

PUSH — HING BO—OUN

2019 Ecsite Conference Programme

#Ecsite2019

The European science
engagement conference

Experimentarium
Copenhagen, Denmark
6-8 June

DARIES

*“The future will be more spectacular
than any of us can imagine.”*

-Fred Kavli

A proud sponsor of the
2019 Ecsite Conference

The Kavli Foundation Keynote Lecture:
“The Blob: a Genius Without a Brain”
Dr. Audrey Dussutour

Saturday, June 8, 2019
10:30-11:30

The Kavli Foundation is dedicated to advancing science for the benefit of humanity, promoting public understanding of scientific research, and supporting scientists and their work.

kavlifoundation.org

   @kavlifoundation

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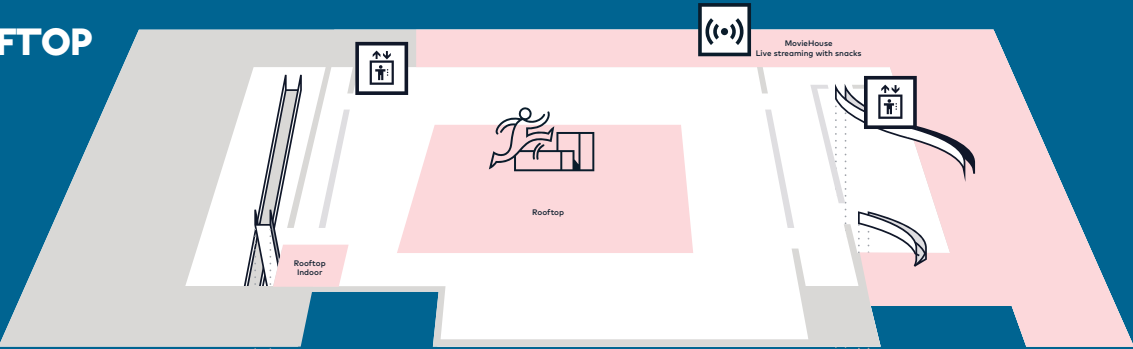
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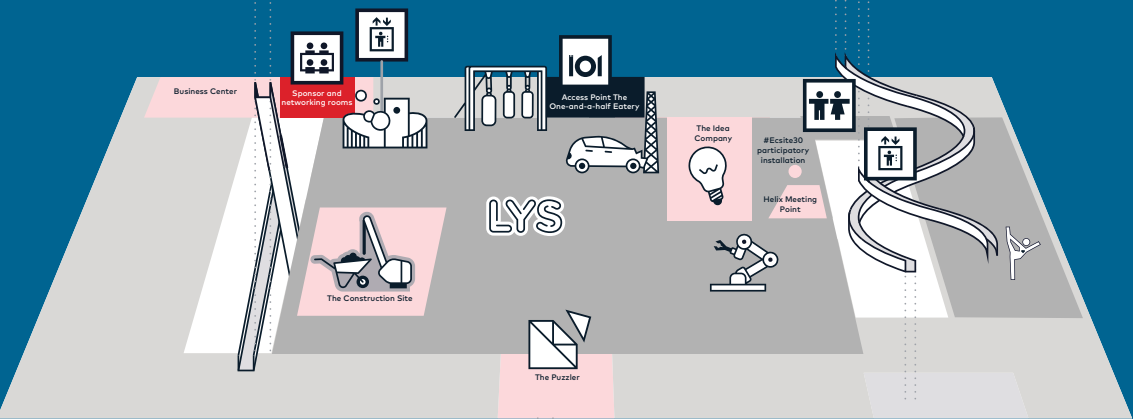
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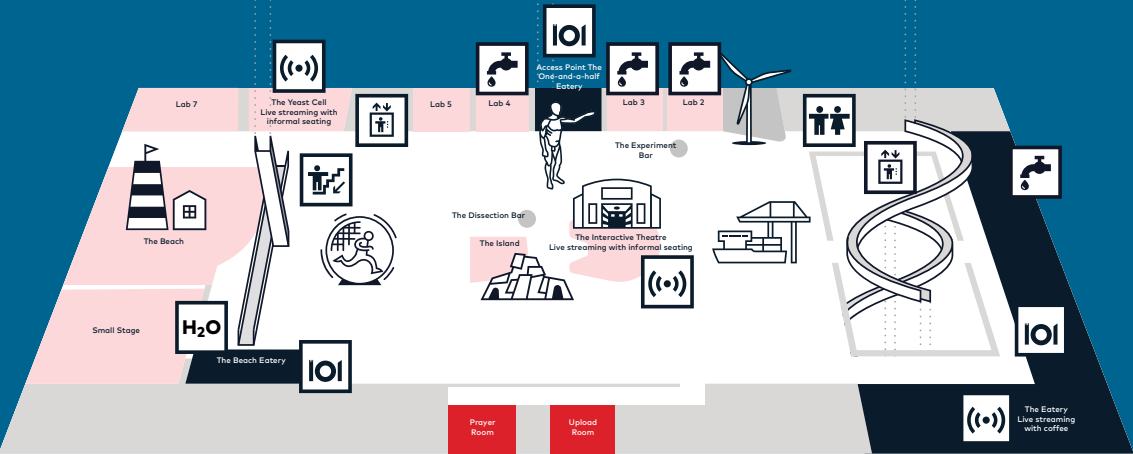
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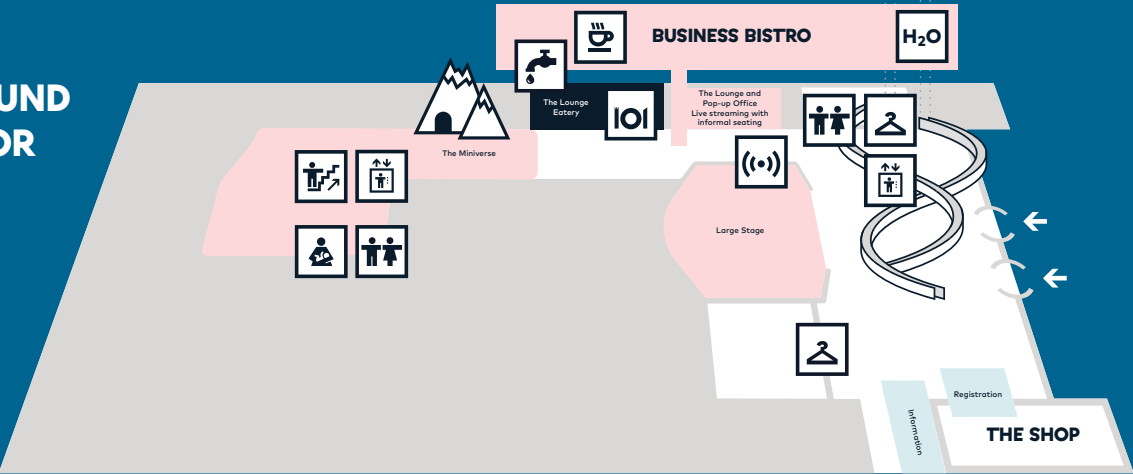
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1.



GROUND FLOOR



REGISTRATION DESK
OPENING HOURS

Tuesday 4 June 08.00 - 17.30
Wednesday 5 June 08.30 - 17.30
Thursday 6 June 08.00 - 18.00
Friday 7 June 08.30 - 17.30
Saturday 8 June 08.30 - 17.00

Lunch areas:
All of the Conference's four lunch areas are called 'eateries'

Coffee:
All hot beverages are served at the Business Bistro. Enjoy cosy lounges and meet friendly exhibitors.

EXPERIMENTARIUM
SCIENCE CENTRE

Tuborg Havnevej 7
2900 Hellerup (Copenhagen)

All conference and pre-conference sessions will be taking place here, as well as the Nocturne on Friday night (7 June).

WIFI
User: Eccsite
Password: PushingBoundaries

HOTLINE
For urgent questions & emergencies during the conference: + 50 77 89 18

Welcome to the 30th edition of the Ecsite Conference

On behalf of Ecsite, it is with great pleasure that we welcome you to the 2019 Ecsite Conference.

From 19-20 June 1990, the very first Ecsite Conference brought together a little fewer than 100 participants at Museon in The Hague. 30 years on, we are expecting more than 1,100 science engagement professionals in Copenhagen, for what has become the largest professional meeting of our field on the European continent. Over the past three decades, our community can be proud of having preserved and cultivated the conference's original spirit of openness, generosity, cooperation, professionalism and diversity. Whether this is your 1st or your 30th conference, you will meet enthusiastic peers and kind critical friends, curious to share, think, make business, tinker, play and party together.

It's not only the conference's anniversary: Ecsite as a network is also celebrating 30 years of existence, in a forward-looking season spanning several months under the motto "celebrate-reflect-act". Our local host Experimentarium is giving the community a very generous present in letting the conference take over its entire building: no onvention centre this year, but the inspiring scenery of an almost brand new science centre. In collaboration with Experimentarium we have indeed prepared a special conference edition for you: anniversary surprises will offer newcomers a particularly rich concentrate of Ecsite spirit and take "old timers" away from any possible conference routine. We don't want to reveal too much, except perhaps this: don't miss the big collective "happy birthday" moment at the Nocturne on Friday night!

Make the most of the conference's rich programme: pick and choose from 100+ parallel sessions, visit 60+ exhibitors' booths, network at four social events and more than a dozen lunch & coffee breaks, tinker at the MakerSpace, play at the GameLab and don't miss our two keynote speeches on Friday and Saturday mornings: writer, artist and curator Margaret Wertheim and slime mould researcher Audrey Dussutour.

Let us finish by thanking all the organisations and individuals whose combined work and energy make the conference possible: the hosting team, Conference Programme Committee, generous sponsors, speakers & convenors, Ecsite members, faithful exhibitors... and of course you, dear participant.

Have a great conference!



Herbert Münder
Ecsite President

General Manager,
Universum Bremen

Bremen, Germany



Catherine Franche
Ecsite Executive Director

Brussels, Belgium

Welcome to Denmark and welcome to Experimentarium

We are very proud and pleased to host the 30th edition of the Ecsite Conference. The whole conference is taking place inside our science centre, which for the first time ever is closed to the public - and exclusively open to you, Ecsite Conference participants - our friends from around the world who share our mission of engaging people with science.

The theme for this year's Ecsite conference is 'Pushing Boundaries' and one of the boundaries we will push is the physical space, by taking up the exciting challenge of hosting the conference inside Experimentarium. We invite you to delete your internal hard disc of what an Ecsite Conference normally looks and feels like and engage in sessions held inside the exhibitions, explore new knowledge while walking up and down our double Helix staircase, get inspired by the view from our rooftop, watch a keynote from the 'Eatery' or the 'Lounge'. All plenary sessions will be live-streamed to a dozen different rooms - the soft red armchairs of our brand new Movie-House are just one of the many places from where you can watch the opening or the keynotes. Lunches will be served in four different places throughout Experimentarium (and yes, you're allowed to have lunch inside the exhibitions if you'd like). Coffee breaks will as usual be available in the Business Bistro.

We will also be pushing boundaries at the social events. Speakers and convenors will be receiving a warm (and musical) welcome at the Øregård Gymnasium on Wednesday night for the Speakers' Reception where entertainment will be provided by local musicians. On Thursday night, the Gala Dinner & Show will be taking place at the Circus Building, one of Copenhagen's cultural icons - enjoy 'hygge', Danish cuisine and live entertainment on the stage and at your table as has been tradition there for more than 130 years.



Kim Gladstone Herlev
Executive Director
Experimentarium

Hellerup, Denmark



The Nocturne on Friday will of course be held at Experimentarium and the theme for the evening will be maritime, inspired by our location by the sea. Engage in science shows, sing a sailor's song, grab something to drink at the Beach Bar by the 'The Beach' exhibition - and if you have the guts for it, watch a dissection of the digestive system. Conclude your week with the Farewell Party on Saturday at Culture Docken, where you can enjoy the sunset as well as live music, dancing and a great bar with evening snacks. And now... make the most of having the whole building as your playground!

The Ecsite Conference will be held inside Experimentarium, the former home of the Tuborg Brewery. Since 1991, Experimentarium has let knowledge and curiosity come alive with a hands-on approach and explored the world through science and technology together with millions of curious children and adults. Experimentarium re-opened its doors to the public in January 2017 with a spectacular extension and 18 brand new exhibitions, all exploring new boundaries for science communication.

Everything is designed to be hands-on at Experimentarium, so that play and learning are always interconnected. Creating engaging experiences that are immersive and relate science to everyday life is one of the trademarks of our science centre. Our aim is to transform the way in which our guests experience and appreciate the significance of natural science and technology to our lives. Ecsite Conference participants are invited to experience Experimentarium and all the highlights of the area.

The local organising committee at Experimentarium is a large team made up of a wonderful mix of people possessing the wide palette of skills essential to the task of hosting the Ecsite Conference. The team covers a huge range of people reaching from operations to graphic design to fundraising to communication to content to explainers to logistics to...

The above photo shows the small management team. The complete team engulfs practically everyone employed at Experimentarium - all of whom will have a role during the Conference.



PUSHING BOUNDARIES

The theme

Pushing boundaries

Boundaries are an essential part of identity: they separate what we are from what we aren't, what we do from what we won't do. As the world around us and we ourselves change, boundaries need to be constantly negotiated and redefined. Exploring, challenging and shaping boundaries is crucial if we want to grow and develop as a sector, organisation or individual.

However, we must also challenge our own understandings of science and expand the boundaries of how we communicate science. It is by pushing our own boundaries for science communication that we ourselves become inspired to walk down new and creative paths.

When are the boundaries of physical buildings useful and when do we need to invent new media and settings for science engagement?

Can we push the limits of our traditional demographics and engage truly diverse audiences?

Can we become interdisciplinary agents and help teams break silos?

Are new forms of creativity blurring the frontiers between formal and informal learning, digital and physical engagement?

Is our field's commitment to help deliver the Sustainable Development

Goals a new frontier for societal impact and international collaboration?

Can we invite citizens, scientists, businesses and decision makers on a joint exploration, at the crossroads of fundamental science and mission-driven research, authoritative science and lay knowledge?

The Ecsite Conference celebrates its 30th edition and we invite the science engagement community to build on three decades of science communication and look ahead, pushing the boundaries of our field and practices.



All about touring exhibitions

The new global platform for international touring exhibitions



Host. Share. Explore. Connect. Tour.

Making the Conference more sustainable

We value corporate responsibility highly at Experimentarium, both in our daily operations and as host of the Ecsite Conference. We cannot single-handedly save the world, but we can make changes in our daily lives in order to move in the right direction. At Experimentarium we have a range of responsible initiatives, a few of which are described below.

We cooperate with the Danish Red Cross to help underprivileged families: for instance, we offer family days at Experimentarium.

We use sustainable paper bags in our shop. The paper comes from Swedish trees. When a tree is cut down a new one is planted and our logo on the bag is printed using soy ink. Of course, we hand out as few bags as possible.

In cooperation with our cleaning supplier ISS Facility Services, we are currently testing a new cleaning system that limits the use of traditional cleaning products and reduces packaging.

As host of the Ecsite Conference, we are concentrating on limiting the event's environmental footprint. We have chosen to focus on the following initiatives:

Limit the paper used for the programme: we will donate € 3 to the Danish Red Cross for each participant who chooses not to receive a printed programme. Limit food waste: our regular restaurant supplier will provide lunches and coffee

breaks at the Conference. They are determined to fight waste and are selective when it comes to single-use utensils. Together with the University of Copenhagen they managed to reduce their food waste by 70% in 2017. Together we are doing our best to avoid using disposable cutlery and plates and will instead be washing up after meals.

Limit the use of plastic and limit CO₂ on transportation: for those attendees who have not brought their own refillable water bottle, we shall provide Danish tap water packaged in eco-friendly recyclable (and reusable!) cartons, transported the shortest possible distance.

Encourage the use of public transportation during the Conference: we are offering Ecsite Conference participants a discounted Travel Pass with unlimited transportation by train, bus and metro throughout the entire metropolitan area, including transportation to and from the airport, at a discounted price of DKK 36 (€ 5) per day.

Sort waste: we sort waste into 12 different categories at Experimentarium and of course this will apply during the Conference as well.

PROGRAMME

A note on plenary sessions

As there is no single room large enough to welcome us all inside one room at Experimentarium, plenary sessions will be live-streamed to several different locations in the Experimentarium.

The Large Stage on the ground floor is the auditorium where the live "action" will be taking place. As places are limited, tickets will be given out each morning at the Information Desk in the entrance hall on a first come, first served basis.

You can watch the live streaming from:

The Lounge (ground floor)

A relaxed space with cosy seating, just next to the Business Bistro (and coffee!).

The Eatery (1st floor)

Experimentarium's restaurant, with a large screen and access to coffee.

The Interactive Theatre (1st floor)

A quiet enclosed space with the option of lying down.

The Yeast Cell (1st floor)

A quirky exhibition setting with the option of lying down.

MovieHouse Screens 1-5 (3rd floor)

Brand new and marvellously comfortable cinema rooms. Don't panic, staff will be around to guide you to the nearest available seat.

This arrangement is in place for:

Opening Ceremony,

Thursday 6 June, 9.45 - 11.00

Margaret Wertheim keynote,

Friday 7 June, 10.30 - 11.30

Audrey Dussutour keynote,

Saturday 8 June, 10.30 - 11.30

How to navigate the programme

Up to twelve sessions are taking place in parallel at any one time. You'll find a programme at a glance on the last pages. To help you navigate the programme, each session is labelled with...

One or two keywords

Business & fundraising

Collections

Equity & inclusion

Exhibit development

Explainers & visitor services

Learning

Marketing & communication

Research, theory & evaluation

Science ♥ society

Strategy & vision

Main session formats

Drop-in space or session

The most informal format possible, as participants are free to come and go at any time during the session slot. Usually involves self-directed activities like games.

Keynote

All attendees get together to hear a prominent speaker present their views for 45 minutes, followed by 15 minutes of questions. Only two keynotes, at 10.30 on Friday and Saturday.

Panel

The convenor introduces the speakers who then present their views to the audience. There is time for discussion with participants at the end of the session.

PechaKucha

20 slides are shown for 20 seconds each. This format keeps presentations concise and fast-paced.

Reverse

The aim is to give attendees a chance to actively participate in discussions with speakers. The speakers and one moderator guide the session following a short introduction to the topic.

Workshop

Structured for in-depth exploration of one topic. The session is practical, interactive and actively involves all participants. A workshop can be a science demonstration, a game, a show, a short training course...

Pre-conference workshop

Whole-day sessions, only on Tuesday and Wednesday. Allows participants to dig deeper into specific topics. The only conference sessions to require advance registration.

Tour

A guided tour of a local place of interest, specially selected by our host for Ecsite Conference attendees. Be careful, for logistical reasons the times of tours don't always precisely coincide with parallel session slots.

Special labels *(for some sessions only)*

Back to basics

Newcomers and beginners should start here.

Keynote

Everyone else will be here to listen to this inspiring speaker. Can't miss it.

A room hashtag

If you're active on Twitter, use #Ecsite2019

AND the hashtag of the room you're currently in.

This allows fluid conversations – otherwise tweets from all parallel sessions are jumbled up together!

make
your
work
flow



BOOTH #27
AT THE BUSINESS BISTRO

expo

TUESDAY

4 June 2019

#EcsiteSpace #smallstage

SPACE FOR ALL, SPACE FOR EARTH

- DAY 1 - PRE-CONFERENCE WORKSHOP

Science ♥ society

9.00 - 17.45

Small stage

Bringing Space “down to Earth” is a priority for the Space sector. Space is a vantage point for monitoring our ever-changing planet – from floods and forest fires to changes in ice cover and rising sea levels. Europe plays a leading role in this field; its Earth Explorer missions address pressing scientific and societal challenges and push the boundaries of our understanding of how Earth works. Moreover, in the use of space technologies and Earth Observation data for new purposes and applications for the Earth, citizen engagement is increasingly a sought-after component via consultations, debates, contributions to citizen science, data validation or hackathons. What role can science centres and museums play in these developments and how can we take advantage of the opportunities opened up to engage audiences with Space and topical issues such as innovation, smart cities and sustainable development challenges? How can our community make sure that all citizens – no matter their gender and learning style – are welcome to Space? Join this two-day pre-conference workshop to explore potential answers with the Ecsite Space Group community.

This workshop is organised by the European Space Agency – ESA – and the Ecsite Space Group, the Ecsite thematic group that aims to improve and extend communication about space science by helping science engagement organisations, space profes-

sionals and non-specialists to develop collaborative projects and events.

Convenors **Ana Noronha**, Executive Director of Ciência Viva, Pavilion of Knowledge (Pavilhão do Conhecimento) – Centro Ciência Viva, Lisbon, Portugal. **Marc Moutin**, Exhibitions, Shows and Development Director, Cité de l'espace, Toulouse, France. **Maria Menendez**, Head of Corporate Exhibitions and Events, European Space Agency - ESA, Paris, France.

Speakers **Marianne Achiam**, Associate Professor, Department of Science Education, University of Copenhagen, Copenhagen, Denmark, @marianneachiam. **Manuel Cira**, Head of International Relations, NAUSICAA National Sea Experience Centre, Boulogne-sur-Mer, France. **Mette Broksø Thygesen**, Chief Executive Officer, Planetarium, Copenhagen, Denmark. **Mads Kring**, Head of Education, Planetarium, Copenhagen, Denmark. **Line Nicolaisen**, Ph.D. fellow, Department of Science Education, University of Copenhagen, Copenhagen, Denmark. **Timothy F. Slater**, Professor of Secondary Education and Endowed Chair of Science Education, University of Wyoming, United States. **Rosita Suenson**, Communication Officer, European Space Agency, ESA, Paris, France.

#lab2

EXPANDING HORIZONS: AN INTRODUCTION TO EU FUNDING - PRE-CONFERENCE WORKSHOP

Business & fundraising | Science ♥ society

Back to basics

9.00 - 17.45

Lab 2 + 3

You would like to get your share of European funding - but you don't know where to start? Many public engagement institutions are involved in EU-funded projects - however, for newcomers this world might seem overwhelming. Framework programmes, societal challenges, cross-cutting issues, calls for proposals, work packages... what does all this EU jargon mean?

How to enter the world of European-funded actors? How to build a strong partnership? And how to make sure your proposal is amongst the best? The Ecsite team is offering a one-day pre-conference workshop aimed at science engagement professionals who know little about EU funding but also those who have some experience but want to get better at

writing proposals and increasing their chances of getting funded.

This workshop will focus on the European Commission's Research and Innovation Framework Programme (currently “Horizon 2020”).

Convenor **Maria Zolotonosa**, Senior Project Manager, Sparks Project Coordinator, Ecsite, Brussels, Belgium.

Speakers **Carmen Fenollosa**, Senior Project Manager, Ecsite, Brussels, Belgium, @missfenollosa. **Didier Laval**, Public Engagement Associate, University of Bristol, Bristol, United Kingdom, @DidierLaval.

#lab4

EXPERIENCE DESIGN IN PRACTICE

- PRE-CONFERENCE WORKSHOP

Exhibit development | Collections

9.00 - 17.45

Lab 4 + 5

Interactivity has always been part of the science centre's DNA and is now common in museums and other science engagement settings. However, it doesn't necessarily take into consideration visitors' emotional journeys. The concept of experience design has recently gained prominence in the museum field. It privileges emotions and focuses on the quality, enjoyment, relevance and transformative power of the visitor experience. In this full-day workshop we will cover the principles of experience design. Participants will use well-defined methodologies (e.g. creating user personas, defining motivation matrices and users' journey maps, etc...) to create experiences for a (fictional) exhibition at the Experimentarium science centre, where the conference is taking place. Experts will cover topics related to experience design like the

importance of co-creation and visitor evaluation, the pros and cons of fun, and how to create intergenerational experiences and space as a way of influencing the mood of visitors.

Convenor **Rui Quinta, Designer**, Toyno, Lisbon.

Speakers **Mariana Cardoso**, Experience and Concept Designer, Toyno, Lisbon, Portugal. **Ines Montalvao**, Exhibition Developer / Content Designer, Heureka - The Finnish Science Centre, Vantaa, Finland. **Haydn Antoniwi**, Exhibitions and Interpretation Manager, The Natural History Museum, London, United Kingdom. **Poul Kattler**, Exhibition Developer, Experimentarium, Copenhagen, Denmark.

#GameLab

MUSEOGAMIX: CREATIVE MARATHON

- DAY 1 - PRE-CONFERENCE WORKSHOP

Equity & Inclusion

9.00 - 17.45

The Puzzler - GameLab

Let's investigate and reinterpret the Experimentarium science centre, venue of this Ecsite Conference, through the lens of a fun and inspiring two-day workshop. Inspired by the Museomix creative marathon process, this workshop brings together game makers and organisations interested in unleashing the power of games and play into their public spaces. The games will be designed, built and tested with the aim of learning how to transform visitors' experiences. Whether you want to learn how to make an escape game, design a game for inclusion and diversity, or work on any idea of your own, you will team up with people with complementary skills to design a game from needs and constraints, to idea, to prototype, to real life testing.

The workshop is run as a collaboration between the teams behind two recurring spaces at the Ecsite Conference: the GameLab, an informal space run by

an international team of game developers; and the MakerSpace, curated by a group of tinkerers and educators from all over the world.

Convenors **Kate Kneale**, Director, HKD, Margate, United Kingdom, @knealek.

Speakers **Daniela De Angeli**, Research Associate, University of Bath, Bath, United Kingdom. **John Sear**, Real-world Game Designer, Museum Games, Birmingham, United Kingdom, @mrjohnsear. **Ran Peleg**, Curriculum Developer and Project Manager, EdQuest UK, London, United Kingdom. **Malvina Artheau**, Development & European Partnerships - RRI - LivingLab, Artheau Accompagnement, Toulouse, France, @MalvinaArtheau. **Rannei Solbak Simonsen**, Educator, Norwegian Museum of Science and Technology, Oslo, Norway. **Claudia Sodini**, Teacher, k-production, Viareggio, Italy, @claudiasodini.

#room1

BEYOND FACT CHECKING: ADDRESSING

MISINFORMATION - DAY 1 - PRE-CONFERENCE WORKSHOP

Science ♥ society | Research, theory & evaluation

9.00 - 17.45

Business Center Room 1

This two-day pre-conference workshop explores the role of science communication professionals in an age of misinformation and a time when values outweigh facts. It will be bringing together research and practice: researchers with a deep understanding of misinformation, cultural cognition, and other relevant research fields will workshop practical ways forward together with science communication professionals. This current state challenges the democratic exercise of citizenship and can impact global science and technology challenges. Climate change, public health issues like vaccination, or technologies like GMOs are the targets of misinformation and disinformation that can challenge expertise. Unquestionably, science communication practitioners have a role to play; but what is that role and how much can we expect to influence the system?

Convenors **Antonio Gomes da Costa**, Director of Scientific Mediation and Education, Universcience, Paris, France. **Brooke Smith**, Director of Public Engagement with Science, The Kavli Foundation, Los Angeles, United States, @brookesimler. **Brian Southwell**, Senior Director, Science in the Public Sphere, RTI International, North Carolina, United States (also speaker)

Speakers **Sara Yeo**, Assistant Professor, University of Utah, Salt Lake City, United States, @sarakyeo. **John Besley**, Ellis N. Brandt Professor, Michigan State University, East Lansing, United States, @JohnBesley. **John Cook**, Research Assistant Professor, Center for Climate Change Communication, Fairfax, United States, @johnfocook. **Jaron Harambam**, Postdoctoral Researcher, Institute for Information Law, University of Amsterdam, Amsterdam, The Netherlands, @HarambamJaron. **Laura Smillie**, Policy Analyst, European Commission, Brussels, Belgium. **Jacques Petitpré**, Scientific Mediator, Universcience, Paris, France.

Supported by THE  KAVLI FOUNDATION

#room6

MEASURING LEARNING:

AN INTRODUCTION - DAY 1 - PRE-CONFERENCE WORKSHOP

Research, theory & evaluation

Back to basics

9.00 - 17.45

Business Center Room 6

What kind of learning is really taking place in museums and science centres? How do we measure it? This two-day pre-conference workshop will equip participants with tools enabling them to identify the learning taking place at their venue. The workshop will provide guidance to enhance the quality of activities offered by these public engagement organisations, and thereby strengthen visitors' learning processes. Part of the pre-conference will comprise a court case involving a prosecutor, defender and witnesses – and with the audience as grand jury. We will conduct practical exercises in both exhibition and maker/tinkering spaces, and use these experiences as case studies to discuss questions such as: Are they learning something or are they just having fun?

This workshop is organised by the REV Group, the Ecsite thematic group that stimulates and helps facilitate research and evaluation in science centres and museums across Europe.

Convenor **Nils Petter Hauan**, Head of Development, VilVite, Bergen Vitensenter AS, Bergen, Norway.

Speakers **Ilona Howiecka-Tańska**, Head of the Research Department, Copernicus Science Centre, Warsaw, Poland. **Roy Schedler**, Head of Marketing and Partnerships, Swiss Science Center Technorama, Winterthur, Switzerland. **Theano Moussouri**, Senior Lecturer, University College London, London, United Kingdom. **Elizabeth McGregor Jacobides**, PhD, Cambridge University, London, United Kingdom, @wonderworldsci. **Peter Wardrip**, Assistant Professor of STEAM Education, University of Wisconsin, Madison, Wisconsin, United States.

WEDNESDAY

5 June 2019

#EcsiteSpace

SPACE FOR ALL, SPACE FOR EARTH

- DAY 2 - PRE-CONFERENCE WORKSHOP

Science ♥ society

9.00 - 17.45

Tycho Brahe Planetarium

Be careful, this second day of workshop is not taking place at Experimentarium but at the Tycho Brahe Planetarium.

Bringing Space “down to Earth” is a priority for the Space sector. Space is a vantage point for monitoring our ever-changing planet – from floods and forest fires to changes in ice cover and rising sea levels. Europe plays a leading role in this field; its Earth Explorer missions address pressing scientific and societal challenges and push the boundaries of our understanding of how Earth works. Moreover, in the use of space technologies and Earth Observation data for new purposes and applications for the Earth, citizen engagement is increasingly a sought-after component via consultations, debates, contributions to citizen science, data validation or hackathons. What role can science centres and museums play in these developments and how can we take advantage of the opportunities opened up to engage audiences with Space and topical issues such as innovation, smart cities and sustainable development challenges? How can our community make sure that all citizens – no matter their gender and learning style – are welcome to Space? Join this two-day pre-conference workshop to explore potential answers with the Ecsite Space Group community.

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#smallstage

ENGAGING AUDIENCES WITH BIG GLOBAL ISSUES - PRE-CONFERENCE WORKSHOP

Strategy & vision | Science ♥ society

9.00 - 17.45

Small Stage

How do we ignite action among our visitors and make them reflect on causes and effects? The world is facing major challenges in terms of local and global environmental problems. These are problems that worry many people and can seem unmanageable. Natural history museums and science centres can tap into their professionalism and knowledge to help the population put into perspective the effects and consequences of global problems such as loss of biodiversity, lack of clean water, food waste, climate change, etc. But do we have the right tools to attract the public to our sites and the right tools to enable them to consider and reflect on the cause and impact of the choices they make in their lives? As science-based institutions, we should feel obliged to address important issues at different levels to protect the natural world of the future. This pre-conference workshop will explore new

thoughts on how to attract and participate in new alliances across institutions, reach a wider audience and take action.

This workshop is organised by the Ecsite Nature Group, a thematic group that brings together professionals and institutions who engage audiences with nature.

Convenors **Henrik Sell**, Deputy Director, Natural History Museum, Aarhus, Aarhus, Denmark (also speaker). **Carole Paleco**, Responsible for European projects, Royal Belgian Institute of Natural Sciences, Brussels, Belgium. **Thomas B Berg**, Senior Scientist, Collection and Exhibition Manager, Naturama, Svendborg, Denmark.

Speakers **Brian Degn Mårtensson**, Ph.D. student at Institute of Culture and Society, University of Aarhus, Aarhus, Denmark. **Juliette M. Fritsch**, PhD, Head of Exhibitions and Visitor Experience, Natural History Museum of Denmark, Copenhagen, Denmark. **Stefan Leiner**, Head of the Biodiversity Unit, DG Environment, European Commission, Brussels, Belgium.

#lab2

SOCIAL INCLUSION, EQUITY AND DIVERSITY: ORGANISATIONAL CHANGE

- PRE-CONFERENCE WORKSHOP

Equity & Inclusion | Strategy & vision

9.00 - 17.45

Lab 2 + 3

How do we break out of our own echo chamber(s) and roll out the diversity, equity and inclusion agenda throughout all areas of our organisations for embedded, transformative change? Tying in with the “pushing boundaries” conference theme, this one-day pre-conference workshop will offer an engaging mix of speaker presentations, small group discussions, workshops and creative activities. Reaching beyond our perceived boundaries, the workshop will bring the ‘outside voice in’ and take our ‘internal voice out’ to create a widening wave of impact throughout the Ecsite Conference and community.

Convenors **Vanessa Mignan**, Head of Education and Public Engagement, TRACES / Espace des Sciences Pierre-Gilles de Gennes, Paris, France, @vanessmall. **Shaaron Leverment**, Deputy CEO, The Association for Science and Discovery Centres, Bristol, United Kingdom, @SLeverment. **Barbara Streicher**, Executive Manager, Science Center Netzwerk, Vienna, Austria. **Elizabeth Rasekoala**, President, African Gong - the Pan-African Network for the Popularisation of Science & Technology, and Science Communication, South Africa. **Antonia Caola**, Head of Communication, International Collaborations, Marketing & PR, MUSE - Museo delle Scienze, Trento, Italy. **Nicole Bullock**, Head of Audience, We The Curious, Bristol, United Kingdom, @wethecurious_.

Speakers **Sharon Heal**, Director, Museums Association, London, United Kingdom. **Marie-Agnès Bernardis**, Senior Project Officer, Universcience, Paris, France.

#lab4

CREATIVE COMPUTATION: TINKERING IN THE DIGITAL AGE - PRE-CONFERENCE WORKSHOP

Learning | Exhibit development

9.00 - 17.45

Lab 4 + 5

Digital technology has long been a part of science centres' and museums' exhibits, programmes and activities. The recent surge of interest in Maker-Spaces and introduction of new tools have led to opportunities for creating playful, open-ended and interactive experiences. In this hands-on workshop, we'll try activities that combine crafting with physical materials with a scaffolded introduction to tools like block-based programming platforms (Scratch) and microcontrollers that connect coding with the physical world (Micro:bit). Together, we'll consider how cutting-edge topics like artificial intelligence, augmented reality and digital fabrication can be approached with a tinkering mindset. The workshop is suited for beginners and no prior programming experience is necessary. We'll build on our own investigations and together we'll identify ways to support learners as they make mistakes, experiment with

half-baked ideas, and experience joy, frustration and pride.

Convenor Sebastian Martin, Tinkering Studio Project Specialist, Exploratorium, San Francisco, United States, @smartinseb.

Speakers Liam Nilsen, Learning Experience Advisor, the LEGO Foundation, Billund, Denmark, @nilsenmuseum. **Sebastian Uribe**, Senior Technology Consultant, IMAGINARY, Berlin, Germany. **Martin Swift**, Project Manager, UniSci / Visindasmidjan, Reykjavík, Iceland, @mjbswift. **Kathrin Unterleitner**, Chief Program Officer, IMAGINARY, Berlin, Germany. **Ryan Jenkins**, Co-Founder, Education, Wonderful Idea Co., San Francisco, United States, @ryanejenkins. **Stefania Druga**, Founder Hackidemia, Research Scientist, MIT Media Lab, Cambridge, United States.

#GameLab

MUSEOGAMIX: CREATIVE MARATHON - DAY 2 - PRE-CONFERENCE WORKSHOP

Equity & Inclusion

9.00 - 17.45

The Puzzler - GameLab

Let's investigate and reinterpret the Experimentarium science centre, venue of this Ecsite Conference, through the lens of a fun and inspiring two-day workshop. Inspired by the Museomix creative marathon process, this workshop brings together game makers and organisations interested in unleashing the power of games and play into their public spaces. The games will be designed, built and tested with the aim of learning how to transform visitors' experiences. Whether you want to learn how to make an escape game, design a game for inclusion and diversity, or work on any idea of your own, you will team up with people with complementary skills to design a game from needs and constraints, to idea, to prototype, to real life testing.

The workshop is run as a collaboration between the

teams behind two recurring spaces at the Ecsite Conference: the GameLab, an informal space run by an international team of game developers; and the MakerSpace, curated by a group of tinkerers and educators from all over the world.

Convenor Kate Kneale, Director, HKD, Margate, United Kingdom, @knealek.

Speakers Daniela De Angeli, Research Associate, University of Bath, Bath, United Kingdom. **John Sear**, Real-world Game Designer, Museum Games, Birmingham, United Kingdom, @mrjohnsear. **Ran Peleg**, Curriculum Developer and Project Manager, EdQuest UK, London, United Kingdom. **Malvina Artheau**, Development & European Partnerships - RRI - LivingLab, Artheau Accompagnement, Toulouse, France, @MalvinaArtheau. **Rannei Solbak Simonsen**, Educator, Norwegian Museum of Science and Technology, Oslo, Norway. **Claudia Sodini**, Teacher, k-production, Viareggio, Italy, @claudiasodini.

#room1

BEYOND FACT CHECKING: ADDRESSING MISINFORMATION - DAY 2 - PRE-CONFERENCE WORKSHOP

Science ♥ society

9.00 - 17.45

Business Center Room 1

This two-day pre-conference workshop explores the role of science communication professionals in an age of misinformation and a time when values outweigh facts. It will be bringing together research and practice: researchers with a deep understanding of misinformation, cultural cognition, and other relevant research fields will workshop practical ways forward together with science communication professionals. This current state challenges the democratic exercise of citizenship and can impact global science and technology challenges. Climate change, public health issues like vaccination, or technologies like GMOs are the targets of misinformation and disinformation that can challenge expertise. Unquestionably, science communication practitioners have a role to play: but what is that role and how much can we expect to influence the system?

Convenors Antonio Gomes da Costa, Director of Scientific Mediation and Education, Universcience, Paris, France. **Brooke Smith**, Director of Public Engagement with Science, The Kavli Foundation, Los Angeles, United States, @brookesimlir. **Brian Southwell**, Senior Director, Science in the Public Sphere, RTI International, North Carolina, United States (also speaker).

Speakers Sara Yeo, Assistant Professor, University of Utah, Salt Lake City, United States, @sarakeyo. **John Besley**, Ellis N. Brandt Professor, Michigan State University, East Lansing, United States, @JohnBesley. **John Cook**, Research Assistant Professor, Center for Climate Change Communication, Fairfax, United States, @johnfocook. **Jaron Harambam**, Postdoctoral Researcher, Institute for Information Law, University of Amsterdam, Amsterdam, The Netherlands, @HarambamJaron. **Laura Smillie**, Policy Analyst, European Commission, Brussels, Belgium. **Jacques Petitpré**, Scientific Mediator, Universcience, Paris, France.

Supported by THE  KAVLI FOUNDATION

#room6

MEASURING LEARNING: AN INTRODUCTION - DAY 2 - PRE-CONFERENCE WORKSHOP

Research, theory & evaluation Back to basics

9.00 - 17.45

Business Center Room 6

What kind of learning is really taking place in museums and science centres? How do we measure it? This two-day pre-conference workshop will equip participants with tools enabling them to identify the learning taking place at their venue. The workshop will provide guidance to enhance the quality of activities offered by these public engagement organisations, and thereby strengthen visitors' learning processes. Part of the pre-conference will comprise a court case involving a prosecutor, defender and witnesses – and with the audience as grand jury. We will conduct practical exercises in both exhibition and maker/tinkering spaces, and use these experiences as case studies to discuss questions such as: Are they learning something or are they just having fun?

This workshop is organised by the REV Group, the Ecsite thematic group that stimulates and helps facilitate research and evaluation in science centres and museums across Europe.

Convenor Nils Petter Hauan, Head of Development, VilVite, Bergen Vitensenter AS, Bergen, Norway.

Speakers Ilona Iłowiecka-Tańska, Head of the Research Department, Copernicus Science Centre, Warsaw, Poland. **Roy Schedler**, Head of Marketing and Partnerships, Swiss Science Center Technorama, Winterthur, Switzerland. **Theano Moussouri**, Senior Lecturer, University College London, London, United Kingdom. **Elizabeth McGregor Jacobides**, PhD, Cambridge University, London, United Kingdom, @wonderworldsci. **Peter Wardrip**, Assistant Professor of STEAM Education, University of Wisconsin, Madison, Wisconsin, United States.



SPEAKERS' RECEPTION

Øregård Gymnasium

Wednesday 18.30 – 20.00

Open to all pre- and main conference speakers and convenors, upon advance online registration. Receive a warm municipal welcome in the serene space of the Øregård Gymnasium. Enjoy a drink and snack and mingle with other speakers.

The beautiful neoclassical building called Øregård Gymnasium was built in 1924 and is today a high school for almost 720 students. It was designed by the architects G.B. Hagen and Edvard Thomsen and is a protected building. The front hall and main staircase where the Speakers' Reception will be held is magnificent with marble floors, marble glazed plaster and the statue 'Jason with the golden fleece' by Bertel Thorvaldsen.

Øregård Gymnasium is located only a 10 minutes' walk away from Hellerup Station.

Recommended dress code: smart casual. As for all events, don't forget to have your Conference badge with you.

You need to register online for the Reception, as part of your Conference registration: check the back of your badge to see if this event is included in your package.

Getting there

Øregård Gymnasium
Gersonsvej 32
2900 Hellerup



For those attending pre-conference workshops at Experimentarium:

There will be free buses in front of Experimentarium to take you directly to the Reception. Buses leave at 18:10. |

Are you making your own way to the Speakers' Reception?

If you are making your own way to the Speakers' Reception from the city centre take the S-train heading north towards Hillerød. Get off at Hellerup Station.

If you're coming directly from the airport, you'll first need to take the metro to Nørreport Station (they run every 5 minutes and the journey takes about 12 minutes).

The Gymnasium is only a 10 minutes' walk from the station and there will be staff from Experimentarium waiting to help you find your way.

THURSDAY

6 June 2019

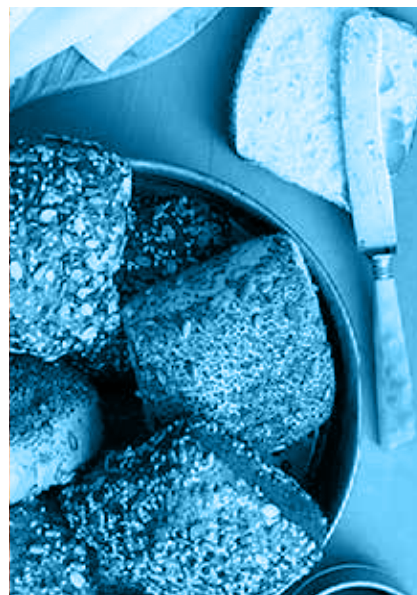
NEWCOMERS BREAKFAST - SOCIAL EVENT

The Eatery

8.00 - 9.30

Mingle with other first-time delegates and meet a few Conference old-timers who will be sharing their tips and tricks to make the most of the Ecsite Conference. Join this informal breakfast for a refreshing start to intense hectic Conference days and an opportunity to start building your network. As for all events, don't forget to have your Conference badge with you.

Pre-booking only We are afraid you can only attend if you included this event in your package when you registered online.



OPENING CEREMONY

9.45 - 11.00

Live from the Large Stage, streamed to several locations in the building

Welcome to the conference's official start. Expect speeches by officials, host and Ecsite representatives. And... the winners of the 2019 Mariano Gago Ecsite Awards will be revealed!

Speakers **Kim Gladstone Herlev**, Executive Director, Experimentarium, Copenhagen, Denmark, @experimentarium. **Herbert Munder**, President of Ecsite and General Manager, Universum, Bremen, Germany. **Catherine Franche**, Executive Director, Ecsite, Brussels, Belgium, @CaFranche. **Sharon Ament**, Director, Museum of London, London, United Kingdom, @SharonAment.

#largestage

BEYOND FACT CHECKING: ADDRESSING MISINFORMATION - PANEL

Science ♥ society | Research, theory & evaluation

12.00 - 13.45
Large Stage

This session will report on the outcomes of a two-day pre-conference workshop exploring the role of science communication professionals in an age of misinformation and a time when values outweigh facts. After an overview of essential data from research on misinformation, mistrust in science, risk assessment and other related topics, proposals for action in science communication will be discussed.

Convenor **Antonio Gomes da Costa**, Director of Scientific Mediation and Education, Universcience, Paris, France.

Speakers **Sara Yeo**, Assistant Professor, University of Utah, Salt Lake City, United States, @sarakeyo. **Brooke Smith**, Director of Public Engagement with Science, The Kavli Foundation, Los Angeles, United States, @brookesimler. **John Cook**, Research Assistant Professor, Center for Climate Change Communication, Fairfax, United States

Supported by THE  KAVLI FOUNDATION

#smallstage

FUTUREPROOFING YOUR EXHIBITIONS ABOUT THE FUTURE - WORLD CAFÉ

Exhibit development | Science ♥ society

12.00 - 13.45
Small Stage

How can exhibitions of potential futures avoid the pitfalls of prediction? This session will start with six 5-minute case study presentations in which exhibit developers will describe their own futureproofing processes. Methods include: focussing on the skills to survive future opportunities; identifying common tropes that cause predictions to fail; giving visitors a hand in building future visions; creating starting points for visitor conversations about future technology, human-nature relationship and social utopias; capturing a record of visitors' visions. These presentations will be followed by a world café session, where small groups of participants will be coming up with challenges for future exhibitions and prototyping exhibits or exhibition concepts. Each group will summarise their ideas before a final discussion. Issues to be discussed include: why do we need a deep future vision, how to build one, how to communicate it in exhibitions, and how often should it be updated?

Convenors **Harry White**, Science Centre Consultant, HWConsult, Cardiff, United Kingdom (also speaker). **Sarah de Launey**, Exhibition Developer, International Centre for Life, Newcastle Upon Tyne, United Kingdom, @sarahdelaney (also speaker).

Speakers **Deepak Mehta**, Educational Expert, Technopolis, the Flemish Science Centre, Mechelen, Belgium, @deeeep. **Anna Skrzypek**, Exhibit Developer, Copernicus Science Centre, Warsaw, Poland. **Maja Wasyluk**, Exhibition Project Manager, Toulouse Natural History Museum, Toulouse, France. **Gabriele Zipf**, Head of Exhibitions at Futurium, Futurium, Berlin, Germany, @futuriumd.

#movie1

WHAT'S NEW IN TOURING EXHIBITIONS

- 1 - TRAVELLING EXHIBITIONS

Exhibit development

12.00 - 13.45
MovieHouse Screen 1

A preview of current and upcoming touring science exhibitions across Europe and the world. This fast-paced session will give you a glimpse of a large range of exhibitions on offer, leaving it up to you to make contacts and find out more.

Convenor Audrey O'Connell, Museum Consulting, Audrey O'Connell + Associates, Seattle, United States, @AudreyinSeattle.

Speakers Michał Buława, Head of Science Centre Department, Instytut Kultury "EC1 Łódź - Miasto Kultury", Łódź, Poland. **Tim Pethick**, CEO, Nomad Exhibitions, Edinburgh, United Kingdom, @nomadexhibit. **Manuel Roca**, Production Department Manager, Parque de las Ciencias, Granada, Spain, @ParqueCiencias. **Heidi Rosenström**,

Exhibition Producer, Heureka - The Finnish Science Centre, Vantaa, Finland. **Kathrin Unterleitner**, Chief Program Officer, IMAGINARY, Berlin, Germany. **Térésa Ribeyron**, Travelling Exhibitions Project Manager, National Natural History Museum, Paris, France. **Hélène Wang**, Export Marketing Manager, Universcience, France. **Agnes Ruiz**, Director of Sales, Europe + Middle East, Imagine exhibitions, Montpellier, France, @agnessonR. **Lone Isaksen**, Director of Exhibitions, Experimentarium, Copenhagen, Denmark. **Rachel Sturgis**, Touring Exhibitions Manager, Wellcome Collection, London, United Kingdom, @RachelSturgis. **Dimitris Kontopoulos**, Curator / Project Manager, ArtScience Museum, Singapore, Singapore. **Maarten Okkersen**, Head of Communications, Museon, The Hague, The Netherlands. **Felicity Sylvester**, Exhibition Partnerships Manager, Touring Exhibitions, The Natural History Museum, London, United Kingdom, @NHM_Global. **Cere Davis**, Intermedia Artist, CereDavis.com, Berkeley, United States, @Cereмона. **Ashley Larose**, Senior Manager International Sales, Science North, Sudbury, Canada.

#movie2

EXHIBITING COMPLEX, UNFINISHED SCIENCE

- PANEL

Exhibit development | Collections

12.00 - 13.45
MovieHouse Screen 2

Exhibitions are a slow medium and imply authority, so how can we present knowledge that is still evolving? Science centres and museums have tended to exhibit settled science; histories of great men and great discoveries, or textbook facts brought to life. It is more difficult – and more controversial – to show unsettled science. How can we strike a balance between revealing exciting processes and keeping a critical stance? Showing science-in-the-making also challenges curators to cross boundaries and open up the laboratory, with its strange and disposable objects and ethically complex subjects. We will share three experiences of addressing these challenges through collaborative and interdisciplinary projects in the complex fields of gut and brain science. In this context we will discuss how to build connections between the personal and the scientific,

how to make the invisible visible, how to engage with visitors' bodies in the exhibition space, how to connect the personal and the scientific and how to display historic and contemporary medical objects.

Convenor Malthe Kouassi Bjerregaard, Curator, Medical Museion & Novo Nordisk Foundation Center for Basic Metabolic Research, University of Copenhagen, Copenhagen, Denmark, @musgoggles.

Speakers Floriane Perot, Exhibit Designer, Universcience, Paris, France. **Marius Kwint**, Reader in Visual Culture, University of Portsmouth: School of Art, Design and Performance, Portsmouth, United Kingdom. **Louise Whiteley**, Associate Professor & Curator, Medical Museion & Novo Nordisk Foundation Center for Basic Metabolic Research, University of Copenhagen, Copenhagen, Denmark.

#movie3

MAKING SCIENTIFIC HERITAGE COLLECTIONS RELEVANT FOR TODAY

- PECHAKUCHA

Collections | Science ♥ society

12.00 - 13.45
MovieHouse Screen 3

In this session, presenters from many different science museums all over Europe share how they use storytelling to create more context for their heritage collections, and make them come alive. What museological strategies do they use to make their heritage collections meaningful for a wider audience and relevant in a contemporary context? Presentations will be delivered in the quickfire PechaKucha format: each speaker will talk for a little more than 6 minutes, showing 20 slides for 20 seconds each.

Convenor Amito Haarhuis, Director, Rijksmuseum Boerhaave, Leiden, The Netherlands, @AmitoH.

Speakers Maria João Fonseca, Interim Executive Coordinator, Natural History and Science Museum of the University of Porto (MHNC-UP), Porto, Portugal. **Annelore Scholten**, Head of Public Engagement, Education & Exhibition, Rijksmuseum Boerhaave, Leiden, The Netherlands. **Raphael Chanay**, Head of Museological Projects, Universcience, Paris, France. **Ken Arnold**, Head of Public Programmes, Wellcome Collection, London. **Torkil Adersen**, Senior Curator, Danmarks Tekniske Museum, Elsinore, Denmark. **Kate Forde**, Head of Exhibitions, Wellcome Collection, London, United Kingdom. **Claire Hampton**, Curator of Television and Broadcast, Science Museum Group, Bradford, United Kingdom.

#movie4

A BUSINESS WITHIN A BUSINESS: MUSEUM-BASED RESEARCH CENTRES

- PANEL

Strategy & vision | Research, theory & evaluation

12.00 - 13.45
MovieHouse Screen 4

Many museums throughout the world have developed learning research centres not only to advance the mission of the institution but also to support their business model. These centres serve multiple purposes: they uniquely impact the programming and practice at their site and within the larger STEM education community while advancing learning theory and driving revenue. Panellists from three museum-based learning research centres will discuss how each institution defines a "research centre" and outline how these entities fulfil these goals. Each model will also highlight the complex relationship between the staff of the research centre and the programmatic staff of the museum. Who are the researchers? Who is doing the evaluation? What role do staff from both entities

play in consulting with organisations outside the institution?

These "research arms" involve many pros and cons, core functions and revenue implications to the museums in which they reside. This panel will showcase the affordances and struggles of this complex relationship and provide opportunities for audience members to ask questions and contribute new ideas.

Convenors Ilona Hłowiecka-Tańska, Head of the Research Department, Copernicus Science Centre, Warsaw, Poland. **Roy Schedler**, Head of Marketing and Partnerships, Swiss Science Center Technorama, Winterthur, Switzerland.

Speakers Lisa Brahms, Director of Learning & Research, Children's Museum of Pittsburgh, Pittsburgh, United States. **Wenche Fivelsdal**, Manager of Exhibition and Featured Experiences, VilVite, Bergen Vitensenter AS, Bergen, Norway. **Aleksandra Wójcik-Głodowska**, Head of Conference and Events Department, Copernicus Science Centre, Warsaw, Poland.

#lab4

CLIMATE TALKS: BACK TO COPENHAGEN

- REVERSE

Strategy & vision | Science ♥ society

12.00 - 13.45

Lab 4 + 5

In 2009 we were in Copenhagen for COP15, representing science centres and museums in the fight against climate change. Ten years later, we find ourselves back in the same city. And this time, it's for crisis talks. The IPCC's latest report was crystal clear: cut carbon emissions as much as possible and as fast as possible to mitigate the effects of climate change. What concrete action can we, as science engagement organisations, take now to rise to this challenge?

What better place than Experimentarium's Beach exhibition to discuss rising sea levels? The session will start with a brief summary of the "State of the Climate". We will then launch a fishbowl discussion, using the exhibition's boat replica as a setting. We have a few crew members planned, but this is a fishbowl and so all participants will be welcome to take any available seat, allowing the conversation to flow.

Convenors **Manuel Cira**, Head of International Relations, NAUSICAA National Sea Experience Centre, Boulogne-sur-Mer, France. **Francisco Franco del Amo**, Technical Manager-Aquarium Finisterrae, Museos Científicos Coruñeses, A Coruña, Spain, @mc2coruna/.

Speakers **Anne-Marie Bruyas**, Responsible for International Relationships, Fondazione IDIS - Città della Scienza, Naples, Italy. **Walter Staveloz**, Director of International Relations, Association of Science-Technology Centers, Washington D.C., United States. **Peter de Haan**, Director, Museon, The Hague, The Netherlands. **Carole Paleco**, Responsible for European projects, Royal Belgian Institute of Natural Sciences, Brussels, Belgium. **Rosalía Vargas**, President, Pavilion of Knowledge (Pavilhão do Conhecimento) – Centro Ciência Viva, Lisbon, Portugal. **Henrik Helsgaun**, Concept and Exhibition Developer, Experimentarium, Copenhagen, Denmark.

#lab7

LEARNING ECOSYSTEMS: FROM DREAM TO REALITY

- WORKSHOP

Learning | Science ♥ society

12.00 - 13.45

Lab 7

How to connect formal and informal education at a regional or local level? Schools, after-school care institutions, science centres, museums, zoos, libraries, nature organisations, farms, companies... A well-functioning learning ecosystem creates an environment full of connected STEM learning paths and provides children with equal opportunities to take 'their next step'. What are the opportunities, requirements and pitfalls when creating a learning ecosystem?

In this session we actively alternate inspirational presentations with fun and deepening activities. We will first briefly explain the bigger picture (what is a

learning ecosystem?). After a short mind mapping exercise, we will then focus on latest findings and ideas. Through amusing role playing you will experience how various elements or organisations can either impede or help the creation of a learning ecosystem. We will also help each other: what is your next step?

Convenor **Marianne Benning**, Learning Ecosystems Researcher on project 'Learning where curiosity is sparked', VSC Association of science centers and science museums, Amsterdam, The Netherlands.

Speakers **Meie van Laar**, Head of Education & Research, Science Learning Center, NEMO Science Museum, Amsterdam, The Netherlands, @meiegeerlings. **Bronwyn Bevan**, Senior Research Scientist, University of Washington, Seattle, Washington, United States, @bronwynbevan. **Kevin Crowley**, Professor, University of Pittsburgh, Pittsburgh, United States. **Karen Knutson**, Associate Director, University of Pittsburgh Center for Learning in Out of School Environments (UPCLOSE), Pittsburgh, United States.

#theater

AND NOW, BREATHE... CREATING EQUITABLE FORMATS AND SAFE SPACES - REFLECTION SESSION

Equity & Inclusion | Learning

12.00 - 13.45

The Interactive Theater

Science engagement is often so full-on. Whether it's the physical spaces or the active formats we use, our world is packed with vibrancy, information and interactivity. But have we gone too far? Have we left behind balanced experiences? Do we need to reflect more on the behavioural spans of our audiences? This session will explore the impact of peaceful settings by letting people experience them firsthand. Within a carefully chosen, quiet venue, our speakers will share practical examples from labs, creative workshops and science exhibitions, and invite participants to reflect on the boundaries of their visitors' and their own comfort zones. There will be no information-heavy slides, no forced role play and no pressure to pipe up

with a show-stopping opinion. In fact, there will be no expectation to do anything at all, other than let ideas sink in, leaving space for you to formulate your own thoughts and share them if you wish.

Convenors **Kenneth Skeldon**, Head of Public Engagement, Wellcome Genome Campus - Connecting Science, Cambridge, United Kingdom, @kenskeldon.

Speakers **Niek D'Hondt**, Coordinator, Ekoli, Ghent, Belgium. **Lizzy Bakker**, Content Strategy and Development, NorthernLight Design, Amsterdam, The Netherlands. **Saskia Noordhuis**, Founder and Director, Noordje, Amsterdam, The Netherlands, @noordjes.

#EcsiteMakers

INTRODUCTION TO TINKERING: LED FASHION

- WORKSHOP

Science ♥ society & Back to basics

12.00 - 13.45

The Idea Company - MakerSpace

In this hands-on workshop for beginners, we'll take a deep dive into the world of LED fashion. We will make and construct using electronics and simple everyday materials as we hack our conference badges and create personalised wearables to show off at the Gala and Nocturne events! Combining art and science, the workshop will provide many entry points for all learners to familiarise themselves with the process of tinkering. We will use this experience to uncover some of the essential qualities of a tinkering approach to learning. If you've never been to the Ecsite Conference MakerSpace (or to any MakerSpace!) this is a great place to start.

Convenor **Ryan Jenkins**, Co-Founder, Education, Wonderful Idea Co., San Francisco, United States, @ryanejenkins.

Speaker **Rannei Solbak Simonsen**, Educator, Norwegian Museum of Science and Technology, Oslo, Norway.

#GameLab

HAVING FUN WITH THE PERIODIC TABLE OF THE ELEMENTS - WORKSHOP

Science ♥ society | Learning

12.00 - 13.45

The Puzzler - GameLab

150 years after Dmitri Mendeleev's stunning achievement, 2019 was declared International Year of the Periodic Table by UNESCO. This workshop will explore the mysteries of elements and the stories behind the famous iconic and terrifying poster. Let's rejuvenate and undust the periodic table of the elements (PTE). The PTE is a powerful pedagogical tool that can be explored in many directions: history of science (how many Nobel laureates gave their names to an element?), medicine (what element is essential for MRI scans?), ecology (why do polar bears accumulate heavy metals in their livers?), economy (should we invest in rare Earth elements?), geography (where is uranium mainly extracted?), mythology (what is the derivation of the word thorium?) or even literature (poisonings in Agatha Christie's novels)... In this atomic session, try out two knowledge games and an "atomic Pokemon-Go like" activity.

Convenor **Thierry Brassac**, Head of Science/Culture Dpt, Montpellier University, Montpellier, France, @thierrybrassac.

Speakers **Pieter Loots**, Exhibition Developer, Technopolis, the Flemish Science Centre, Mechelen, Belgium. **Anna Gunnarsson**, Teacher/Developer, NAVET, Kinna, Sweden. **Malvina Artheau**, Development & European Partnerships - RRI - LivingLab, Artheau Accompagnement, Toulouse, France, @MalvinaArtheau.

#largestage

FUTURE THINKING IN SCIENCE CENTRES: METHODS - PANEL

Learning | Exhibit development

14.30 - 15.45

Large Stage

Thinking about the future is fundamentally important for people of all ages. How can we as science engagement organisations provide a platform for this thinking? Three museum practitioners and a professional Futurist share their future thinking methods for engaging the public and lead attendees through active future thinking exercises. To get thinking about the future, participants will play "The Thing from the Future" in which they create a "thing" that meets certain futuristic criteria. We will utilise our collective expertise to consider multiple possibilities for the future. After an introduction on why it is critical that we teach the future in formal and informal education spaces, our three practitioners will share their case studies. This will be followed by a question and answer session.

Following this session, we invite attendees to join us in the GameLab in the next session slot for an opportunity to receive a first-hand experience with our methodologies.

Convenor **Meredith Doby**, Vice President of Exhibits, The DoSeum, San Antonio, United States, @adobyphotoshop (also speaker).

Speakers **Peter Bishop**, Exec Director, Teach the Future, Houston, United States, @teachfutures. **Kristin Alford**, Director, MOD., MOD. at the University of South Australia, Adelaide, Australia, @kristinalford. **Mikko Myllykoski**, Experience Director, Heureka - The Finnish Science Centre, Vantaa, Finland, @mikkomy.

#smallstage

QUICK & SIMPLE EVALUATION TOOLS: GOOD ENOUGH? - PART 1 - WORKSHOP

Research, theory & evaluation | Marketing & communication

14.30 - 15.45

Small Stage

Please note that this session is spread over two slots (part 1: 14.30 - 15.45 & part 2: 16.30 - 17.45).

It can be expensive and time-consuming to evaluate your exhibitions. Can we push boundaries for evaluation? Is it possible to perform a quick scan and still obtain valuable insights? How much knowledge can we gain by evaluating more easily? How simply can it be done without compromising the validity of the data? In this workshop we exchange and try out some 'quick & simple' evaluation methods. Experimentarium has invited two English-speaking school classes to visit an exhibition. And you are going to evaluate it! The live evaluation experience will be taking place in part 1 (14.30 - 15.45), while in part 2 (16.30-17.45) we will reflect on this experiment and its take-home tools and messages. In this workshop you'll: - be instructed to try out one quick & simple evaluation method in one of Experi-

mentarium's new exhibitions. Each group will try out a different evaluation method (part 1) - visit one of Experimentarium's exhibitions and observe the school classes (part 1) - participate in a discussion about the strengths & weaknesses of the different methods (part 2) - bring home several quick & simple evaluation methods that you can use right away (part 1 & part 2) - get an overview of methods that you can use 1) while developing your exhibition, 2) when it's open to your visitors or 3) afterwards (part 1 & part 2).

Convenors **Bernadette Schrandt**, Researcher Experience Design in Museums, Amsterdam University of Applied Sciences, Amsterdam, The Netherlands, @bschrandt (also speaker). **Poul Kattler**, Exhibition developer, Experimentarium, Copenhagen, Denmark (also speaker).

Speakers **Iain Coleman**, Research Engagement Manager, Editage, London, United Kingdom. **Jose Augusto Ocampo**, Innovation Coordinator, Parque Explora, Medellín, Colombia. **Catherine Murphy**, Audience Analyst, The Natural History Museum, London, United Kingdom.

#movie1

WHAT'S NEW IN TOURING EXHIBITIONS - 2 - TRAVELLING EXHIBITIONS

Exhibit development

14.30 - 15.45

MovieHouse Screen 1

A preview of current and upcoming touring science exhibitions across Europe and the world. This fast-paced session will give you a glimpse of a large range of exhibitions on offer, leaving it up to you to make contacts and find out more.

Convenors **Audrey O'Connell**, Museum Consulting, Audrey O'Connell + Associates, Seattle, United States, @AudreyinSeattle.

Speakers **Julie Leclair**, Director, Travelling Exhibitions, Ingenium - Canada's Museums of Science and Innovation, Ottawa, Canada, @juliecm. **Yiotis Ioannidis**, Architect, TETRAGON S.A., Thessaloniki, Greece. **Michael Bradke**, Director and Driver, Mobiles Musik Museum, Düsseldorf, Germany. **Cynthia Doumbia**, International Travelling Exhibitions

Director, National Geographic Society, Washington DC, United States. **Agapios Grigoriadis**, Manager, Agt Euroevents Ltd, Nicosia, Cyprus. **Thomas Hofberger**, Exhibition Designer, Manager of Travelling Exhibitions, Deutsches Museum, Munich, Germany. **Jay Brown**, Principal & Managing Director, Flying Fish Exhibits, Mornington, Australia. **Philipp Horst**, Temporary Exhibitions, DASA, Dortmund, Germany. **Corrado Canonici**, Director, World Touring Exhibitions, London, United Kingdom, @WorldTourExhib. **Alanna Davidson**, Touring Exhibitions Manager, National Museums Scotland, Edinburgh, United Kingdom. **Ilse Wachtelaer**, Marketing & PR Manager, CREATE, Ghent, Belgium. **Jennifer Chow**, Director of Sales, Global Business Development, American Museum of Natural History, New York, United States. **Noa Haim**, Creative Director, Collective Paper Aesthetics, Rotterdam, The Netherlands, @NoaHaim. **Asli Samadova**, Freelance Consultant, MI Project Curatorial Initiative, Baku, Azerbaijan. **Heidi Pinchal**, International Museum Consultant, Holovis, United States.

#movie2

ENLIGHTENMENT 2.0: PUSHING THE BOUNDARIES OF SCIENCE, SOCIETY AND POLICY - PANEL

Science ♥ society | Learning

14.30 - 15.45
MovieHouse Screen 2

To “make the world a better place” we need to understand how political decisions are taken, not just by politicians or civil servants but also by voters. So how do they do this? This was the question we asked ourselves as the European Commission’s science and knowledge service, the Joint Research Centre. In 2018 we launched the Enlightenment 2.0 initiative to explore the extent to which facts, values, emotions, beliefs and social relations affect political behaviour and decision-making with the aim of understanding these drivers across the political system. Drawing upon the expertise of scientists from the life sciences, social & behavioural sciences and the arts & humanities, this session will present the first findings from the Enlightenment 2.0 project. We’ll be looking at how cognitive biases, framing debates, storytell-

ing techniques as well as a better understanding of values and emotions can assist the science engagement professionals when addressing controversial or politically “hot” issues with their visitors. Importantly, we will also be discussing how these insights can be combined with state of the art citizen engagement techniques.

Convenor **Laura Smillie**, Policy Analyst, European Commission, Brussels, Belgium (also speaker).

Speakers **Ângela Guimaraes Pereira**, Scientific Officer, European Commission, Brussels, Belgium. **Malgorzata Kossowska**, Professor, Jagiellonian University, Krakow, Poland. **Paula Pérez Sobrino**, Lecturer in Applied Linguistics, Technical University of Madrid, Madrid, Spain.

#movie3

AUTHENTICITY: WORKING WITH VISITOR EXPECTATIONS - REVERSE

Exhibit development | Collections

14.30 - 15.45
MovieHouse Screen 3

Before stepping into a cultural establishment, most visitors have already decided what they should find there and what kind of experience they will have. In museums with protected collections, visitors expect authentic “real” objects and may not perceive reproductions or digital replicas as proper museum objects. With the innovative opportunities offered by technology, how can museums engage visitors in authentic digital experiences? In science centres, the opposite effect can be observed. Visitors expect simulations or representations of scientific phenomena and some have reported not believing that, for example, citizen science-based exhibits are in fact real science. How can science centres overcome this

and convince visitors of the authenticity of their experience? This interactive reverse session will offer an active discussion on pushing the boundaries of visitors’ expectations and conveying authenticity.

Convenor **John Downey**, Senior Educator, Balthazar Science Center, Skövde, Sweden.

Speakers **Sarah de Launey**, Exhibition Developer, International Centre for Life, Newcastle Upon Tyne, United Kingdom, @sarahdelanney. **Daniela De Angeli**, Research Associate, University of Bath, Bath, United Kingdom. **Anne Land**, Assistant Professor, Leiden University, Leiden, The Netherlands, @annemland.

#movie4

FUNDING: WHAT DO OUR PIE CHARTS SAY ABOUT US? - REVERSE

Business & fundraising | Strategy & vision
Back to basics

14.30 - 15.45
MovieHouse Screen 4

The session explores different models for financing our institutions and tackling the biggest challenges we face in the search for a diversified and balanced model. The idea is very simple: each speaker will say a few words about their institution’s financing model, presenting a pie chart of their income sources, and describing how this financing has changed in the past few years. What do they strive for budget-wise? What were the best-sellers? What is still missing? Each five-minute presentation will conclude with a question to attendees: what advice could they give to solve the speaker’s biggest issue? The aim is to present a variety of institutions with different types of financing, making it as simple and as informative as possible.

Convenor **Joanna Kalinowska**, Development Director, Copernicus Science Centre, Warsaw, Poland.

Speakers **Tuomas Olkku**, Business Strategist, Heureka - The Finnish Science Centre, Vantaa, Finland, @tuomas_olkku. **Maria João Fonseca**, Interim Executive Coordinator, Natural History and Science Museum of the University of Porto (MHNC-UP), Porto, Portugal. **Helen Jones**, Director of Global Engagement and Strategy, Science Museum Group, London, United Kingdom.

#lab4

CREATING UNEXPECTED NARRATIVES - WORKSHOP

Exhibit development | Collections

14.30 - 15.45
Lab 4 + 5

Museums are condensed reality. The fact that reality loses its context when displayed in a museum is compensated by the possibility of creating new narratives with pieces of reality that are normally distant or disconnected in the real world.

This workshop is an original narrative generator game. Participants will receive cards with content, clues and challenges and will use them to create unexpected narratives around a common subject. These exercises will show that in order to connect with audiences, science communicators and exhibition designers must recognise themselves as storytellers – not to distort the truth, but to help people connect with collections on a more human level, truly relevant to them. This will include speakers sharing short stories that raise questions about the advantages and disadvantages of using open/closed, singular/plural and chronological/thematic narratives.

Convenor **Rui Quinta**, Designer, Toyno, Lisbon.

Speakers **Anna Schaefer**, Curator of Education, Berlin State Museums–Prussian Cultural Heritage, Berlin, Germany, @aks1501. **Ines Prieto**, International and Institutional Affairs, Cité de l’espace, Toulouse, France, @InesPrietoLafllo. **Clayton Cutajar**, Senior Executive (Programme and Audience Development & Science Communication), Explora Interactive Science Centre, Kalkara, Malta. **Claudia Aguirre**, President, TRACES / Espace des Sciences Pierre-Gilles de Gennes, Paris, France, @claudisaac2003. **Mariana Cardoso**, Experience and Concept Designer, Toyno, Lisbon, Portugal.

#lab7

DESIGNING FOR LEARNING IN A TINKERING ENVIRONMENT - WORKSHOP

Learning | Exhibit development

14.30 - 15.45
Lab 7

This session will address the thorny question of how to juggle the multiple demands placed on tinkering spaces. For instance, how can we create rewarding experiences for visitors but also high-performance, durable and easy-to-operate spaces? How can these spaces serve a range of audiences and purposes: schools, families, summer camps, team building and more? What kinds of physical spaces best support the Learning Dimensions of Making and Tinkering, a framework developed by the Exploratorium team? We will set the stage for these discussions by introducing how you can use these Learning Dimensions for professional reflection on the design of environments, activities, and facilitation. We will then present examples from different places, looking for inspiration and lessons learned. Participants will then work in groups to share and discuss how offerings were designed and to reflect upon how these spaces

support – or hinder – practices associated with the Learning Dimensions. Participants new to tinkering are also welcome - this is a place to learn and share.

Convenors **Ida Marie Bøe**, Content developer and educator, VilVite, Bergen Science Centre, Bergen, Norway. **Jennifer DeWitt**, Researcher, UCL Institute of Education, London, United Kingdom.

Speakers **Karen Wilkinson**, Director, The Tinkering Studio, Exploratorium, San Francisco, United States, @TinkeringStudio. **Anna Sandven**, Coordinator of Education, VilVite, Bergen Science Centre, Bergen, Norway. **Meie van Laar**, Head of Education & Research, Science Learning Center, NEMO Science Museum, Amsterdam, The Netherlands, @meiegeerlings. **Cybèle Robichaud**, Director, Programming, Montreal Science Centre, Montreal, Canada.

#EcsiteMakers

CONVERSATION CORNER: THE FANTASTIC FUTURE - WORKSHOP

Science ♥ society

14.30 - 15.45
The Idea Company - MakerSpace

In this conversation corner session, we'll focus on some of the most common challenges encountered when facilitating tinkering activities. These issues can include how to work with parents in a drop-in session, ways of training staff and volunteers as well as ways of reflecting on our practice as educators. This year at the Ecsite Conference's MakerSpace we are opening a series of informal dialogues on topics that are important to the maker community. When we think back and remember times when we received unexpected tips on how to operate our space, found a great collaborator or discovered new practices we remember that an informal conversation between sessions led to these new ideas. Whether you are a MakerSpace pro or a complete newcomer, join these

active discussion sessions and get new perspectives on making and tinkering in museums.

Convenor **Daniel Rosqvist**, Science Center Manager, National Museum of Technology, Stockholm, Sweden.

Speakers **Olle Bjerkås**, Maker Educator, National Museum of Technology, Stockholm, Sweden. **Samar D. Kirresh**, Senior Researcher- Science Studio, A. M. Qattan Foundation, Ramallah, Palestinian Territory. **Inka de Pijper**, Project Manager Education, NEMO Science Museum, Amsterdam, The Netherlands. **Yihsvan Lin**, Exhibit-interdisciplinary & Curate/ Director, National Taiwan Science Education Center, Taipei, Taiwan.

#GameLab

DROP IN AND PLAY WITH ATOMS - OPEN PLAY

Science ♥ society | Learning

14.30 - 15.45
The Puzzler - GameLab

Following the "Having fun with the periodic table of the elements" session, take the time to play a new board game connecting sustainability issues with the periodic table, try to fill up the periodic table by scanning virtual everyday objects or go atom hunting with a Pokemon Go-like app. If you have designed or know a game related to atoms and the periodic table, feel free to bring it along to share. Come by anytime to have fun playing and stay as long as you wish.

Convenor **Thierry Brassac**, Head of Science/Culture Dpt, Montpellier University, Montpellier, France, @thierrybrassac

Speakers **Anna Gunnarsson**, Teacher/Developer, NAVET, Kinna, Sweden. **Malvina Artheau**, Development & European Partnerships - RRI - LivingLab, Artheau Accompagnement, Toulouse, France, @MalvinaArtheau. **Pieter Loots**, Exhibition Developer, Technopolis, the Flemish Science Centre, Mechelen, Belgium.

#miniverse

ENHANCING SCIENCE LEARNING AND AWARENESS THROUGH PLAY - WORKSHOP

Exhibit development | Learning

14.30 - 15.45
The Miniverse

How can we design activities for our visitors to play with in ways that encourage science awareness? Thinking about our visitors, what they might be interested in and how that interest can be fed is crucial to the development of such activities that are not restricted to young children, as older siblings and adults are key drivers for younger visitors to engage in play and keep on engaging past the point where they might want to give up. In this session three science centres will share the challenges, limitations and opportunities they have encountered in developing science activities based on play. Come and experience the "Miniverse" exhibition developed by Experimentarium for young children between the ages of 1 and 5 and "their grown-ups" and engage in activities hosted by the Tinkering Studio at Exploratorium (USA) and Eureka (UK).

Convenor **Sheena Laursen**, Programme Manager - International Relations and Learning, Experimentarium, Copenhagen, Denmark, @experimentarium.

Speakers **Ryan Jenkins**, Co-Founder, Education, Wonderful Idea Co., San Francisco, United States, @ryanejenkins. **Sofie Schelde**, Exhibition Designer and Developer, Experimentarium, Copenhagen, Denmark. **Leigh-Anne Stradeski**, Chief Executive, Eureka! The National Children's Museum, Halifax, United Kingdom, @lastradeski.

#tour

LOCAL INNOVATIVE SCHOOL - GUIDED TOUR

Entrance of Experimentarium

14.15 - 16.15

Lab 7

The local Hellerup School just around the corner from Experimentarium stands out: no fence separating the school from the street, no office to greet visitors. Instead, small shoes litter the floor and children of all ages sprawl on couches doing homework, play football or run about the open space that substitutes for classrooms. This philosophy – that students ought to determine how they best learn – informed how the municipality of Hellerup built this flagship school a decade ago. Its open design and the absence of traditional classrooms allow students from all grades to

intermingle during class. Hellerup School illustrates Denmark's efforts to make classrooms more like the real world, especially when it comes to technology and equipping students with 21st century skills, such as synthesising large amounts of information accessible online and working on problems with groups.

Duration: 1.5 hours. Advance booking is required, at the Conference's Information Desk (on the ground floor of Experimentarium). Starting point: meet with a member of staff in front of Experimentarium at 14.15 and be escorted to Hellerup School.

#tour

ZOOLOGICAL MUSEUM: GUIDED TOUR - 1 - - GUIDED TOUR

Zoological Museum

15.00 - 16.30

Zoological Museum

Experience the atmospheric Zoological Museum on a guided tour. The tour will take you to a range of the Museum's highlights, including Denmark's only real giant dinosaur, "Misty", and the famous Whale Cellar, which is usually closed to the public.

Duration: 1.5 hours. This guided tour can accommodate up to 25 guests. Advance booking is required at the Conference's Information Desk (on the ground floor of Experimentarium). Note that the museum closes at 16:00, so if you wish to see the exhibition by yourself, it should be before the tour starts. Registration at Experimentarium's Information Desk. Meeting place: Universitetsparken 15, Copenhagen. Meet in the shop of the Zoological Museum. The tour guide will meet and greet you 10 minutes prior to the tour.

#largestage

CAN YOU FEEL IT? A SCIENCE REVIVAL MEETING - PARODY RELIGIOUS SERVICE

Learning | Science ♥ society

16.30 - 17.45

Large Stage

"Free your mind and the rest will follow" is the theme of this year's Science Assembly. Inspired by religious revival meetings, we will offer you songs, laughter, inspiration, and meaning. As a theme we will focus on STEM learning ecosystems. Expect a full-blown choir, more drama, and a soul-searching workshop. Standard elements of any holy assembly such as singing, reading, teaching and thinking in silence, will be interleaved with a reflective activity. Our convenor Sharon Ament has a role comparable to a pastor. She will start the session with an opening statement, and she will introduce the speakers and the songs the choir and congregation sing.

Convenor Sharon Ament, Director, Museum of London, London, United Kingdom, @SharonAment.

Speakers Marjolein van Breemen, Deputy Director, NEMO Science Museum, Amsterdam, The Netherlands, @M_van_Breemen. **Kevin Crowley**, Professor, University of Pittsburgh, Pittsburgh, United States. **Bronwyn Bevan**, Senior Research Scientist, University of Washington, Seattle, Washington, United States, @bronwynbevan. **Alex Verkade**, Director, VSC Association of science centers and science museums, Amsterdam, The Netherlands, @alexverkade. **Cristin Dorgelo**, President and Chief Executive Officer, Association of Science-Technology Centers, Washington, DC, United States, @cristindorgelo.

#smallstage

ART-SCIENCE COLLABORATIONS: WHAT BENEFITS? - COLLECTIVE BRAINSTORM

Learning | Marketing & communication

16.30 - 17.45

Small Stage

Many of us host or develop art exhibitions, workshops, artist residencies and the like. What are the pros and cons of these alliances? Who benefits from them? Should we go further and open up more to such collaborations and if so, how can we do it? This session invites participants to sit at different tables and get involved in conversations that aim to assess art-science collaborations from the perspective of exhibition designers, educators and curators. Participants will discuss a set of questions triggered by speakers' brief presentations of existing art-science collaborations. Conversations will be guided to touch on different topics, from the similarities and differences of artistic and scientific research, to the formats and impact of such collaborations. Results will be shared and serve as future reference for imagining synergies with Creative Europe programmes.

Convenor Jurij Krpan, Art Director at Kapelica Gallery, Kersnikova Institute, Ljubljana, Slovenia, @kapelicagallery.

Speakers Camilla Rossi-Linnemann, Education and International Relations, National Museum of Science and Technology 'Leonardo da Vinci', Milan, Italy. **Samuela Caliarì**, Head of Audience Development, MUSE - Museo delle Scienze, Trento, Italy. **Louise Whiteley**, Associate Professor & Curator, Medical Museion & Novo Nordisk Foundation Center for Basic Metabolic Research, University of Copenhagen, Copenhagen, Denmark. **Ines Montalvao**, Exhibition Developer / Content Designer, Heureka - The Finnish Science Centre, Vantaa, Finland. **Samar D. Kirresh**, Senior Researcher - Science Studio, A. M. Qattan Foundation, Ramallah, Palestinian Territory. **Michael Bradke**, Director and Driver, Mobiles Musik Museum, Düsseldorf, Germany. **Marina Leonard**, Program Manager, Quai des savoirs, Toulouse, France, @NinadesJardins. **Sheldon Paquin**, International Project Curator, Science Museum Group, London, United Kingdom. **Dimitris Kontopoulos**, Curator / Project Manager, ArtScience Museum, Singapore, Singapore. **Cian Walsh**, Exhibitions Producer, Science Gallery, Trinity College, Dublin, Ireland.

#movie1

SOCIAL LEARNING IN EXHIBITIONS - PANEL

Learning | Exhibit development

Back to basics

16.30 - 17.45

MovieHouse Screen 1

Social learning – what people learn from each other and about each other – is a fascinating and little-known area of free-choice learning in science engagement. It is a visitor-driven process and does not necessarily follow our institutional agendas. Social learning leaves little, if any trace in the venue: visitors take their social experience home. According to research, moments of social learning are among the most memorable learning experiences. This session discusses exhibitions that have been designed with social experiences in mind. What are the key elements of the planning process when you wish to engage the audience socially? What does evaluation say about the visitor response to these exhibitions?

Convenor Mikko Myllykoski, Experience Director, Heureka - The Finnish Science Centre, Vantaa, Finland, @mikkomy.

Speakers Nils Petter Hauan, Head of Development, VilVite, Bergen Vitensenter AS, Bergen, Norway. **Sami Pihkala**, Exhibition Producer, Heureka - The Finnish Science Centre, Vantaa, Finland, @ideasail. **Sheena Laursen**, Programme Manager - International Relations and Learning, Experimentarium, Copenhagen, Denmark, @experimentarium.

#movie2

SCIENCE COMMUNICATION STRATEGIES IN THE POST-FACT ERA - PANEL

Strategy & vision | Science ♥ society

16.30 - 17.45

MovieHouse Screen 2

When it comes to busting myths and tackling tricky issues, science communicators are armed to the teeth with the necessary tools to inform and educate. Or are they? If science is so great, why do so many pseudoscientists succeed in selling their message? Why are people still listening to anti-vaxxers, climate-change deniers and conspiracy theorists? With our interactive exhibits, pop-up performances, science journalism and more, are we simply preaching to the converted or do we have the capacity to win hearts and minds? In this session, a science journalist, a scenographer, and a researcher will explore three ways of bending the boundaries of science communication: the pros and cons of simplifying science through exhibition designs; the perks of “selling” science in the current media landscape; and whether personal interactions

with science professionals are more important than myth busting itself. Following a group discussion, participants will be invited to reflect on the relevance of these strategies in relation to their own work and to discuss guiding principles for codes of conduct.

Convenor Laura Smillie, Policy Analyst, European Commission, Brussels, Belgium.

Speakers Jochen Hunger, Scenographer, jh Museum & exhibition design, Erlangen, Germany. **Holly Hasted**, PhD Fellow, UiT - The Arctic University of Norway & Tromsø University Museum, Tromsø, Norway, @hollyhasted. **Hedinn Gunhildrud**, Project Manager & Pedagogue, Nordnorsk Vitensenter, Tromsø, Norway, @hedinnng.

#movie3

ENGAGING CITIZENS IN MONITORING URBAN AIR POLLUTION - REVERSE

Science ♥ society | Equity & Inclusion

16.30 - 17.45

MovieHouse Screen 3

Air pollution causes hundreds of thousands of premature deaths every year in Europe and is understandably high on the list of environmental issues that concern the public. Low-cost devices measuring air pollutants are rapidly evolving and have significant potential to provide information on human exposure. Even though the application of such devices still poses uncertainties, a growing number of citizen science initiatives measure air quality to raise awareness and enhance motivation and possibilities to make changes in local environments. Can science centres and museums tap into this existing trend as a means to engage the public in an important issue that affects us all? In this session, hear about the CurieuzNeuzen initiative where over 20,000 private persons, schools and business set up samplers across Flanders in Belgium;

and about a network citizen science project on air quality inspired by this initiative and coordinated by the European Environment Agency in more than ten countries. Attend this session to meet representatives of these two projects and work on possible convergences

Convenor Ove Caspersen, Project Manager, European Environment Agency.

Speakers Anke Lükewille, Expert - Air Pollution, European Environment Agency (EEA), Copenhagen, Denmark. **Katrien Smet**, Spokesperson & Head of Unit Communication, VMM - Flemish Environment Agency, Aalst, Belgium. **Núria Castell**, Senior Scientist, NILU - Norwegian Institute for Air Research, Kjeller, Norway.

#theater

APPLIED CLIMATE CHANGE COMMUNICATION: FIRST AID KIT - WORKSHOP

Strategy & vision | Science ♥ society

16.30 - 17.45

MovieHouse Screen 4

Signals sent by our field's leaders are clear: yes, we want to do our share and contribute to tackling global issues such as climate change. Quicker said than done: on the ground, many practitioners struggle and wonder why they have never seen a truly successful climate change exhibition and why it is so hard to engage audiences in conversations about the fate of the world. Let's face it: many of our organisations stubbornly apply old paradigms to new challenges. What was initially an empowering mission can quickly turn into professional helplessness: we feel responsible, but not empowered. Often, we also feel alone.

This session is here to break isolation and start building a new first aid kit for applied climate change communication. A recent Spokes article entitled

“Getting unstuck” offers a wide spectrum of theories and practical case studies on this issue, drawn from social psychology, behavioural change or values-based work. Together with its author, we will use these insights to first understand why a few practical cases went wrong, before sharing possible new tools.

Convenor Raphael Chanay, Head of Museological Projects, Universcience, Paris, France.

Speakers Julie Becker, Communications and Events Manager, Ecsite, Brussels, Belgium, @museoju, **Marie Hobson**, Learning and Audience Research Manager, The Natural History Museum, London, United Kingdom, @mhobson. **Paolo Degiovanni**, Education Officer, MUSE - Museo delle Scienze.

#lab4

QUICK & SIMPLE EVALUATION TOOLS: GOOD ENOUGH? - PART 2 - WORKSHOP

Research, theory & evaluation | Marketing & communication

16.30 - 17.45

Lab 4 + 5

Please note that this session is spread over two slots (part 1, 14.30 - 15.45 & part 2, 16.30 - 17.45).

It can be expensive and time-consuming to evaluate your exhibitions. Can we push boundaries for evaluation? Is it possible to perform a quick scan and still obtain valuable insights? How much knowledge can we gain by evaluating more easily? How simply can it be done without compromising the validity of the data? In this workshop we exchange and try out some 'quick & simple' evaluation methods. Experimentarium has invited two English-speaking school classes to visit an exhibition. And you are going to evaluate it! The live evaluation experience will be taking place in part 1 (14.30 - 15.45), while in part 2 (16.30-17.45) we will reflect on this experiment and its take-home tools and messages.

In this workshop you'll: - be instructed to try out one quick & simple evaluation method in one of Experimentarium's new exhibitions. Each group will try out a different evaluation method (part 1) - visit one of Experimentarium's exhibitions and observe the school classes (part 1) - participate in a discussion about the strengths & weaknesses of the different methods (part 2) - bring home several quick & simple evaluation methods that you can use right away (part 1 & 2) - get an overview of methods that you can use 1) while developing your exhibition, 2) when it's open to your visitors or 3) afterwards (part 1 & 2).

Convenors Bernadette Schrandt, Researcher Experience Design in Museums, Amsterdam University of Applied Sciences, Amsterdam, The Netherlands, @bschrandt (also speaker). **Poul Kattler**, Exhibition developer, Experimentarium, Copenhagen, Denmark (also speaker).

Speakers Iain Coleman, Research Engagement Manager, Editage, London, United Kingdom. **Jose Augusto Ocampo**, Innovation Coordinator, Parque Explora, Medellín, Colombia. **Catherine Murphy**, Audience Analyst, The Natural History Museum, London, United Kingdom.

#lab7

BRINGING SPACE DOWN TO EARTH: CITIZENS AND SPACE APPLICATIONS - PANEL

Science ♥ society

16.30 - 17.45

Lab 7

Bringing Space "down to Earth" – the use of Space technologies and Earth Observation data for new purposes and applications for everyday life on Earth – is the priority of the Space sector. Whether via consultations, debates, or contributions to citizen science, data validation with in situ observations or hackathons, citizen engagement is increasingly sought after. What role can science centres and museums play in these developments and how can we take advantage of the opportunities opened up to engage audiences with Space and topical issues such as innovation, smart cities and sustainable development challenges? This session is organised by the European Space

Agency – ESA – and the Ecsite Space Group, the Ecsite thematic group that aims to improve and extend communication about space science by helping science centres, space professionals and non-specialists to develop collaborative projects and events. The session is open to all - please take part!

Convenor Ana Noronha, Executive Director of Ciência Viva, Pavilion of Knowledge (Pavilhão do Conhecimento) – Centro Ciência Viva, Lisbon, Portugal.

Speakers Manuel Cira, Head of International Relations, NAUSICAA National Sea Experience Centre, Boulogne-sur-Mer, France.

#helix

STUDENT INTERNSHIPS: TIPS AND TRICKS - SPEED DATING

Learning | Research, theory & evaluation

16.30 - 17.45

Helix Staircase (2nd floor)

Experimentarium's iconic helix staircase for an unusual best practice sharing session on the topic of student internships. Moving up and down the stairs, participants from the museum, science centre and academic world will engage in brief speed dating discussions, sharing valuable information on the following subthemes: what makes a good preparation; how we can maximise learning; how to facilitate exchange of information and experiences; motivation and expectations; and co-creation with students. During the speed dates we will gather tips and hints on these subthemes, and report back in a plenary exchange at the end of the session. We are hoping many of you will join us.

Convenor Liesbeth de Bakker, Lecturer in science communication, Utrecht University, Utrecht, The Netherlands.

Speakers Nancy Longnecker, Professor of Science Communication, University of Otago, Dunedin, New Zealand, @NancyLongnecker. **Mairead Hurley**, Education & Learning Manager, Science Gallery, Trinity College, Dublin, Ireland, @mairead_hurley. **Nele Van der Elst**, Experience director, Technopolis, the Flemish Science Centre, Mechelen, Belgium, @Nele_VanderElst. **Thomas B Berg**, Senior Scientist, Collection and Exhibition Manager, Naturama, Svendborg, Denmark. **Derek Fish**, Director, Unizulu Science Centre, Richards Bay, South Africa. **Carina Bammesberger**, Voluntary Science Officer, Neanderthal Museum, Mettmann, Germany, @Neandertal1.

#roofindoor

SCIENCE COMMUNICATION IN SOUTHEASTERN EUROPE: A SPECIAL BLEND? - FISHBOWL + POSTERS

Science ♥ society | Strategy & vision

16.30 - 17.45

Rooftop Indoor

In most of Europe, changes in EU paradigms and novel funding structures have a strong impact on science communication practice. However – in sharp contrast with their EU peers – professionals and organisations in the Southeastern Europe (SEE) region, with its mixture of well-established member states, recent member states and those in different stages of the accession process, don't seem to care too much for the sci-comm status at EU level and its perspective. Are SEE professionals ignorant of their destiny, or are they perhaps equipped with different knowledge, practices and instruments for science communication, its numerous appearances and forms, and a different know-how for leading a dialogue between science and society? Are these territories able to grow and flourish without EU support? In this session, science engagement professionals from Trieste, Ljubljana, Zagreb, Belgrade, Sofia and Thessaloniki will be presenting their initiatives, com-

binning a poster showcase with a fishbowl discussion. A great introduction to next year's Ecsite Conference in Ljubljana, Slovenia.

Convenor Dobrivoje Lale Eric, Head of Department of International Cooperation, Center for the Promotion of Science, Belgrade, Serbia. (also speaker)

Speakers Paola Rodari, Towards ESOF 2020 Trieste "Science in the City" Programme Manager, Trieste International Foundation for Scientific Progress and Freedom, Trieste, Italy. **Andreja Perat**, Project Manager, The House of Experiments, Ljubljana, Slovenia. **Kristina Duvnjak**, Head of education programme, Bioteka - Association for Promotion of Biology and Related Sciences, Zagreb, Croatia. **Krešimir Čanić**, Programme Director, Science Education Centre Zagorje Croatia, Zagreb, Croatia. **Dobrivoje Lale Eric**, Head of Department of International Cooperation, Center for the Promotion of Science, Belgrade, Serbia. **Vessela Gertcheva**, Program Director, Muzeiko Foundation, Sofia, Bulgaria. **Thanassis Kontonikolaou**, General Manager, NOESIS - Thessaloniki Science Center and Technology Museum, Thessaloniki, Greece.

#EcsiteMakers

TINKERING EXPLORATIONS: CREATIVE COMPUTATION - WORKSHOP

Science ♥ society

16.30 - 17.45

The Idea Company - MakerSpace

In this hands-on tinkering session, we will explore computational tinkering, a playful open-ended approach to digital tools. We'll try out activities that combine crafting with physical materials with digital tools like block-based programming platforms and microcontrollers that connect coding with the physical world.

Museum MakerSpaces are an open source community where people create and share environments, activities and new ideas. In this hands-on session, various makers will share activities that can support the learning of content, skills and practices in informal science learning venues. This will be an opportunity to see how things might work in a drop-in makerspace, try out something new and learn from the makers of the Ecsite community.

Convenor **Ryan Jenkins**, Co-Founder, Education, Wonderful Idea Co., San Francisco, United States, @ryanejenkins.

Speakers **Jenny Carlsson**, Education officer, Tekniska museet, The National Museum of Science and Technology, Stockholm, Sweden. **Christof Börner**, Exhibition and Programme, phaeno, Wolfsburg, Germany. **Andreas Matt**, CEO, IMAGINARY, Berlin, Germany, @imaginary_math.

#GameLab

DROP IN AND PLAY WITH THE FUTURE

- OPEN PLAY

Science ♥ society | Learning

16.30 - 17.45

The Puzzler - GameLab

Following the "Future thinking in science centres: methods" session, you are invited to join the speakers in the GameLab. A unique opportunity to attend a sample lesson in future thinking, try out the "Dream Tomorrow Today" exhibition technologies, play with the City Lab augmented reality app, experiment with different ways of supporting future thinking, or directly participate in future thinking programming.

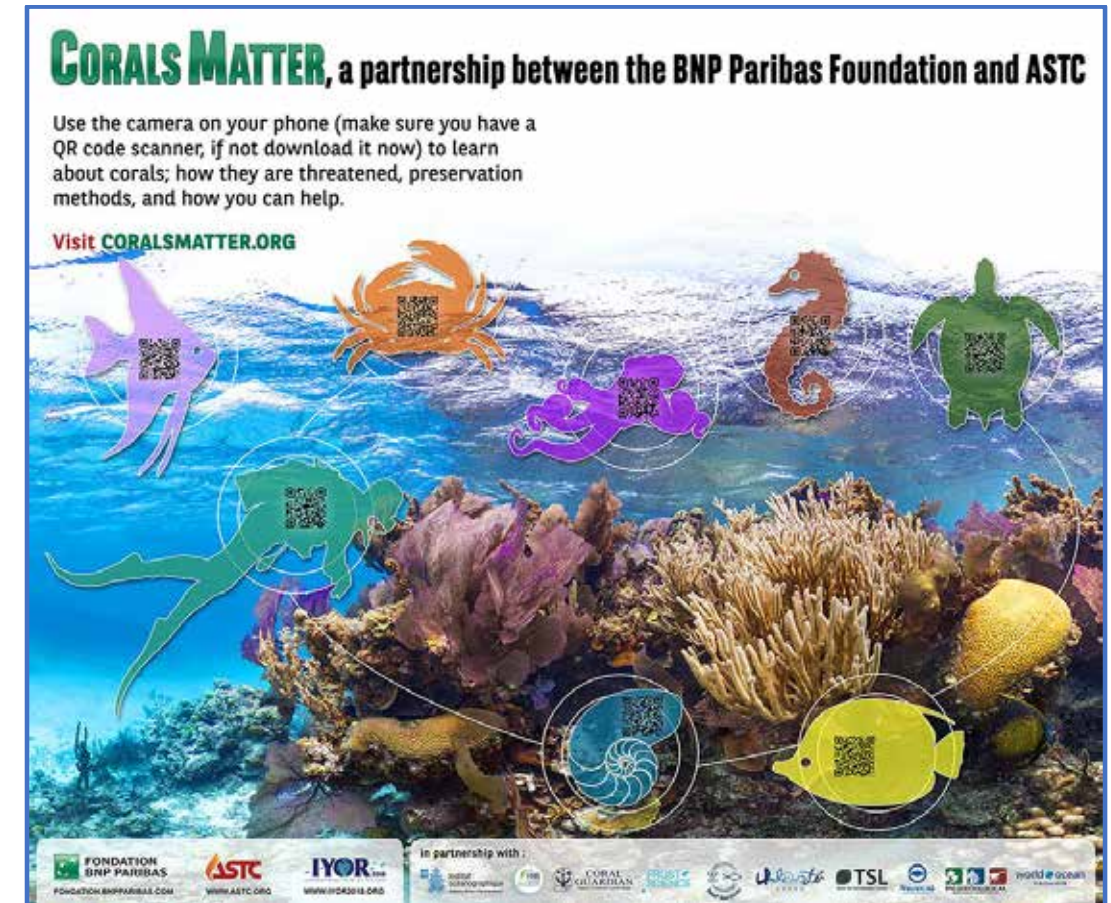
Convenor **Meredith Doby**, Vice President of Exhibits, The DoSeum, San Antonio, United States, @adobyphotoshop.

Speakers **Peter Bishop**, Exec Director, Teach the Future, Houston, United States, @teachfutures. **Kristin Alford**, Director, MOD., MOD. at the University of South Australia, Adelaide, Australia, @kristinalford. **Mikko Myllykoski**, Experience Director, Heureka - The Finnish Science Centre, Vantaa, Finland, @mikkomy.

A 360° Coral Reef Exploration is Waiting for You

Experience the wonder of coral reefs

Explore five different aspects of coral reefs through the QR Codes embedded in the poster below. Share with your visitors the most recent scientific research about the future of coral reefs, why they matter, and what can be done to protect them



Download the Free Interactive Poster:

<https://www.coralsmatter.org/coral-reefs-banner>

The poster can be formatted to sizes ranging from tablemat to large wall areas. Use the poster for an in-depth study with a class or for a quick submersion for your museum visitors. Explore the amazing underwater scenery in a 360° environment using a personal mobile phone. No app download required.

Get this amazing free display just for the cost of the print!



GALA DINNER & SHOW

The Circus Building

Thursday 19.00 – 23.30

This year's Gala Dinner and Show will be held inside the Circus Building, a Copenhagen landmark, and a venue for popular entertainment for more than 100 years. The space was once home to elephants, seals and clowns and is now offering a dinner & show experience combining musical interpretations, dancing and acrobatics.

The Gala Dinner will be held under the impressive dome of the Circus Hall, exclusively booked for Ecsite Conference attendees on that night. There will be short breaks in between each act, giving you time to take in all the impressions and enjoy each other's company. The floor will be turned into a dance floor after dinner at 23.30, when they will also open up the bar.

Recommended dress code: your own interpretation of smart - if you like dressing up, this is your chance to show your glamorous self. As for all events, don't forget to have your conference badge with you. Please be punctual, as the show needs to start on time.

Getting there

The Circus Building
Jernbanegade 8
1608 Copenhagen



The Circus Building is situated in central Copenhagen and can be easily reached by bike or public transport. It is a 5-minute walk from the main Copenhagen Station and Vesterport Station. If you take the Metro, you will need to change at Nørreport Station and take the train to Copenhagen or Vesterport Station.



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You name it - we can make it!

We can also provide scientifically correct up to date text material for interpretations and educational purposes.

At the moment we have one dinosaur exhibition, one "bug" exhibition and one ice age exhibition for sale or hire.

Special ECSITE offer

50% discount on the purchase of the Ice age exhibition

Booth 21 www.megalodoncreations.com

MEGALODON
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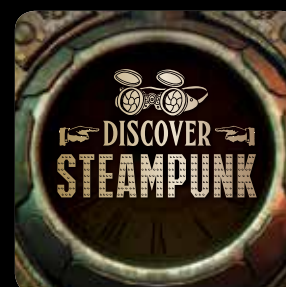
Come and visit us at booth 56.

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Find Imagine Exhibitions at the Conference:

What's New in Touring Exhibitions

Thursday, 6 June • 12:00 - 1:15pm
MovieHouse Screen 1

Too Young for Tough Topics?

Saturday, 8 June • 2:30 - 3:45pm
MovieHouse Screen 2

Booth #25

Or learn more at
www.ImagineExhibitions.com

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WANT TO KNOW MORE?

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ARCHIMEDES

www.archimedes-exhibitions.de

FRIDAY

7 June 2019

#roof

LIGHT YOGA ON THE ROOF - 1 - LIGHT YOGA

8.00 - 8.50
Rooftop

Join us for light yoga on the roof of Experimentarium. Get ready for the conference day with a short yoga workout on the roof before sessions begin. All you need to bring is clothes you can comfortably move in.

BREAKFAST WITH THE BOARD - SOCIAL EVENT

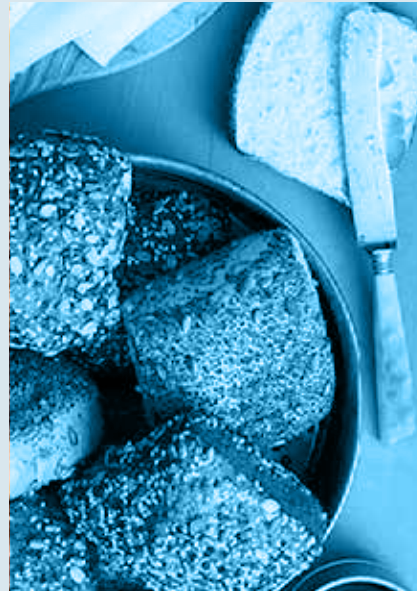
The Eatery

8.00 - 9.00

The Ecsite Board is pleased to invite staff of Ecsite member organisations to a members-only breakfast: an opportunity to exchange with Board members in a relaxed setting.

Places are free. They will be available onsite on Thursday 6 June at a dedicated desk. They are limited and will be allocated on a first come, first served basis.

Note that to give more members an opportunity to participate, a maximum of two people per organisation is foreseen.



#largestage

ON TRIAL: VIRTUAL REALITY - PARODY TRIAL

Strategy & vision | Exhibit development

9.00 - 10.15
Large Stage

The Supreme Court of the Ecsite Conference will decide whether virtual reality (VR) in museums and science centres is visceral reality providing vital reactions, or just virtually rudimentary and very rubbish. Virtual Reality can offer many benefits to a science centre or museum. Providing global access to collections, additional content about displayed objects and out of this world experiences, it promises to be a new weapon in deepening engagement with our audiences. But how ready are museums for these disruptive interventions within their sites? Whilst adopting VR requires a significant investment in new technologies, it also brings with it the need to understand shifts in visitor behaviour and expectations, changes in learning models, and a new audience of young people growing up with technology and demanding cutting-edge revolutions on an annual basis.

From the often-used quote 'don't use tech for tech's sake' to the offerings of a new story-telling and educational toolbox, VR is here to stay and the question is: should museums and science centres embrace it or stay away from it and consign it to the dustbin? Participants will be enrolled as our esteemed Ecsite jury and invited to decide.

Convenor Sharon Ament, Director, Museum of London, London, United Kingdom, @SharonAment.

Speakers Aliko Giannakopoulou, Project Manager, Ellinogermaniki Agogi, Athens, Greece, @AlikoGiann. **Brad Irwin**, Head of International Partnerships, The Natural History Museum, London, United Kingdom, @NHM_Global. **Maarten Okkersen**, Head of Communications, Museon, The Hague, The Netherlands.

#smallstage

AWAKEN AND EMPOWER THE GREEN FAIRY IN YOU - WORKSHOP

Strategy & vision
Back to basics

9.00 - 10.15
Small Stage

The planet needs vocal green superheroes - but it also needs discreet green fairies, working in the shadows and corners of our workplaces without necessarily waiting for top-down change or elaborate organisation-wide sustainability plans. Is there one of them lying inside you, ready to be woken up and empowered? Let's use the inspiring setting of Copenhagen and Experimentarium to look for sustainability tips and tricks we could bring back to our own workplaces. After hearing about Experimentarium's own practices, we'll split into smaller green fairy groups and each visit one place in the science centre, reassessing our goals, questioning our habits, hunting for best practice and thinking of further green hacks. Together we'll be covering: an exhibition, an office, a tinkering workshop, a digital fabrication space, and an event. We'll all convene again to share the out-

comes of our respective explorations, which will also feed into a green fairy's manual put together for the wider community.

Convenors Carmen Fenollosa, Senior Project Manager, Ecsite, Brussels, Belgium, @missfenollosa (also speaker). **Julie Becker**, Communications and Events Manager, Ecsite, Brussels, Belgium, @museoju (also speaker).

Speakers Ryan Jenkins, Co-Founder, Education, Wonderful Idea Co., San Francisco, United States, @ryanejenkins. **Sebastian Martin**, Tinkering Studio Project Specialist, Exploratorium, San Francisco, United States, @smartinseb. **Hanne Haack Larsen**, COO, Experimentarium, Copenhagen, Denmark. **Audrey Korczynska**, Project Manager, La Casemate, Grenoble, France, @audrey_mcs. **Raquel da Cunha**, Events and Communications Officer & Project Manager, Ecsite, Brussels, Belgium, @RaquelCCCunha. **Nathalie Cimino**, Head of Exhibitions and Partnerships, PASS - Parc d'Aventures Scientifiques - SCRLFS, Frameries, Belgium. **Mai Nguyen**, Sustainability Development Manager, Universcience, Paris, France.

#movie1

ARE TEENS THE MOST EFFECTIVE EDUCATORS AND EXPLAINERS? - PANEL

Research, theory & evaluation | Explainers & visitor services

9.00 - 10.15
MovieHouse Screen 1

Explainers and educators are one of the most important assets you have to increase engagement and learning in your science centre. Could you make your educator team more effective by recruiting teenagers?

The STEM Teens project is evaluating the impact of teenagers as youth educators on visitors' engagement and learning outcomes. Jointly funded by the Wellcome Trust, ESRC, and the National Science Foundation, the project is gathering data at a science centre, three STEM-focused museums, an aquarium and a zoo in the UK and US. In the first two years of the five-year study, the project has found significant evidence that suggests both adult and

child visitors learn more factual science knowledge from interacting with a youth educator compared to an adult educator.

Join the session to hear this multidisciplinary panel discuss the potential benefits of recruiting teenagers as youth educators and the impact it can have on your organisation and visitors.

Convenors **Lauren Deere**, Museum Manager, Birmingham Museums, Thinktank, Birmingham, United Kingdom, @haycoxl.

Speakers **Grace Fields**, Education Program Coordinator, Riverbanks Zoo & Garden, Columbia, United States. **Adam Rutland**, Professor, Goldsmiths, University of London, London, United Kingdom. **Luke McGuire**, Postdoctoral Research Fellow, Goldsmiths, University of London, London, United Kingdom, @lukemcguirex. **Zain Iqbal**, STEM Teens Project Officer, Birmingham Museums, Thinktank, Birmingham, United Kingdom.

#movie2

ADVOCACY: DOING IT YOUR WAY - CONVERSATION / TALK-SHOW

Strategy & vision

9.00 - 10.15
MovieHouse Screen 2

Advocacy means secret meetings in dark parliament corridors, leaked documents in return for expensive favours and very big expense notes. It's a world reserved to ambitious politicians, wealthy industrial lobbies and cynical spin doctors. Is it not? Forget about "House of Cards" and hear how four real-life science engagement leaders developed an advocacy style that matched their organisations' values without jeopardising their advocacy aims. Whether you like it or not, advocacy cannot be overlooked. It might change your organisation slightly as it involves compromises and different working styles; but you will discover that it also offers opportunistic chances. Sharing experiences at national, European and international levels, our speakers will discuss their

journey to find the right voice, approaches and tools in a world whose codes and procedures can sometimes seem alien.

Convenor **Herbert Munder**, General Manager, Universum, Bremen, Germany.

Speakers **Andrea Bandelli**, Executive Director, Science Gallery International, Dublin, Ireland, @Maphutha. **Robert Firmhofer**, CEO, Copernicus Science Centre, Warsaw, Poland. Catherine Franche, Executive Director, Ecsite, Brussels, Belgium, @CaFranche. **Rosalia Vargas**, President, Pavilion of Knowledge (Pavilhão do Conhecimento) – Centro Ciência Viva, Lisbon, Portugal.

#movie3

WHAT'S NEW IN TOURING EXHIBITIONS - 3 - TRAVELLING EXHIBITIONS

9.00 - 10.15
MovieHouse Screen 3

A preview of current and upcoming touring science exhibitions across Europe and the world. This fast-paced session will give you a glimpse of a large range of exhibitions on offer, leaving it up to you to make contacts and find out more.

Convenor **Audrey O'Connell**, Museum Consulting, Audrey O'Connell + Associates, Seattle, United States, @AudreyinSeattle.

Speakers **Chris Harris**, Head of Exhibition and Touring, The Australian Centre for the Moving Image, Melbourne, Australia. **Petra Rotthoff**, Director of Exhibitions, Museumspartner, Innsbruck, Austria. **Marianne Pouget**, Deputy Director, Cap Sciences, Bordeaux, France. **Kateřina Chábová**, Manager for

VIP partners, Touring Exhibitions Manager, CEO of the Czech Association of the Science Centers, Techmania Science Center, Pilsen, Czech Republic. **Catherine Johnson**, Senior Exhibition Officer, National Museums Liverpool, Liverpool, United Kingdom. **Amy Noble Seitz**, CEO, Exhibits Development Group, Saint Paul, United States. **Yihuan Lin**, Exhibit-interdisciplinary & curate/Director, National Taiwan Science Education Center, Taipei Taiwan. **Hakan Lidbo**, Inventor, Artist, Inspiraction. **Orna Cohen**, Co-Founder, Dialogue Social Enterprise GmbH, Hamburg, Germany. **Juanita Schlöpfer-Miller**, Outreach Manager, ETH Zürich, Plant Science Center, Zürich, Switzerland.

#movie4

SCIENCE ENGAGEMENT ORGANISATIONS AS CITIZEN LABS - REVERSE

Science ♥ society | Equity & Inclusion

9.00 - 10.15
MovieHouse Screen 4

Societies are changing, new challenges are emerging and citizens increasingly want to be considered and meaningfully involved in the search for solutions. Living labs, fabrication labs, science shops and citizen science programmes support an inclusive innovation system in which citizens can be empowered to be part of the change they want to see. In this context, science engagement organisations become crucial agents in facilitating exploration and experimentation with new forms of innovation that activate members of civil society through co-creation and citizen participation, as key elements for open science. In this session, we share different experiences and open a discussion with the audience on the role science museums and cultural centres can play as citizen labs. We identify good practices, failures and the challenges ahead.

Convenor **Dacha Atienza**, Head of Scientific Area, Museu de Ciències Naturals de Barcelona, Barcelona, Spain, @DachaAtienza.

Speakers **Wiebke Rössig**, Scientist, Participation in research, collections and exhibitions, Museum für Naturkunde, Berlin, Germany. **Diana Escobar Vicent**, Science and Innovation Programs Responsible, Barcelona Ciència - Institut de Cultura de Barcelona, Barcelona, Spain, @dianaescobarvi1. **Michiel Buchel**, General Director, NEMO Science Museum, Amsterdam, The Netherlands. **Ling Lee**, Contemporary Science Manager, Science Museum Group, London, United Kingdom.

#lab4

RETHINKING AUTHENTIC EXPERIENCES WITH NATURAL HISTORY COLLECTIONS

- WORKSHOP

Collections | Learning

9.00 - 10.15
Lab 4 + 5

The power of natural history collections as tools for scientific enquiry lies in their sheer size. But how do we convey this to visitors? Conventional approaches that treat these collections like art pieces, using small numbers of selected objects, are inadequate. This is not how scientists use specimens, particularly as new technologies revolutionise collections-based research. If we want visitors to understand this process we must think differently. Panelists will explore physical and digital projects that facilitate access to natural history collections and open up the scientific process to visitors. Following a brief Q&A, and guided through a series of questions, participants will be challenged to undertake a 'thought experiment' and

explore which of these different approaches might fit their own institution. After sharing ideas and reflections in small groups, the session will conclude with a brief "reporting back" segment.

Convenor Jane Pickering, Executive Director, Harvard Museums of Science & Culture, Harvard Museums of Science & Culture, Cambridge, United States.

Speakers Maria João Fonseca, Interim Executive Coordinator, Natural History and Science Museum of the University of Porto, Porto, Portugal. **Chris Norris**, Director of Public Programs, Yale Peabody Museum of Natural History, New Haven, United States. **Janet Stott**, Deputy Director and Head of Public Engagement, Oxford University Museum of Natural History, Oxford, United Kingdom.

#lab7

ENGAGING YOUR COMMUNITY THROUGH TINKERING

- WORKSHOP

Learning | Equity & Inclusion

9.00 - 10.15
Lab 7

How do we build capacity to engage and collaborate with communities outside our walls through tinkering and making? By offering the tinkering approach to learners and educators in communities and contexts outside our venues we can build genuine partnerships and study what learning through tinkering in such spaces might look like in the future. In this workshop we will leave the comfortable walls of our own venues and take a trip to three different types of initiatives: projects in primary school settings (engaging students in deprived areas with low science capital); projects with social workers and underserved youths; activities in public spaces (parks, libraries and markets). Each time we will get first-hand experience with tinkering projects and see how the tinkering practice is embedded in each context

through a hands-on activity. This will serve as a basis for discussion on the role and potential of tinkering and making in different communities with an emphasis on the unique existing culture and values of each place.

Convenor Vanessa Mignan, Head of Education and Public Engagement, TRACES / Espace des Sciences Pierre-Gilles de Gennes, Paris, France, @vanessmall.

Speakers Sarah Funk, Project Manager, Science Center Netzwerk, Vienna, Austria. **Sebastian Martin**, Tinkering Studio Project Specialist, Exploratorium, San Francisco, United States, @smartinseb. **Meie van Laar**, Head of Education & Research, Science Learning Center, NEMO Science Museum, Amsterdam, The Netherlands, @meiegeerlings.

#beach

PROTOTYPING AND USER TESTS: DO'S AND DON'TS - WORKSHOP

Exhibit development | Research, theory & evaluation

9.00 - 10.15
The Beach

Prototyping is an eye-opening and often essential step in the development of content and interactive exhibits. It is a powerful tool but also complicated, often time-consuming and expensive. In the short introduction to this workshop, each speaker will share experiences on how to: start a prototyping project; actively involve visitors in the development process; use prototyping at different stages of a project; improve efficiency with the help of a prototyping tool; learn from spectacular prototyping fails; use prototyping for other purposes.

Workshop participants will then choose a topic they wish to examine more deeply and, in small groups,

complete a prototyping task (with real prototypes!). We will end the session with a discussion aimed at creating a shared list of do's, don'ts and best practices in prototyping.

Convenor Nathalie Puzenat, Exhibit Developer, Universcience, Paris, France.

Speakers Henrik Helsgaun, Concept and exhibition developer, Experimentarium, Denmark. **Marco Miranda**, Interactive Exhibit Developer - Science Show Performer, Swiss Science Center Technorama, Winterthur, Switzerland. **Marta Fikus-Krynska**, Exhibit developer, Copernicus Science Centre, Warsaw, Poland. **Sami Pihkala**, Exhibition producer, Heureka - The Finnish Science Centre, Vantaa, Finland, @ideasail. **Sarah de Launey**, Exhibition developer, International Centre for Life, Newcastle Upon Tyne, United Kingdom, @sarahdelauney. **Jesper Rasted**, Exhibition Developer - mechanics, Experimentarium, Copenhagen, Denmark.

#yeast

GENETICALLY MODIFIED EXHIBITS

- WORKSHOP

Exhibit development | Collections

9.00 - 10.15
The Yeast Cell

Most of the time, yeasts (and exhibits) are replicated asexually, originating exact copies of themselves. But, occasionally, mutations occur - and they can also undergo sexual reproduction of course. Or we can modify them genetically, in order to better adapt them to the environment.

This workshop consists of an ideation activity based on the genetic modification of two exhibits from Experimentarium. Participants will receive fragments of information from each exhibit related to their aesthetic, cognitive, emotional or physical aspects. Guided by the speakers who will share thoughts on these different aspects of exhibit design, participants will be working in groups and will be challenged to

imagine new exhibits based on these fragments of information. At the end of the session we will compare our "mutant exhibits" and discuss their strengths and weaknesses.

Convenor Rui Quinta, Designer, Toyno, Lisbon, Portugal.

Speakers Mariana Cardoso, Experience and concept designer, Toyno, Lisbon, Portugal. **Gunnar Behrens**, Managing Director, Archimedes Exhibitions, Berlin, Germany. **Dorothee Vatinel**, Curator, Universcience, Paris, France. **Ines Montalvao**, Exhibition developer / content designer, Heureka - The Finnish Science Centre, Vantaa, Finland.

#island

WALK-ALONG TO GRASP VISITOR EXPERIENCES

- WORKSHOP

Research, theory & evaluation |
Exhibit development

9.00 - 10.15
The Island

The concept of experience is 'hot' in the field of museums and science centres. Our organisations are part of the experience economy and as such platforms for experiences. Science centres and museums design user experiences. But what essentially is an experience, and how can we gain insight into visitors' subjective and personal experiences? This workshop revolves around an innovative methodological approach to studying and evaluating the visitor experience: the mobile walk-along method is a hybrid between interview and observation. It enables the evaluator to obtain detailed information on visitors' experiences while interacting with, seeing, hearing, feeling and touching exhibits. This interactive workshop will entail short presentations on what an experience is, an introduction to the walk-along method and what exhibition designers

can learn from it, as well as an interactive part where participants will try out the method. Experimentarium is a unique setting for this workshop, since the research team from the University of Ålborg who will be introducing the method carried out many hours of walk-alongs at the science centre.

Convenor **Mette Skov**, Associate Professor, Aalborg University, Aalborg, Denmark.

Speakers **Christian Jantzen**, Professor, Aalborg University, Aalborg, Denmark. **Marianne Lykke**, Professor, Aalborg University, Aalborg, Denmark. **Mette Stentoft Therkildsen**, Program Manager, Exhibition, Experimentarium, Copenhagen, Denmark.

#EcsiteMakers

TINKERING EXPLORATIONS: EVERYDAY MATERIALS - WORKSHOP

9.00 - 10.15
The Idea Company - MakerSpace

In this hands-on tinkering session, we will explore the idea of using everyday materials and tools in unexpected ways. Whether you are designing making activities that are fully guided or completely open-ended, the choices concerning materials can make a huge difference to how learners engage with the workshop. From sticks to straws to LEGO blocks, we'll consider how tinkering activities can make simple ingredients infinitely interesting. MakerSpaces based in science engagement organisations are an open source community where people create and share environments, activities, and new ideas. In this hands-on session, various makers will introduce activities that can support learning about content, skills and practices in a science centre or museum.

This will be an opportunity to see how things might work in a drop-in makerspace, try out something new and learn from the makers of the Ecsite community. The benefit of the community is to pass on ideas and resources, try them out and keep developing them. Tables will be set with different tinkering activities allowing engagement with hands-on tinkering led by experts who are working them out in their own spaces.

Convenor **Shivani Singhal**, Head, Dharohar, India, @shivani_singhal.

Speakers **Inka de Pijper**, Project Manager Education, NEMO Science Museum, Amsterdam, The Netherlands. **Liam Nilsen**, Learning Experience Advisor, the LEGO Foundation, Billund, Denmark, @nilsenmuseum.

#GameLab

HELP, I NEED A GAME! GAME DESIGN COACHING - PERSONAL COACHING

Science ♥ society

9.00 - 10.15
The Puzzler - GameLab

Want to reach new audiences? Got a gallery that nobody visits? Face a tricky problem? Would you like to enliven an event? A good game might just well be the answer you've been looking for. Bring your challenge to the GameLab! The GameLab at the Ecsite Conference brings together an international team of people who are working with games and play in science centres and museums. They are experienced at creating games which range from real world escape rooms to virtual reality adventures, community game hacks to bespoke commissions. They will be there to address your challenge. To brainstorm your future game together we need: The subject: space, nutrition, maths, natural history, etc. The audience: under 5s, over 50s, schools, girls, non-museum visitors etc. Restrictions: time, scale, pop-up space, in foyer, must travel, no technician, tiny budget etc.

Convenor **Kate Kneale**, Director, HKD, Margate, United Kingdom, @knealek.

Speakers **John Sear**, Real-world Game Designer, Museum Games, Birmingham, United Kingdom, @mrjohnsear. **Ran Peleg**, Curriculum Developer and Project Manager, EdQuest UK, London, United Kingdom. **Daniela De Angeli**, Research Associate, University of Bath, Bath, United Kingdom. **Claudia Sodini**, Teacher, k-production, Viareggio, Italy, @claudiasodini. **Malvina Artheau**, Development & European Partnerships - RRI - LivingLab, Artheau Accompagnement, Toulouse, France, @MalvinaArtheau.

#tour

EXPERIMENTARIUM ARCHITECTURE

- GUIDED TOUR

9.00 - 10.15

Entrance of Experimentarium

The substantial extension and refurbishment of Experimentarium, which re-opened its doors in 2017, future-proofs the science centre as a significant cultural destination. The project doubled the exhibition area with a total of 18 interactive exhibitions. The aim of the design was a radical change of Experimentarium's architectural expression, a transformation from its previous existence as an introvert building to its current incarnation as an extrovert, engaging and vibrant attraction that makes its activities visible in the public space. The building was com-

pletely reorganised by mixing existing functions with new ones, adding new floors and cutting the building across in two places to insert atria with eye-catching sculptural staircases. Experimentarium's Director Kim Gladstone Herlev and CEBRA Leading Architect Kolja Nielsen will give Ecsite Conference participants an exclusive guided tour of Experimentarium.

Duration: 75 minutes. Advance booking is required, at the Conference's Information Desk (on the ground floor of Experimentarium). Starting point: in front of Experimentarium, just outside the main entrance.

#tour

BOTANICAL GARDEN

- GUIDED TOUR - 1

09.00 - 10.30

Botanical Garden

Experience the most beautiful oasis of the city, the Botanical Garden, on a guided tour through the largest living plant collection in Denmark. In summer, the gardens are in full flower and during the tour you will be shown plants at their most extraordinary, both outside and in the lush greenhouses.

Duration 1.5 hours.

There can be up to 25 guests on this guided tour.

Advance booking is required, at the Conference's Information Desk (on the ground floor of Experimentarium).

Meeting place: Gothersgade 128, Copenhagen. Meet by the main entrance to the Botanical Garden near Nørreport Station, in front of the flower shop. The tour starts immediately so please be on time.

KEYNOTE - MARGARET WERTHEIM

- KEYNOTE

10.30 – 11.30

Live from the Large Stage, streamed to several locations in the building

Mathematics as Material Play - Margaret Wertheim is an internationally acclaimed writer, artist and curator whose work focuses on relations between science and the wider cultural landscape. The author of six books, including *The Pearly Gates of Cyberspace* and *Physics on the Fringe*, she has written for the *New York Times*, *The Guardian*, *Cabinet*, *Aeon* and many others. Margaret and her twin sister Christine are founders of the Institute For Figuring, a Los Angeles-based practice devoted to the poetic and aesthetic dimensions of science and mathematics. The sisters have created exhibitions for the Hayward Gallery (London), Science Gallery (Dublin), Mass MoCA (MA) and elsewhere. Their *Crochet Coral Reef* project has been shown internationally including at the Andy Warhol Museum (Pittsburgh), Museum of Arts and Design (New York), Deutsches Museum (Munich), and the Smithsonian's National Museum of Natural History (Washington D.C.) Margaret has been awarded Australia's Scientia Medal for science communication and the American Association of Physics Teachers' prestigious Klopsteg Award for "conveying the ex-

citement of physics." Margaret's talk focuses on the question: What does it mean to know mathematics? While we are used to thinking of mathematics as a symbolic activity learned through equations and books, all around us things are engaging in mathematics. From the hyperbolic geometry incarnated in corals to the Fourier transforms that describe an inner structure of music and data, the material world abounds with mathematical forms and patterns. In this talk, she will discuss her work using material play practices as a way to engage people with mathematics. Wertheim will propose that maths – like music – can be played out as a joyful embodied activity open to all people. Additionally, she will describe how she has used techniques such as handicrafts to specifically engage women with maths and science concepts. Don't miss the Conversation session with Margaret Wertheim in the next session slot and her Making hyperbolic space workshop in the afternoon.

Speaker Margaret Wertheim, Director, Institute For Figuring, Los Angeles, United States, @margaretwerth.

#largestage

SCIENCE CENTRES AS DRIVERS FOR SOCIAL CHANGE - REVERSE

Equity & Inclusion | Science ♥ society

12.00 - 13.15

Large Stage

Relevance, inclusion, diversity, civic engagement and community outreach are some of the most discussed topics of the past decade in the museum and science centre field. It seems that the social implications of our work have gained a higher relevance and moved from the periphery to the centre. Museums and science centres are perceived as contributors to cohesive communities, promoting inclusion and diversity. In this context, one of our major tasks is audience development, both in terms of reaching out to under-represented groups; and providing new motivation to visitors to take social action inside and above all outside of their visit. In the future, our organisations will be judged on the impact they have beyond their own walls. In this session, best practice examples from

several museums will be presented and discussed, inspiring participants to get on board and support the idea that museums and science centres need to become drivers of social change.

Convenor Orna Cohen, Co-Founder, Dialogue Social Enterprise GmbH, Hamburg, Germany.

Speakers Annkatrin Meyer, COO, Dialogue Social Enterprise, Hamburg, Germany. **Maja Wasyluk**, Exhibition Project Manager, Muséum d'histoire naturelle, Toulouse, France. **Tom Rockwell**, Creative Director, Exploratorium, San Francisco, United States, United States. **Carina Jaatinen**, Head of Exhibitions, Heureka - The Finnish Science Centre, Vantaa, Finland.

#smallstage

CONVERSATION WITH MARGARET WERTHEIM - Q&A

Strategy & vision

12.00 - 13.15

Small Stage

Your opportunity to engage in conversation with science writer, artist and curator Margaret Wertheim after hearing her keynote in the previous time slot. Can't get enough? Also attend Margaret's Making hyperbolic space workshop in the afternoon.

Convenor **Maria João Fonseca**, Interim Executive Coordinator, Natural History and Science Museum of the University of Porto (MHNC-UP), Porto, Portugal.

Speaker **Margaret Wertheim**, Director, Institute For Figuring, Los Angeles, United States, @margaretwerth.

#movie1

SOFT POWER AND SCIENCE MUSEUMS - PANEL

Strategy & vision

12.00 - 13.15

MovieHouse Screen 1

The value of science centres and museums to society is changing. From depositories for collections, to places to explore, question and understand scientific phenomena – they are now being seen as generators of soft power for their nation around the world. A relatively new notion for science centres and museums, soft power is the exercise of influence through attraction, persuasion, and agenda-setting rather than military or economic coercion. Exercising soft power is to communicate with a larger audience and seek attitudinal change over a longer period of time, and is more important than ever in an increasingly digitally connected world. In this session we will explore what we mean by soft power and explore how we are becoming a part of this discussion. We will focus on the particular opportunities and constraints for science museums and science centres in this area: do

we know what they are and are we equipped to face them; and what can we learn from the arts sector?

Convenor **Gail Lord**, President and Co-Founder, Lord Cultural Resources, Lord Cultural Resources, Toronto, Canada, @Gail_Lord.

Speakers **Brad Irwin**, Head of International Partnerships, The Natural History Museum, London, United Kingdom, @NHM_Global. **Helen Jones**, Director of Strategy and International, Science Museum Group, London, United Kingdom. **Rosalia Vargas**, President, Pavilion of Knowledge (Pavilhão do Conhecimento) – Centro Ciência Viva, Lisbon, Portugal.

#movie2

EMPOWERING SCIENTISTS TO CONNECT WITH THE PUBLIC - PANEL

Science ♥ society

12.00 - 13.15

MovieHouse Screen 2

Many scientists want to connect with the public, but their efforts to do so are not always easily achieved or effective. Some programmes and institutions are leading the way in identifying the support needed to enable scientists' connections with the public. However, the current appetite by – and demand for – scientists to do this exceeds the capacity of those who facilitate quality communication and engagement efforts. Moreover, institutional barriers often inhibit scientists' efforts to communicate and engage. This session aims to discuss strategies for empowering scientists in the dialogue with society, taking examples from different countries and contexts. Three presenters will share experiences from different perspectives: an alliance of US foundations, a Brazilian research institution and an Italian science museum.

Convenor **Katrina Nilsson**, Head of National Public Programmes, The Natural History Museum, London, United Kingdom, @KatNilsson.

Speakers **Luisa Massarani**, Researcher and Science Communicator, National Institute of Public Communication of Science and Technology, Rio de Janeiro, Brazil. **Maria Xanthoudaki**, Director of Education and of the Centre of Research in Informal Learning, Museo Nazionale della Scienza e della Tecnologia 'Leonardo da Vinci', Milano, Italy, @xxanthoudaki. **Brooke Smith**, Director of Public Engagement with Science, The Kavli Foundation, Los Angeles, United States, @brookesimler.

#movie3

VISITOR STUDIES: CHANCES AND CHALLENGES OF DIGITAL METHODS - PANEL

Research, theory & evaluation Science ♥ society

12.00 - 13.15

MovieHouse Screen 3

The digital era brings new tools for visitor research, for instance the possibility to track visitors and their activities. These methods stretch the boundaries of visitor research into the big data area. Instead of asking visitors about their experience, we can now track their activities during the visit without having to interrupt their authentic course. But how? Based on a hands-on experiment, you will experience automated collection of 3D data of visitors' activities. You will become acquainted with specific examples of data collection and combination in a way which allows a realistic look at frequently discussed technologies. New methods enable visitor studies to strive for new goals, but also to raise questions. Speakers from IT, interaction studies and museums discuss on what museums can expect from digitised visitor studies and the pros and cons of such methods.

Convenor **Armin Duff**, Head of Education, Swiss Science Center Technorama, Winterthur, Switzerland.

Speakers **Sergey Mukhametov**, Research Associate, Institute for Geoinformatics, University of Muenster, Münster, Germany, @msh_777. **Wolfgang Kesselheim**, Head of the URPP Language and Space Labs, University of Zurich (Linguistics), Zurich, Switzerland. **Sybill Ebers**, Director/CEO, Westfälisches Pferdemuseum Münster, Münster, Germany. **Nils Petter Hauan**, Head of Development, VilVite, Bergen Vitensenter AS, Bergen, Norway. **Christina Brandenberger**, PhD student, URPP Language and Space, University of Zurich, Zurich, Switzerland.

#movie4

DINOSAURS AS CATALYSTS FOR CHANGE

- PANEL

Strategy & vision | Science ♥ society

12.00 - 13.15

MovieHouse Screen 4

Dinosaurs have the power to reach audiences other collections cannot reach – how is this being harnessed as a catalyst for change? Find out how moving dinosaurs, whether within a museum context or on tour, can act as a signal for large-scale strategic shifts and massive transformations in museums. The Natural History Museum of Denmark is relocating the entire museum and using dinosaurs to make connections with new audiences and ultimately provide a route to understand their audiences in their future new building in a new part of the city. The Field Museum in Chicago has relocated its iconic T-Rex, SUE, to telegraph to visitors the process of transformation during their 125th anniversary year. The Natural History Museum in London has taken its iconic Diplod-

ocus, Dippy, on tour to catalyse its national activity and signal a new brand narrative.

Convenor **Leonel Alegre**, Experience and Content Manager, Toyno - space experience design studio, Lisbon, Portugal.

Speakers **Jaap Hoogstraten**, Director of Exhibitions, The Field Museum, Chicago, United States. **Juliette Fritsch**, Deputy Director, Exhibitions and Visitor Experience, Natural History Museum of Denmark, Copenhagen, Denmark. **Katrina Nilsson**, Head of National Public Programmes, The Natural History Museum, London, United Kingdom, @KatNilsson.

#lab4

ACTING AS SCHOOL? - WORKSHOP

Marketing & communication | Strategy & vision
Back to basics

12.00 - 13.15

Lab 4 + 5

School teachers and their classes are one of the principal target groups for science centres and other informal learning environments. We let them explore our exhibitions and carry out workshops in our labs. We design worksheets, develop experimental kits and conduct further training events for teachers. Although we maintain diverse and multifaceted relationships with teachers, entire schools and educational authorities, we're not part of the "normal" school life. In this session, we want to explore the diversity of our interactions with the school system and get to the bottom of our self-understanding as we "act as school". We will distinguish between three levels of interaction: micro level (single teacher / classroom activities); meso level (activities related to entire schools); and macro level (activities undertaken towards governmental bodies). We'll

analyse the intentions behind our "acting": is it simply output-driven? Are we looking for specific outcomes within STEM-learning? Or are we seeking to have socio-political impact?

Convenor **Roy Schedler**, Head Marketing and Partnerships, Swiss Science Center Technorama, Winterthur, Switzerland.

Speakers **Anna Gunnarsson**, Teacher/Developer, NAVET, Kinna, Sweden. **Robert Firmhofer**, CEO, Copernicus Science Centre, Warsaw, Poland. **Vlasta Volak**, CEO, Techmania Science Center, Pilsen, Czech Republic. **Luigi Amodio**, Director of the Science Centre, Fondazione IDIS - Città della Scienza, Naples, Italy.

#lab7

PROJECT SHOWCASE - PROJECT SHOWCASE

Learning | Science ♥ society

12.00 - 13.15

Lab 7

Could an object describe your entire project? The courageous speakers of this session took on this challenge and will be telling you about their projects in an original and jargon-free style. Expect a 2-minute story for each project, followed by 45 minutes of networking. Join to get a quick overview of ongoing non-profit science engagement actions and meet those behind the showcased collaborative initiatives.

Convenor Cristina Paca, Project Manager, Ecsite, Brussels, Belgium, @CrstnGP.

Speakers **Holger Seifert**, Head of Science Communication, Technische Sammlungen Dresden, Dresden, Germany. **Tibisay Sankatsing Nava**, International Exhibition Coordinator, Leiden University, Leiden, The Netherlands. **George Pehlivanides**, Interactive Experiences Designer, TETRAGON, Thessaloniki, Greece. **Paolo Legato**, Director, MAcA - Museo A come Ambiente, Turin,

Italy, @MAcAMuseo. **Natalija Polenec**, Director, Technical Museum of Slovenia, Ljubljana, Slovenia. **Carmen Fenollosa**, Senior Project Manager, Ecsite, Brussels, Belgium, @missfenollosa. **Lena Söderström**, Project & Communications Manager, Vetenskap & Allmänhet, Stockholm, Sweden, @vetenskapoaallm. **Andreas Matt**, CEO, IMAGINARY, Berlin, Germany, @imaginary_math. **Daphnie Daras**, Project Assistant, Ecsite, Brussels, Belgium, @dafnie9. **Marianna Obrist**, Professor of Multisensory Experiences, University of Sussex, Brighton, United Kingdom, @obristmarianna. **Maria Zolotonosa**, Senior Project Manager, Ecsite, Brussels, Belgium, @zolotonosa. **Frank Kupper**, Assistant Professor Science Communication, Athena Institute - VU Amsterdam, Amsterdam, Netherlands, @frankkupper. **Andrew Whittington-Davis**, Project and Communications Assistant, Ecsite, Brussels, Belgium, @ajwhittingtond. **Irene Besenbaeck**, Project Manager KnowledgeRoom, Science Center Netzwerk, Vienna, Austria. **Juan Luis Gonzalo**, Postdoctoral Research Fellow, Politecnico di Milano, Milan, Italy.

#beach

30 YEARS OF ECSITE: CELEBRATE-REFLECT-ACT - WORKSHOP

Strategy & vision

12.00 - 13.15

The Beach

As Ecsite and its Conference turn 30, what can our professional community be proud of having achieved? What legacy can we build on and what boundaries do we need to stretch in order to address future challenges? When peers attending the 60th Ecsite Conference in 2049 look back on the past 30 years, what are we hoping they will see? What can we do now to turn our hopes into realities? The #Ecsite30 anniversary motto is "celebrate-reflect-act", and this is precisely what this participatory session is inviting you to do. No speeches and no seats: let our facilitators guide you through three "rounds" inspired by (gentle!) impro theatre, participatory dance and

design thinking. Immerse yourself in the Ecsite community and help build a bridge between professional generations.

Convenors **Joanna Kalinowska**, Development Director, Copernicus Science Centre, Warsaw, Poland. **Julie Becker**, Communications and Events Manager, Ecsite, Brussels, Belgium, @museoju. **Mikko Myllykoski**, Experience Director, Heureka - The Finnish Science Centre, Vantaa, Finland, @mikkomyl. **Raphael Chanay**, Head of Museological Projects, Universcience, Paris, France.

#yeast

THE DIVERSITY & INCLUSION CLINIC - WORKSHOP

Equity & Inclusion

12.00 - 13.15

The Yeast Cell

Are you or your organisation experiencing challenges when it comes to diversity and inclusion? Are you aware that these are important systemic issues, yet are not sure where to start to dismantle unjust infrastructures to combat your institution's symptoms of whiteness, privilege, eurocentrism and power? Or do you want to identify the root cause of being exclusive both in staff and visitor composition? As this is a multidimensional illness, the Diversity & Inclusion Clinic cannot promise a quick cure. But you are not alone! You can expect a safe setting to share your pain and support others in their recovery so we can together identify and move towards healthier prac-

tices. The Clinic will have departments for access, content, staff, partnerships and strategy. It will be attended by experienced members of the social inclusion, equity and diversity working group.

Convenors **Barbara Streicher**, Executive Manager, Science Center Netzwerk, Vienna, Austria. **Jo Bryant**, Community Engagement and Volunteer Manager, We The Curious.

Speakers **Vanessa Mignan**, Head of Education and Public Engagement, TRACES / Espace des Sciences Pierre-Gilles de Gennes, Paris, France, @vanessmall. **Maarten Okkersen**, Head of Communications, Museon, The Hague, The Netherlands.

#EcsiteMakers

CONVERSATION CORNER: A CONTEXT FOR MAKING - WORKSHOP

Science ♥ society

12.00 - 13.15

The Idea Company - MakerSpace

In this conversation corner session, we'll focus on thinking together how immersive exhibitions, videos, stories, pop-up environments and well curated themes can support tinkering activities in a science centre or museum. These contexts for tinkering can give a deeper meaning to the workshop, drive the tinkering process and foster imagination for staff and visitors. This year at the Ecsite Conference's MakerSpace we are opening a series of informal dialogues on topics that are important to the maker community. When we think back and remember times when we received unexpected tips on how to operate our space, found a great collaborator or discovered new practices we remember that an informal conversa-

tion between sessions led to these new ideas. Whether you are a MakerSpace pro or a complete newcomer, join these active discussion sessions and get new perspectives on making and tinkering in museums.

Convenor **Ryan Jenkins**, Co-Founder, Education, Wonderful Idea Co., San Francisco, United States, @ryanejenkins.

Speakers **Samar D. Kirresh**, Senior Researcher-Science Studio, A. M. Qattan Foundation, Ramallah, Palestinian Territory. **Yihuan Lin**, Exhibit-interdisciplinary & Curate/Director, National Taiwan Science Education Center, Taipei, Taiwan.

#GameLab

GAMES PROTOTYPING WORKSHOP - WORKSHOP

Learning | Explainers & visitor services

12.00 - 13.15

The Puzzler - GameLab

Games can push the boundaries of identity and knowledge by providing a safe space to explore actions and consequences. By taking on personas, visualising large systems on their table top, or wrestling with complex decisions, participants can engage deeply with concepts that might otherwise be overwhelming or not of interest to them. In this session, we will explore some of the many ways that games can change learning in science centres. Science communicators and educators from Italy, Sweden, Argentina, and the U.S. will coordinate break-out groups where they will briefly present a game they created before walking participants through their own game visualisation. Building off the facilitators' examples, we will guide participants in conceptualising their own game through a rapid prototyping

process. This session will empower science communicators to create and engage with games in new and creative ways.

Convenor **Stacey Freeman**, Assistant Dean of Outreach and Diversity, Boston University, Boston, United States.

Speakers **Sandra Rodegher**, Manager of National Outreach Initiatives, Boston University, Boston, United States. **Paolo Degiovanni**, Education officer, MUSE - Museo delle Scienze, Trento, Italy. **Sara Bagge**, Developer and teacher, NAVET, Borås, Sweden. **Leonardo Svarc**, Exhibit Developer, Centro Cultural de la Ciencia, Buenos Aires, Argentina, @ccdelaciencia.

#largestage

WHEN IS AN EXHIBITION NO LONGER AN EXHIBITION? - PANEL

Exhibit development | Science ♥ society

14.30 - 15.45

Large Stage

Unique experiences are a major driver in bringing visitors to museums and science centres. The more we incorporate artistic interventions, performance pieces, immersive design and festivals into our spaces and programmes the further our exhibition experience gets from more traditional object-focused display formats. Through presentations from panellists from the worlds of exhibitions, experience design, and festival programming, we take a multifaceted view on the subject, bringing together diverse perspectives on staging creative science engagement experiences that challenge and exceed expectations of what is "allowed" to happen in our spaces. This panel will look at the similarities and differences to other, perhaps more traditional, approaches to museum spaces,

explore how these approaches can support each other and consider the benefits of boundary pushing both for visitors and institutions.

Convenor **Leonel Alegre**, Experience and Content Manager, Toyno - Space Experience Design Studio, Lisbon, Portugal.

Speakers **Haydn Antoniow**, Exhibitions and Interpretation Manager, The Natural History Museum, London, United Kingdom. **Pippa Hough**, Contemporary Science Events Project Leader, Science Museum Group, London, United Kingdom. **Stefan Fahrngruber**, Experience Designer, NorthernLight Design, Amsterdam, The Netherlands, @steffahrngruber.

#smallstage

THE FUTURE OF SCIENCE ENGAGEMENT

- HOUSE OF COMMONS DEBATE

Strategy & vision

Back to basics

14.30 - 15.45

Small Stage

What is the future of science engagement? Will science centres stay relevant in engaging the public with science? Or should we focus on programmes and outreach activities? Will artificial intelligence take over from human educators or is virtual reality the future? Will all youngsters have a personal teacher/coach that prepares them for the future?

Join the discussion: what is your opinion about the future of science engagement? This session will use the so-called "House of Commons" debating style: each presenter defends a short statement on their vision for the future of science engagement. Then you, the audience, choose a side: do you agree or disagree with this statement? Why? All participants get the opportunity to share short reactions to the statements put forward by the presenters.

Convenors **Patricia Verheyden**, Board Member, Science Popularisation Collaborative, Vilvoorde, Belgium. **Mikko Myllykoski**, Experience Director, Heureka - The Finnish Science Centre, Vantaa, Finland, @mikkomyl.

Speakers **Antonio Gomes da Costa**, Director of Scientific Mediation and Education, Universcience, Paris, France. **Andrea Durham**, VP, Exhibits, Digital, and Evaluation, Science World, Vancouver, Canada. **Tom Rockwell**, Creative Director, Exploratorium, San Francisco, United States. **Marilena Pace**, Senior Public Engagement Officer, International Centre for Life, Newcastle upon Tyne, United Kingdom.

#movie1

PERSONALISED VISITOR EXPERIENCES

- PANEL

Exhibit development | Strategy & vision

14.30 - 15.45

MovieHouse Screen 1

Personalisation is a strong mechanism to increase the impact of visitor experiences. Not every visitor is the same: think of languages, interests, expectations, knowledge, behaviours or (special) needs. We want to 'touch' visitors by creating resonance between our audience and our stories. Personalising messages allows you to communicate stories in a way that is tailored to each visitor, answering what seems to be an increasing demand for an even more personal approach in interactive exhibitions. In this session we'll walk through various visitor journeys and three different experience centres will share the challenges, limitations and opportunities they encountered in developing a personalised experience for visitors before, during and after their visit.

Convenor **Remco Molenaar**, Project Director, Kiss the Frog, Delft, The Netherlands, @kissthefrog_nl.

Speakers **Bart van den Berg**, Product and Innovation Manager, Kiss the Frog, Delft, The Netherlands. **Mike Ganderton**, Head of Experience Development, LEGO House, Billund, Denmark. **Mette Stentoft Therkildsen**, Program Manager, Exhibition, Experimentarium, Copenhagen, Denmark. **Karen Drost**, Curator of Exhibitions, The Netherlands Institute for Sound and Vision, Hilversum, The Netherlands, @beeldengeluid.

#movie2

DIVERSIFIED APPROACHES TO DIVERSITY

- PANEL

Equity & Inclusion | Science ♥ society

14.30 - 15.45

MovieHouse Screen 2

What specific efforts can science centres make to be more inclusive and more welcoming, not only as public spaces, but also as science communication hubs? As a public space, they must improve accessibility and relevance for different audiences, and allow diversity to drive organisational change. As a science communication hub, efforts to be more relevant to those who seldom visit museums can broaden perspectives on science and technology and incorporate new ideas or needs.

In this session four museum professionals from four different countries share their experience of working with different types of diversity such as gender, physical and intellectual disabilities or multicultural communities, through science, exhibition design and organisational culture. They will encourage participants to reflect on their own practice.

This session reflects the increasing importance of diversity for the science centre community and will also be an opportunity to make efforts converge.

Convenor **Matteo Merzagora**, Director, TRACES / Espace des Sciences Pierre-Gilles de Gennes, Paris, France, @happymmerz.

Speakers **Marianne Achiam**, Associate Professor, Department of Science Education, University of Copenhagen, Copenhagen, Denmark, @marianneachiam. **Christine Reich**, Director of Research and Evaluation, Museum of Science, Boston, United States. **Maria Isabel Garcia**, Curator, The Mind Museum, Taguig, Philippines.

#movie3

INTRODUCING YOUNG PEOPLE TO

OPEN SCIENCE - PANEL

Strategy & vision | Science ♥ society

14.30 - 15.45

MovieHouse Screen 3

In 2015 EU Commissioner Carlos Moedas defined three strategic priorities for European Research and Innovation: Open Innovation, Open Science, and Openness to the World. Open Science is the movement to make scientific research, data and dissemination accessible to all levels of an inquiring society, whether amateur or professional. One important aspect of Open Science is publishing Open Research and campaigning for Open Access.

How can a science centre / museum or a school introduce young people to the world of Open Science? How can we familiarise young people with the world of scientific journals, peer review processes, open data management and cutting-edge research? In this session, speakers will introduce three case studies of organisations dealing with exactly these issues with their strategies and projects.

Convenor **Carmen Fenollosa**, Senior Project Manager, Ecsite, Brussels, Belgium, @missfenollosa.

Speakers **Aliki Giannakopoulou**, Project Manager, Ellinogermaniki Agogi SA, Athens, Greece, @AliGiann. **Maya Halevy**, Director, The Bloomfield Science Museum Jerusalem, Jerusalem, Israel. **Jeroen Wiegertjes**, Manager Science Communication, NEMO Science Museum, Amsterdam, The Netherlands.

#movie4

LEADERS FROM THE OUTSIDE

- PANEL

Strategy & vision | Learning

14.30 - 15.45

MovieHouse Screen 4

Now and again visionary leaders with new ideas and different experiences from the outside world land in science centres, science museums and similar science-communicating institutions. This can lead to an exciting meeting between two different worlds, pushing the limits of science engagement organisations and allowing for the pursuit of new opportunities, enriching the whole field in the process. How do leaders from the outside experience their meeting with the science communication field, and what can the field gain from it? In this session you will meet five "leaders from the outside" who took on a CEO position in a science engagement organisation, ranging from a former astronaut to a former Minister of Education.

Convenor **Kim Gladstone Herlev**, Executive Director, Experimentarium, Copenhagen, Denmark, @experimentarium.

Speakers **Tapio Koivu**, CEO, Heureka - The Finnish Science Centre, Vantaa, Finland. **Christine Antorini**, CEO, LIFE, the Novo Nordisk Foundation, Copenhagen, Denmark, @Antorini123/. **Mamoru Mohri**, Chief Executive Director/Astronaut, Miraiikan - National Museum of Emerging Science and Innovation, Tokyo, Japan. **Christopher Flink**, Executive Director, Exploratorium, San Francisco, United States. **Deb Banning**, Chief Executive Officer, Scitech Discovery Centre, Perth, Australia, @scitechceo.

#lab2

THE GRAND BAZAAR

- DROP IN AND EXPERIMENT

Learning | Explainers & visitor services

14.30 - 15.45

Lab 2 + 3

Welcome to the Grand Bazaar. Here dozens of creative and hands-on table-top activities await you, whether new to the profession or seasoned. At each station, create, experiment, or play with the truly wonderful variety of activities and demonstrations presented by an international team of experts specialising in highly effective, practical ways to engage the public.

Convenor **Martin Kulhawczuk**, Head of Development, Vitensenteret i Trondheim, Trondheim, Norway.

Speakers **Ian Russell**, Director, Ian Russell Interactives, High Peak, Derbyshire, United Kingdom, @ianrusselluk. **John Downey**, Senior Educator, Balthazar Science Center, Skövde, Sweden. **Pedro Pombo**, Director, Fábrica Science Centre, Aveiro, Portugal. **Hanne Madsen**, Lecturer, Developer, Jaermuseet, Sandnes, Norway, @VitenHM. **Peeranut**

Kanhadilok, Head of Exhibition Section of the Science Museum, Thailand, National Science Museum, Khlong Luang, Thailand. **Marco Miranda**, Interactive Exhibit Developer - Science Show Performer, Swiss Science Center Technorama, Winterthur, Switzerland. **Noel Jackson**, Head of Education, International Centre for Life, Newcastle Upon Tyne, United Kingdom. **Derek Fish**, Director, Unizulu Science Centre, Richards Bay, South Africa. **Ronen Mir**, Director - Schwartz-Reisman Science Education Centers, Clore Garden of Science - Davidson Institute of Science Education, Rehovot, Israel. **Sara Bagge**, Developer and teacher, NAVET, Borås, Sweden. **Aiyana Hudgins**, Head of Education, Vitenparken Science Park, Campus Ås, Ås, Norway. **Eva Hofstad Hagen**, Head of Education, Trondheim Science Centre, Trondheim, Norway. **Kathrin Unterleitner**, Chief Program Officer, IMAGINARY, Berlin, Germany.

#lab4

CITIZEN SCIENCE CASE STUDY: BRING YOUR OWN DEVICE - WORKSHOP

Research, theory & evaluation
Science ♥ society

14.30 - 15.45

Lab 4 + 5

The 2018 "Bring Your Own Device" citizen science campaign involved a Danish university, a media outlet and a life cycle company, which invited citizens to hand in their old smartphones, tablets, computers and other devices. Please bring your own devices that will become part of the workshop as a learning component. The project's aim was pushing scientific, institutional and media boundaries, and in this hands-on-workshop we will be sharing the data, research and reach of the project. We will explore the new public engagement opportunities offered by citizen science and life cycle studies to science institutions and communication professionals and share advice for conducting similar campaigns.

Convenors **Anne Kathrine Overgaard**, Head of Office, The University of Southern Denmark, Odense, Denmark, @annekovergaard. **Thomas Kaarsted**, Deputy Library Director, University of Southern Denmark, Odense, Denmark, @tkaarsted.

Speakers **Henrik Wenzel**, Head of Centre, The University of Southern Denmark, Odense, Denmark. **Mette Marie Karlberg**, Development and Project Coordinator, Refurb, Hornslet, Denmark. **Peter Hove**, Business Manager, Refurb, Hornslet, Denmark.

#lab7

THE IMPACT OF EMBODIMENT RESEARCH FOR EXHIBIT DESIGN AND SCIENCE COMMUNICATION - WORKSHOP

Research, theory & evaluation
Exhibit development

14.30 - 15.45

Lab 7

Have you ever noticed how children move when interacting with exhibits and wondered what this means for learning? Move2Learn is an international collaboration of science communicators and learning science researchers who are exploring the role of movement and gesture in young children learning about science. The project draws upon an emerging research area of Embodied Cognition which claims that the way we think and learn is inseparably linked to our sensory and action experiences in the world. After a brief introduction to key concepts and our research questions, you will test out the observation tool we have developed to analyse how users interact and learn.

We will share our own experiences of the highs and lows of pushing the boundary between science communication and academic research and you will never look at exhibit interactions the same way again!

Convenor **Susan Meikleham**, Senior Learning Coordinator, Glasgow Science Centre, Glasgow, United Kingdom (also speaker).

Speakers **Andrew Manches**, Academic, University of Edinburgh, Edinburgh, United Kingdom. **Judy Brown**, Science Centre Miami, Miami, United States.

#construction

YOUNG CHILDREN IN EXHIBITIONS: (RE)DRAWING BOUNDARIES - REVERSE

Exhibit development | Explainers & visitor services

14.30 - 15.45
The Construction Site

Children need boundaries – even in science centres and museums. They need a corner or a room dedicated to them; detailed guidance to be able to properly interact with exhibits; a step-by-step list of how to craft take-home objects; a scenography that caters for the likes and interests of kids... Are these boundaries too tight? Which ones could and should be redrawn? What would be the benefits? And what needs to be taken into account when doing so? This session's speakers will look at different boundaries set for small children in exhibitions and discuss with the audience how far we could and should push them. Speakers will each describe a different type of boundary (e.g. location, guidance and scenography)

and explain where they set limits and why. The workshop as a whole will redraw the boundaries for small children in science centres.

Convenor Christina Classen, Exhibition - Exhibits/Projects, Experimenta, Heilbronn, Germany.

Speakers Christian Haug, Supervisor Guest Services, experimenta, Heilbronn, Germany. **Davy Champion**, Scientific Staff, phaeno, Wolfsburg, Germany. **Elsa Bailey**, Director/Principal, Elsa Bailey Consulting, San Francisco, United States. **Christel Le Delliou**, Cultural Coordinator, Le Vaisseau, Strasbourg, France.

#EcsiteMakers

TINKERING EXPLORATIONS: CREATIVE COMPUTATION - WORKSHOP

Science ♥ society

14.30 - 15.45
The Idea Company - MakerSpace

In this hands-on tinkering session, we will explore computational tinkering, a playful open-ended approach to digital tools. We'll try out activities that combine crafting with physical materials with digital tools like block-based programming platforms and microcontrollers that connect coding with the physical world. Museum MakerSpaces are an open source community where people create and share environments, activities and new ideas. In this hands-on session, various makers will share activities that can support the learning of content, skills and practices in informal

science learning venues. This will be an opportunity to see how things might work in a drop-in makerspace, try out something new and learn from the makers of the Ecsite community.

Convenor Jon Haavie, Makerspace educator, Norwegian Museum of Science and Technology, Oslo, Norway.

Speakers May Sabbah, Educator, Science Centre Immaginario Scientifico, Trieste, Italy, @MayMaysab. , Web Designer, Science Centre Immaginario Scientifico, Trieste, Italy.

#GameLab

GAMIFYING THE SUSTAINABLE DEVELOPMENT GOALS - WORKSHOP

Learning | Science ♥ society

14.30 - 15.45
The Puzzler - GameLab

When it comes to the environment, it can be a challenge for us to go beyond education, through to engagement, all the way to advocacy. Join us for this dynamic, collaborative workshop session where you will experience a new set of tools: first as a participant, then as a leader. UNESCO have created flashcards on the Sustainable Development Goals. This simple tool is a perfect opportunity for science engagement organisations to engage the public alongside community stakeholders. The cards contain more than 200 questions ranging from systems approach to specific aspects of sustainability, allowing participants to explore each of the 17 SDGs in question-focused small group conversations, with the possibility of collaboratively identifying actions and solutions aimed at implementing the global goals in ways that are relevant to their lives and their communities. This is an effective way of engaging our communities on SDGs and creating a local sense of ownership.

To fully benefit from this unusual workshop, we invite you to arrive right on time, stay together to enjoy a coffee break in the Gamelab and get back to sharing concept and brainstorming until 17.00.

Convenors Manuel Cira, Head of International Relations, NAUSICAA National Sea Experience Centre, Boulogne-sur-Mer, France (also speaker). **Malvina Artheau**, Development & European Partnerships - RRI - LivingLab, Artheau Accompagnement, Toulouse, France, @MalvinaArtheau (also speaker).

Speakers Bernard Combes, Programme Specialist, Education for Sustainable Development, UNESCO, Paris, France. **Michael Creek**, Freelance Consultant, Brussels, Belgium, @brusselism (remotely).

#tour

MEDICAL MUSEION - 1 - GUIDED TOUR

14.30 - 15.45
Medical Museion

Take a guided tour through the past, present, and future of biomedicine at Medical Museion, a university museum that is internationally known for its experimental approach to science communication and exhibition making. Compare the collection of anatomical specimens from the 18th century to the present day in "The Body Collected"; experience "Genomic Enlightenment", sit at the feet of "Femme Vitale", and explore the connections between your feelings and your stomach in the award-winning exhibition "Mind the Gut".

Duration: 1.5 hours. This guided tour can accommodate up to 25 guests. Advance booking is required at the Conference's Information Desk (on the ground floor of Experimentarium). Meeting place: ticket desk of Medical Museion, which is located between Kongens Nytorv and Østerport stations, at Bredgade 62, Copenhagen. The tour starts immediately so please be on time.

#tour

ZOOLOGICAL MUSEUM - 2 - GUIDED TOUR

Exhibit development | Explainers & visitor services

15.00 - 16.30
Zoological Museum

Experience the atmospheric Zoological Museum on a guided tour. The tour will take you to a range of the Museum's highlights, including Denmark's only real giant dinosaur, "Misty", and the famous Whale Cellar, which is usually closed to the public.

Duration: 1.5 hours. This guided tour can accommodate up to 25 guests. Advance booking is required at

the Conference's Information Desk (on the ground floor of Experimentarium). Note that the museum closes at 16.00, so if you wish to see the exhibition by yourself, it should be before the tour starts. Registration at Experimentarium's Information Desk. Meeting place: Universitetsparken 15, Copenhagen. Meet in the shop of the Zoological Museum. The tour guide will meet and greet you 10 minutes prior to the tour.

#tour

COPENHAGEN GREEN LIFESTYLE

- WALKING TOUR

15.00 - 17.00
Dybbølsbro Station

Experience Copenhagen's green lifestyle, climate friendly cycling and other green solutions in the 'Kalvebod' waterfront neighbourhood. This area used to be very business-oriented with very little life, but that changed with "Kalvebod Bølge", which means "Kalvebod Wave", and is an urban space that brings the city closer to the water through waving and bending surfaces. Kalvebod Wave entices visitors to relax, participate in activities and have fun. We will, for example, be peeking into maritime gardens where mussels are cultivated. Across the water is Islands Brygge with its harbour bath and countless activities and if you feel like it, you are welcome to take a

swim. Starting at Dybbølsbro S-station, we will be walking down to the new "Cycle Snake" and along Kalvebod Brygge, passing by the rooftop terrace on the National Archives. The tour ends at the Blox building that houses the Danish Architecture Centre. The "Blox" promotes sustainable urban development in a broad sense.

Duration: 2 hours. This guided tour can accommodate up to 25 guests. Advance booking is required at the Conference's Information Desk (on the ground floor of Experimentarium). Meeting place: Dybbølsbro Station, 1705 Copenhagen.

ECSITE ANNUAL GENERAL MEETING

15.45 - 17.00
The Eatery

The Ecsite Annual General Meeting (AGM) is open to all Ecsite members. Only Full members of Ecsite have voting rights.

MAKING HYPERBOLIC SPACE WITH MARGARET WERTHEIM - WORKSHOP

Science ♥ society

16.00 - 17.45
Small Stage

Join keynote speaker Margaret Wertheim in this 2-hour hands-on session. This workshop is a perfect follow-up to her Mathematics as Material Play speech and to the Conversation session with her held earlier, but it is not mandatory to have attended these two previous sessions to enjoy the workshop. We have created a world of recti-linearity: the rooms we inhabit, the skyscrapers we work in, and the streets we drive on speak to us in straight lines. But outside our boxes, nature teems with swooping and crenellated forms. From the curling structures of corals and kelps to the frilled surfaces of lettuces and cacti, nature has a love affair with hyperbolic geometry – an alternative to the Euclidean variety we learn about in school. Yet while nature has been playing with hyperbolic forms for millions of years, human mathematicians spent centuries trying to prove they were impossible. The discovery of this

"pathological" geometry ushered in a revolution that led to the mathematics underlying general relativity and thus the structure of spacetime. In this delightful interdisciplinary event, Margaret Wertheim will introduce hyperbolic mathematics and lead a hands-on workshop in which participants get to construct their own hyperbolic models out of paper. All materials supplied. No prior experience needed. Similar workshops have been held at: Hayward Gallery (London), Art Center College of Design (Pasadena), Brown University (Rhode Island), University of Technology (Sydney), Music Center (Los Angeles), Mount Wilson Observatory (Pasadena) and many other places.

Speaker Margaret Wertheim, Director, Institute For Figuring, Los Angeles, United States, @margaretwerth.

#movie4

R.I.P. R.R.I. - PARODY BURIAL

Science ♥ society

17.00 - 17.45
MovieHouse Screen 4

With all the discussions and uncertainties around the European Commission's next Research & Innovation funding framework (the "Horizon Europe"), one thing is clear: Responsible Research and Innovation (R.R.I.) as a concept will be gone. Dear RRI, you will be dearly missed. Many millions of euros have been spent on fostering this concept in the EU, it has been the subject of numerous studies, analysis, work packages, mainstreaming, grounding actions - some still about to start... and now the European Commission is not even shedding a tear before laying it to rest (in peace?). This session will constitute a burial of RRI with all that comes with a burial: a ceremony, a coffin and a wake. Four speakers and a master of ceremony who have studied, implemented, experienced or

advocated for RRI will be asked to make a eulogy for the concept. At the end we will gather as a group to discuss the future of our field without the EU's support for RRI and public engagement.

Convenor Carmen Fenollosa, Senior Project Manager, Ecsite, Brussels, Belgium, @missfenollosa.

Speakers Maria Zolotonosa, Senior Project Manager, Sparks Project Coordinator, Ecsite, Brussels, Belgium. **Wiktor Gajewski**, Events Director, Copernicus Science Centre, Warsaw, Poland, @itsWiktor. **Frank Kupper**, Assistant Professor Science Communication, Athena Institute - VU Amsterdam, Amsterdam, The Netherlands, @frankkupper.

#lab4

TAKING RISKS: STRATEGIES FOR PERSONAL, PROFESSIONAL AND INSTITUTIONAL CHANGE - PANEL

Strategy & vision

17.00 - 17.45
Lab 4 + 5

The act of risk taking is of increasing importance in both our professional and personal lives. This session will ask the following questions: What is risk? Why do we take risks? What is failure? What does risk-taking look like from an institutional level? How does your perspective on risk change throughout your career? Participants will be given a worksheet that will parallel the conversation, asking them to identify their goals, fears, and vision of success and will be invited to engage in group activities to brainstorm on risk-taking strategies. What risks are you willing to take? Panellists will briefly share their own risk-taking journey, how they decided to take their risks and what the outcomes have been. The conversation will then shift to discuss what risk looks like from an organisational standpoint, which requires not only personal vision, but also institutional support. Panellists will share strategies in relation to "controversial" or "sensitive" topics and discuss how they socialised their risk-taking strategies with both board

and staff. They will also discuss how their risk-taking philosophies have changed as they moved into senior leadership roles.

Convenor Hillary Spencer, Director, Nomad Exhibitions, Nomad Exhibitions, New York, United States (also speaker).

Speakers Julie Leclair, Director, Travelling Exhibitions, Ingenium - Canada's Museums of Science and Innovation, Ottawa, Canada, @juliecmstmc. **Carina Jaatinen**, Head of Exhibitions, Heureka - The Finnish Science Centre, Vantaa, Finland. **Gretchen Baker**, Vice President of Exhibitions, Natural History Museum of Los Angeles County, Los Angeles, United States. **Francesca Polo**, Executive Director, Vastari Group, London, United Kingdom.

#island

A MARKETPLACE OF FREE AND OPEN OPPORTUNITIES - BROKERAGE EVENT

Strategy & vision | Learning

17.00 - 17.45
The Island

Would you like to know about an open project looking for partners? About an exhibition that you could host for free? About educational resources that can be grabbed and used with no fee, or even with associated benefits? About a European consortium that you could join for the next EU-funded calls? About a global campaign that you could be part of? About a free online tool to map your city or build an exhibition? In this open session, numerous members of the Ecsite community will share opportunities that are open to other participants. No commercial offer, no sharing

of results: only open and free opportunities: tools, resources, projects, funding, campaigns, support... During the session all presenters will briefly introduce the opportunities they offer and their potential benefits. We will keep 10 minutes at the end for participants to mingle with presenters, express interest and share ideas or business cards...

Convenor Didier Laval, Public Engagement Associate, University of Bristol, Bristol, United Kingdom, @DidierLaval.

#helix

SUSTAINABLE DEVELOPMENT GOALS IN ACTION: SHARING CASE STUDIES - WALK AND TALK

Learning

17.00 - 17.45
Helix Staircase (2nd floor)

Meet at the bottom of Experimentarium's iconic helix staircase for a playful and entertaining session on the if and how of implementing the United Nations' 17 Sustainable Development Goals (SDGs) in our science centres and museums. How far are they embedded in our science engagement daily practice? The staircase will act as a metaphor for climbing the "peak of sustainability": starting from the bottom step, we will climb 17 steps for 17 goals, exchanging and learning from each other on the way. Join this session to be inspired by peers' practical examples, to share your experience, to pick up new ideas and take them back to your own organisation.

Convenor Vesna Pajić, Project Manager, The House of Experiments, Ljubljana, Slovenia.

Speakers Dagmara Szawdyn, Head of Science and Art Events Lab, Copernicus Science Centre, Warsaw, Poland. **Karsten Madsen**, Education Supervisor, Experimentarium, Copenhagen, Denmark. **Antonia Caola**, Head of Communication, International Collaborations, Marketing & PR, MUSE - Museo delle Scienze, Trento, Italy. **Friso Visser**, Education and Exhibitions / Deputy Director, Museum, The Hague, The Netherlands.

#roofindoor

IN THE SHOES OF A BLIND PERSON - WORKSHOP

Equity & Inclusion | Exhibit development

17.00 - 17.45
Rooftop Indoor

A blindfolded experience to grasp visual accessibility requirements. During the whole workshop you become visually impaired, being blindfolded or wearing special glasses. In this situation, you will discover how to go from the entrance of Experimentarium to an exhibition space that you will then visit. Those who wear visually impairing glasses will be able to guide their blindfolded peers and roles will be switched midway. A collective feedback discussion will take place at the end of the session and speakers will each offer a short talk about their own museum's experience.

Convenor Christelle Guiraud, Exhibit Developer and-Curator, Universcience, Paris, France.

Speakers Nathalie Joncour, Accessibility Expert (visually impaired people), Universcience, Paris, France. **Anna Riethus**, Scientific Project Management, Neanderthal Museum, Mettmann, Germany, @ARiethus.

#EcsiteMakers

MEET THE MAKERS - WORKSHOP

Science ♥ society

17.00 - 17.45

The Idea Company - MakerSpace

In this drop-in session, take the opportunity to meet with fellow museum professionals and makers and learn about all things tinkering and making. Come by at any time during the session to explore the Ecsite Conference's MakerSpace, hang out with educators and leaders involved with making and tinkering initiatives in science engagement organisations all over the world and hear about their first-hand experiences. It's a perfect way to take a break from your busy conference schedule to network, get inspired and maybe even do a little making yourself.

Convenors **Monika Mayer**, Principal, Mayer Museum Consulting, Berkeley, United States, @MonikaGMayer. **Daniel Rosqvist**, Science Center Manager, Tekniska museet - The National Museum of Science and Technology, Stockholm, Sweden.

#GameLab

DROP IN AND PLAY - OPEN PLAY

Science ♥ society

17.00 - 17.45

The Puzzler - GameLab

The GameLab is an informal space dedicated to gaming. It will be open throughout the three days of the Ecsite Conference (even during coffee and lunch breaks). It is a drop-in space, with an exciting mix of workshops and demonstrations as well as games to play and game makers to meet. Bring your curiosity and sense of fun. Visit the GameLab and its dedicated team. Ask questions, sit and play by yourself, with friends or strangers or bring a game you like and share it. Meet friends, have coffee, play games, make games, relax, refocus and recharge.

Convenors **Kate Kneale**, Director, HKD, Margate, United Kingdom, @knealek. **Malvina Artheau**, Development & European Partnerships - RRI - LivingLab, Artheau Accompagnement, Toulouse, France, @MalvinaArtheau. **Ran Peleg**, Curriculum Developer and Project Manager, EdQuest UK, London, United Kingdom. **Daniela De Angeli**, Research Associate, University of Bath, Bath, United Kingdom.

BUSINESS BISTRO HAPPY HOUR - SOCIAL EVENT

18.00 - 19.00

Business Bistro

A networking highlight! Ecsite invites all participants to come together for a drink among exhibitors' booths. Traditionally, exhibitors bring specialities from their home countries.

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NOCTURNE

Experimentarium science centre

Friday 20.00 – 00.00

Explore all the hidden corners of Experimentarium, enjoy a rich programme of maritime-themed science engagement activities, listen to the Ecsite Jazz Band and join us in a collective explosion of joy to celebrate Ecsite's 30th anniversary.

The Nocturne will combine mind-blowing live demonstrations, experiments, shows and maritime-themed bars and meals. You will be able to explore all of Experimentarium's exhibitions and engage with exhibition developers throughout the building. The brand new Maritime Observatory on the very top of Experimentarium with a view over the sea and to Sweden will open during the Nocturne.

A detailed programme will be available onsite. Dinner will be available at several food points.

Recommended dress code: casual. Bring comfortable shoes. As for all events, don't forget to have your conference badge with you.



SATURDAY

8 June 2019

#roof

LIGHT YOGA ON THE ROOF - 2 - LIGHT YOGA

8.00 - 8.50

Rooftop

Join us for light yoga on the roof of Experimentarium. Get ready for the conference day with a short yoga workout on the roof before sessions begin. All you need to bring is clothes you can comfortably move in.

#largestage

ATMOSPHERICS & EXHIBITION DESIGN

- PANEL

Exhibit design | Research, theory & evaluation

9.00 - 10.15

Large Stage

Personalisation, storytelling, participatory strategies: the exhibition designer of the 21st century needs to know all these techniques to communicate science information effectively. But what about the role of atmospherics? How does it interact with other elements in the exhibition? Many studies highlight the role of atmosphere in cognitive and emotional processes and show that it has a great impact on how visitors experience an environment. However, research in the museum field is limited. In this session, three speakers who have created an atmosphere in an exhibition and/or researched the effect of this atmosphere will share their insights and do's and don'ts.

Convenor Koen Peters, Teacher Physics, HvA, Amsterdam, The Netherlands.

Speakers Eugeen van Wees, Project Manager Exhibitions, NEMO Science Museum, Amsterdam, The Netherlands. **Catherine Murphy**, Audience Analyst, The Natural History Museum, London, United Kingdom. **Pepijn Wilbers**, Creative Partner, Studio Louter, Amsterdam, The Netherlands.

#smallstage

SCIENCE SHOWS WITH NARRATIVES

- LIVE SHOWS + DISCUSSION

Exhibit development | Learning

9.00 - 10.15

Small Stage

Narratives are well known as drivers for learning, but they can be hard to present in exhibitions with free visitor flow. On the other hand, shows are much appreciated among science centre and museum visitors and with a seated audience we get a better chance to unfold narratives.

In this session, four science centres will share the challenges, limitations and opportunities they encountered in developing science shows with a narrative. You will experience two of the science shows live and be invited to take part in a conversation with the people behind them. Together we will explore how narratives in shows can strengthen our reflections on science and whether narratives suit some science topics better than others.

Convenor Anne Viberg Pedersen, Communication Coordinator, Experimentarium, Copenhagen, Denmark.

Speakers Griet Bouciqué, Storyteller / Edutainer, Technopolis, the Flemish Science Centre, Mechelen, Belgium. **Marilena Pace**, Senior Public Engagement Officer, International Centre for Life, Newcastle upon Tyne, United Kingdom. **Marta Iglewska**, Head of CSC Demo Group, Copernicus Science Centre, Warsaw, Poland. **Danielle Grandeville**, Education Supervisor, Experimentarium, Copenhagen, Denmark.

#movie1

TINKERING: NEW DIRECTIONS FOR RESEARCH AND PRACTICE - PANEL

Learning | Research, theory & evaluation

9.00 - 10.15 MovieHouse Screen 1

One of the shared aims of Tinkering is to help immerse people in a learning experience that can be highly inclusive. This session “theorises” Tinkering and MakerSpaces, demonstrating how different theoretical lenses reveal different aspects of learning that may or may not be possible in Tinkering spaces. Integrating perspectives from both research and practice, this session will span theories of equity, social justice, and science capital.

Convenor Bronwyn Bevan, Senior Research Scientist, University of Washington, Seattle, Washington, United States, @brwynbevan (also speaker).

Speakers Maria Xanthoudaki, Director of Education and of the Centre of Research in Informal Learning, National Museum of Science and Technology ‘Leonardo da Vinci’, Milan, Italy, @xxanthoudaki. **Heather King**, Research Fellow, King’s College London, London, United Kingdom.

#movie2

THE EXPLAINER IN ME - REVERSE

Explainers & visitor services | Strategy & vision Back to basics

9.00 - 10.15 MovieHouse Screen 2

Every day on our venues’ floors explainers engage in a direct interaction with the public. But, frequently, our institutions include more “explainers” than we acknowledge: many professionals started their careers as explainers, and then moved on to being exhibit designers, programme developers, and project managers, etc. maybe some are now even working as marketing or human resources professionals. Do any traits of former explainers survive? Much more than a nostalgic remembrance of participants’ past roles as explainers, this reverse session aims to explore the knowledge, skills and professional acumen developed by professionals when they were explainers - an experience they consider essential in their new capacities.

During the discussion we will explore the transferable

competencies of explainers, and how training and practices of explainers are relevant and can be used by other professionals.

This session is organised by the Facilitation Group, the Ecsite thematic group dedicated to building a community for all staff who deliver learning experiences within a museum or science engagement organisation. The session is open to all - please take part!

Convenors Catherine Oualian, Trainer, Universcience, Paris, France, @EstimMediation. **Antonio Gomes da Costa**, Director of Scientific Mediation and Education, Universcience, Paris, France.

Speakers Giovanni Crupi, Director of Development, National Museum of Science and Technology ‘Leonardo da Vinci’, Milan, Italy. **Brad Irwin**, Head of International Partnerships, The Natural History Museum, London, United Kingdom, @NHM_Global. **Evanthia Ioannidou**, Exhibit Developer and Curator, Universcience, Paris, France. **Joanna Kalinowska**, Development Director, Copernicus Science Centre, Warsaw, Poland.

#movie3

SCIENCE ON WHEELS AND SOCIAL INCLUSION - REVERSE

Explainers & visitor services | Equity & Inclusion

9.00 - 10.15 MovieHouse Screen 3

Taking science centre activities outside our buildings and into vans and buses is not completely new, but this practice has evolved over the past few years: there is a deeper awareness of the social inclusion agenda and its impacts on our organisations. Science centres and science engagement organisations are not just introducing the usual informal learning activities - they are inventing new formats for new settings, and experimenting with new ways of interacting with people. Moreover, our science vans seem to venture more and more towards the most remote (and/or neglected) villages and urban areas. This session will start with short case study pre-

sentations and most of the time will be dedicated to sharing experiences with the participants. Other organisations running similar projects will be invited to participate and together we will draw up a list of points for attention.

Convenor Paola Rodari, Towards ESOF 2020 Trieste “Science in the City” Programme Manager, Trieste International Foundation for Scientific Progress and Freedom, Trieste, Italy.

Speakers Giacomo Sanna, Founder / Art and Communication Director, Dotik, Cagliari, Italy. **Massimiliano Trevisan**, Science Communicator, Psiquadro, Province of Perugia, Italy. **Andreja Perat**, Project Manager, The House of Experiments, Ljubljana, Slovenia.

#movie4

BY THE VISITOR, FOR THE VISITOR AND WITH THE VISITOR - REVERSE

Science ♥ society | Exhibit development

9.00 - 10.15 MovieHouse Screen 4

How do we work collaboratively with our audiences, within the walls of our organisations and outside them? This session will present ideas from the forefront of audience engagement which reflect the social value of science centres in their role to provide opportunities for citizen science to flourish and have meaning. If the benefits in community-based collaborative projects are truly reciprocal and mutual, then the control of the project will be more equal and the participating museum or science centre will be playing a supporting role rather than a controlling one. This requires a level of trust on both sides, which is built up through long-term engagement. Consultation with communities is a first step but we are looking beyond that, at the relationship of trust that gives communities a real voice in the project and empowers them. This session takes a deep dive into methodologies for community engagement with examples from organisations with differing aims and strategies. Come along, join the discussion and help

us understand the pathway towards ever deeper participation - the true meaning of co-curation/co-production.

Convenor Lizzy Moriarty, Audience Engagement Advisor, Lizzy Moriarty, London, United Kingdom.

Speakers Enrico Tombesi, CEO G-LAB, Fondazione Golinelli, Bologna, Italy. **Gillian Roddie**, Education and Learning Manager, Science Gallery, Trinity College, Dublin, Ireland. **Melanie Davies**, Events & Research Coordinator, Science Gallery London, London, United Kingdom. **Emily Sargent**, Senior Curator, Wellcome Collection, London, United Kingdom. **Bernadette Schrandt**, Researcher Experience Design in Museums, Amsterdam University of Applied Sciences, Amsterdam, The Netherlands, @bschrandt.

#lab4

RETHINKING THE USE OF COLLECTIONS FOR SOCIAL INCLUSION - PANEL

Collections | Equity & Inclusion

9.00 - 10.15
Lab 4 + 5

The role of museums is changing rapidly. Nowadays, museums are not just knowledge and educational institutions, but are also taking on social, economic, cultural and environmental responsibilities. This is part of a movement away from the classical elitist museum towards socially inclusive and democratic cultural institutions that seek to be relevant for more different kinds of people. Science and technology collections have historically often reflected triumph and progress and allowing collections to keep up with rapid change and the growing need for social inclusion is not easy. What is the role of collections in contemporary science, technology and natural history museum practice? How do we develop new

approaches in order to engage more kinds of citizens in our subject and our institutions?

Convenor Johanna Vähäpesola, Head of Exhibitions and Learning, Museum of Technology, Helsinki, Finland.

Speakers Jacob Thorek Jensen, Museum Curator, Danish Museum of Science & Technology, Elsinore, Denmark. **Daniel Martin**, Head of Curatorship and Curator of Making, Derby Museums, Derby, United Kingdom, @curatordaniel. **Riina Linna**, Producer, Museum of Technology, Helsinki, Finland, @RiinaLinna. **Marianne Achiam**, Associate Professor, Department of Science Education, University of Copenhagen, Copenhagen, Denmark, @marianneachiam. **Clare Meakin**, Science Engagement Manager, National Museum of Scotland, Edinburgh, United Kingdom.

#beach

UNIVERSITIES AND SCIENCE CENTRES: SPEED DATING - WORKSHOP

Research, theory & evaluation Science ♥ society

9.00 - 10.15
The Beach

Collaborations between science centres and universities can provide effective routes to success, as well as rewarding experiences for both sides. But where to start? What to aim for? How to build the necessary bridges? Answers to these questions often depend on individual factors, such as local opportunities, existing connections, or specific aims. In addition, there is never only one right answer on how to build successful collaborations. During our speed dating session, you will receive fast expert answers to your most pressing questions around collaborations between science centres and universities. After a brief introduction, you will get some time to formulate your questions. You will then meet with 10 different speakers in a speed dating format, each of them giving targeted individual responses to your query. The session will end with a brief collective Q&A to review some of the most interesting topics raised or answers given.

Convenor Joana Lobo Antunes, Head of Communication Office, ITQB NOVA, Oeiras, Portugal, @JoanaLoA.

Speakers Gioia Mosler, Head of Global Health Group and Community Engagement, Queen Mary University of London, London, United Kingdom, @GioiaMosler. **Malvina Artheau**, Development & European Partnerships - RRI - LivingLab, Artheau Accompagnement, Toulouse, France, @MalvinaArtheau. **Daniela De Angeli**, Research Associate, University of Bath, Bath, United Kingdom. **Iain Coleman**, Research Engagement Manager, Editage, London, United Kingdom. **Liesbeth de Bakker**, Lecturer in Science Communication, Utrecht University, Utrecht, The Netherlands. **Derek Fish**, Director, Unizulu Science Centre, Richards Bay, South Africa. **Natt Day**, Learning and Outreach Officer, Queen Mary University of London, London, United Kingdom, @Nattatouillez. **Robert West**, President, Informal Learning Experiences, Denver, United States, @ileinc1. **Indrayani Ghangrekar**, Learning and Outreach Officer, Queen Mary University of London, London, United Kingdom, @DrIndiG.

#theater

GENDER EQUITY AND TOOLS FOR CHANGE: A CALL FOR PERSONAL ACTION

- REVERSE

Equity & Inclusion | Strategy & vision

9.00 - 10.15
The Interactive Theater

How do we navigate the shifting power structures in today's museums and science centres? All staff will recognise what appears to be a tipping point in the global movements and gender dynamics of today's world. This session's speakers will address this shifted context and offer practical solutions on tackling evolving personal and organisational conversations about gender equity and inclusiveness. This is a call for committed personal action to positively impact the need to make our organisations better places in which to thrive. A set of clear actions going forward will form the basis of a 'toolkit' for our professional community to create and sustain a more gender-equitable field. Why? Because we owe

it to ourselves and we must set an example for our communities and society.

Convenor Audrey O'Connell, Museum Consulting, Audrey O'Connell + Associates, Seattle, United States, @AudreyinSeattle.

Speakers Sarah Durcan, Global Operations Manager, Science Gallery International, Dublin, Ireland, @sarahdurcan. **Carina Halvord**, CEO, Universeum AB, Gothenburg, Sweden. **Cynthia Brown**, Senior Director, Projects, Phillip & Patricia Frost Museum of Science, Miami, United States, @missthiabrown.

#EcsiteMakers

TINKERING EXPLORATIONS: NEW PATHWAYS

- WORKSHOP

Science ♥ society

9.00 - 10.15
The Idea Company - MakerSpace

In this hands-on tinkering session, we will explore the ways in which the tinkering approach can be applied to subjects beyond the usual physics explorations. In this experimental session you can try out tinkering investigations related to biology, chemistry and other scientific disciplines. This year at the Ecsite Conference's MakerSpace we are opening a series of informal dialogues on topics that are important to the maker community. When we think back and remember times when we received unexpected tips on how to operate our space, found a great collaborator or discovered new practices we remember that an informal conversation between sessions led to these new ideas. Whether you are a MakerSpace pro or a complete newcomer, join these active discussion sessions and get new perspectives on making and tinkering in museums.

Convenors Juanita Schläpfer-Miller, Outreach Manager, ETH Zürich, Plant Science Center, Zürich, Switzerland, @plantsscicenter (also speaker). **Meie van Laar**, Head of Education & Research, Science Learning Center, NEMO Science Museum, Amsterdam, The Netherlands, @meiegeerlings.

Speakers Samar D. Kirresh, Senior Researcher-Science Studio, A. M. Qattan Foundation, Ramallah, Palestinian Territory.

#GameLab

ESCAPE ROOM DEMONSTRATION - WORKSHOP

Exhibit development | Learning

9.00 - 10.15

The Puzzler - GameLab

Escape games are a popular cultural phenomenon and this phenomenon has not bypassed the Ecsite community and Conference: in 2018 the Conference hosted a first Escape room demonstration. Whether you missed it last year or were lucky enough to make it to the oversubscribed session, join us and see how we've expanded our ideas.

New puzzles, new technology, new ideas! For this session, the GameLab space will turn into an escape room: a game in which participants are confined to a room and must solve puzzles to successfully escape within a certain time frame. The game will be made up of pieces of each of the speakers' own escape game so you can see a range of puzzles and styles. Suggestion: also attend the "Escape rooms and learning: evaluation results" panel at 12:00.

Convenor **Kate Kneale**, Director, HKD, Margate, United Kingdom, @knealek.

Speakers **Ran Peleg**, Curriculum Developer and Project Manager, EdQuest UK, London, United Kingdom. **Malka Yayon**, Chemistry Teacher and Trainer, Katzir High School and Weizmann Institute of Science, Rehovot, Israel. **John Sear**, Real-world Game Designer, Museum Games, Birmingham, United Kingdom, @mrjohnsear. **Claudia Sodini**, Teacher, k-production, Viareggio, Italy, @claudiasodini. **Yael Bamberger**, Experiential Learning Spaces Developer & Designer, EdQuest - Twist in Education, Haifa, Israel.

#tour

BOTANICAL GARDEN

- 2 - GUIDED TOUR

9:00 - 10:30

Botanical Garden

Experience the most beautiful oasis of the city, the Botanical Garden, on a guided tour through the largest living plant collection in Denmark. In summer, the gardens are in full flower and during the tour you will be shown plants at their most extraordinary, both outside and in the lush greenhouses.

Duration 1.5 hours. This guided tour can accommodate up to 25 guests. Advance booking is required at the Conference's Information Desk (on the ground floor of Experimentarium). Meeting place: Gothersgade 128, Copenhagen. Meet by the main entrance to the Botanical Garden near Nørreport Station, in front of the flower shop. The tour starts immediately so please be on time.

#tour

MEDICAL MUSEION

- 2 - GUIDED TOUR

10.00 - 11.30

Medical Museion

Take a guided tour through the past, present, and future of biomedicine at Medical Museion, a university museum that is internationally known for its experimental approach to science communication and exhibition making. Compare the collection of anatomical specimens from the 18th century to the present day in "The Body Collected"; experience "Genomic Enlightenment", sit at the feet of "Femme Vitale", and explore the connections between your feelings and your stomach in the award-winning exhibition "Mind the Gut".


Duration: 1.5 hours.

There can be up to 25 guests on this guided tour.

Advance booking is required, at the Conference's Information Desk (on the ground floor of Experimentarium).

Meeting place: ticket desk of Medical Museion, which is located between Kongens Nytorv and Østerport stations, at Bredgade 62, Copenhagen. The tour starts immediately so please be on time.

KEYNOTE - AUDREY DUSSUTOUR

The Kavli Foundation keynote lecture THE  KAVLI FOUNDATION

Science ♥ society

10.30 - 11.30

Live from the Large Stage, streamed to several locations in the building

The blob: a genius without a brain. Audrey Dussutour is a Researcher at the Research Centre on Animal Cognition of Toulouse University, France. Her unit works on animal cognition, neuroscience, animal behaviour and computational biology. Audrey's most recent work focuses on proto-cognition in slime moulds, these intriguing single-cell eukaryotic organisms that, in line with this year's "Pushing boundaries" conference theme, don't really fit in a box. Her group's recent studies suggest that slime moulds may be an ideal model system in which to investigate funda-

mental mechanisms underlying the ground-floor of learning abilities, as they are able to learn and share knowledge without the help of a brain. Audrey's talk will focus on slime moulds and more specifically on the idea that cognitive abilities might pre-date the evolution of nervous systems. Expect gorgeous footage, as she is currently shooting a movie on slime moulds. Don't miss the "Conversation session" with Audrey Dussutour in the next session slot.

Speaker Audrey Dussutour, CNRS Researcher, CNRS, Toulouse, France, @Docteur_Drey.

#largestage

PARTNERING WITH UNIVERSITIES: DANCING TANGO? - PANEL

Strategy & vision

12.00 - 13.15
Large Stage

Science centres and universities differ in many respects: policies, objectives, commitment to dissemination, organisation, speed, flexibility, partners, dedicated budgets... Both types of organisations have their own complexities, but are they able to dance tango together?

This session's speakers managed to "cross the bridge", meeting people from a different environment and collaborating in the creation of a project the strength and uniqueness of which is the result of this "mix of cultures". Throughout the session, an interactive poll will tease participants' brains: the speakers will ask for feedback during their talks (quizzes, questions, ideas, comments) and the results will be displayed live. A chronological abstract will be generated.

Convenor Thierry Brassac, Head of Science/Culture Dpt, Montpellier University / Service Culture Scientifique, Montpellier, France, @thierrybrassac.

Speakers Anne Land, Assistant professor, Leiden University, Leiden, The Netherlands, @annemland.
Jo Bowler, Media and Public Relations Manager, Wyss Center for Bio and Neuroengineering, Geneva, Switzerland, @Wysscenter. **Matteo Merzagora**, Director, TRACES / Espace des Sciences Pierre-Gilles de Gennes, Paris, France, @happymmerz.

#smallstage

CONVERSATION WITH AUDREY DUSSUTOUR - Q&A

Strategy & vision

12.00 - 13.15
Small Stage

Your opportunity to discuss slime moulds, animal cognition and more with keynote speaker Audrey Dussutour after hearing her speech in the previous time slot.

Convenor Dorothée Vatinel, Curator, Universcience, Paris, France.

Speaker Audrey Dussutour, CNRS Researcher, CNRS, Toulouse, France, @Docteur_Drey.

#movie1

INCLUSIVE INFORMAL SCIENCE LEARNING FOR MINORITISED YOUTH - PANEL

Equity & Inclusion | Science ♥ society

12.00 - 13.15
MovieHouse Screen 1

We believe the most important boundaries to push in informal science learning (ISL) today are those that systematically exclude youth of colour and youth from low-income backgrounds. Youth Equity and STEM (YESTEM) is a 4 year, UK-US based practice/ research collaboration exploring what inclusive ISL practices might be and how they work for minoritised youth, aged 11-14.

Across four practice sites in the UK and four in the US (including community clubs, zoos, science centres and museums), youth researchers spent the first year exploring their own experiences of life, science and ISL. Researchers worked closely with practitioners in the second year, who reflected on and shared examples of their work. Drawing on these experiences, we

are co-developing and refining inclusive ISL practices across eight practice sites, four cities and our two countries. Through this process we are developing research-based, inclusive ISL practices that recognise and value the needs and assets of minoritised youth.

Convenor Barbara Streicher, Executive Manager, Science Center Netzwerk, Vienna, Austria.

Speakers Emily Dawson, Associate Professor, University College London, London, United Kingdom, @emilyadawson. **Jo Bryant**, Community Engagement and Volunteer Manager, We The Curious, Bristol, United Kingdom. **Vanessa Mignan**, Head of Education and Public Engagement, TRACES / Espace des Sciences Pierre-Gilles de Gennes, Paris, France, @vanessmall. **Marianne Achiam**, Associate Professor, Department of Science Education, University of Copenhagen, Copenhagen, Denmark, @marianneachiam.

#movie2

BRAIN TECHNOLOGY, ETHICS AND THE PUBLIC - PANEL

Science ♥ society

12.00 - 13.15
MovieHouse Screen 2

Today's neuroscientists often wear the hats of philosophers and humanists, asking powerful questions and sparking ethical debates on the very nature of reason, free will, and the mind. At the same time, rapid advances in neuroscience are outpacing science communication efforts, sometimes fuelling specious interventions and opinions. As innovation unfolds on a global stage, are neuroscience engagement practices keeping up?

The societal and ethical implications of neuroscience are the entry point into brain research for many interested citizens. Thus, public engagement around societal values is essential for starting conversations at trusted organisations and informing the direction of science.

Designed to create a dialogue and solicit feedback, this session will feature neuroscience, neuroethics,

and public engagement leaders who will discuss the cutting edge of global brain research and the current landscape of neuroethics engagement.

Convenor Brooke Smith, Director of Public Engagement with Science, The Kavli Foundation, Los Angeles, United States, @brookesimler.

Speakers Karen Rommelfanger, Director, Neuroethics Program, Emory University Center for Ethics, Atlanta, United States. **Darrell Porcello**, Director of STEM Networks and Partnerships, Children's Creativity Museum / (U.S.) National Informal STEM Education Network, San Francisco, United States. **Jo Bowler**, Media and Public Relations Manager, Wyss Center for Bio and Neuroengineering, Geneva, Switzerland, @Wysscenter.

#movie3

ESCAPE ROOMS AND LEARNING: EVALUATION RESULTS - PANEL

**Exhibit development | Research, theory
& evaluation**

12.00 - 13.15
MovieHouse Screen 3

Escape rooms are non-virtual games that have gained huge popularity in recent years as a leisure experience. The trend has also made its way into the world of science museums and science centres and the 2018 Ecsite conference hosted a panel on "Escape games: an inspiration for science communication?", in which a variety of escape games in science learning was presented. A year on and we are wiser and more experienced. We would like to share not only what we do, but also take a deeper look at the learning outcomes of our games. In this session we will present evidence-based evaluation results from several escape rooms and show how our find-

ings compare with the intended learning outcomes "promised" last year.
Suggestion: also attend the Escape room demonstration at 9:00 to get a real escape room experience.

Convenor Dorit Wolenitz, Museum Director, Man and the Living World Museum, Ramat-Gan, Israel.

Speakers Armin Duff, Head of Education, Swiss Science Center Technorama, Winterthur, Switzerland. **Ran Peleg**, Curriculum Developer and Project Manager, EdQuest UK, London, United Kingdom. **Yael Bamberger**, Experiential Learning Spaces Developer & Designer, EdQuest - Twist in Education, Haifa, Israel. **Malka Yayon**, Chemistry Teacher and Trainer, Katzir High School and Weizmann Institute of Science, Rehovot, Israel. **Sami Pihkala**, Exhibition producer, Heureka - The Finnish Science Centre, Vantaa, Finland, @ideasail. **Shelley Rap**, Senior Intern, Weizmann Institute of Science, Rehovot, Israel.

#movie4

THE FUTURE OF SCIENCE CENTRES: TOWARDS 2030 AND BEYOND - REVERSE

Strategy & vision | Learning

12.00 - 13.15
MovieHouse Screen 4

Where are science centres headed? In November 2018, 25 science centre leaders convened together with 25 local professionals for a weeklong workshop in Israel, discussing the future of our field. Intense discussions led to the formation of four working groups whose continuous work will be highlighted in this session: what is the impact and relevance of our science centres as we look into the future? How can we develop the next generation of science centre professionals and audiences? How can advanced technology develop our field? How can the field engage with developing countries? Topics included: new models in STEM education; links between formal and informal education; interactive offers and new technologies as the next phase following exhibitions; science centre roles in developing cultural concepts and as honest brokers of science

communication; how to stimulate the development of science centres and science engagement activities in the developing world; the issue of whether teenagers deserve a new approach; and the opportunities of longevity.

Convenor Ronen Mir, Director - Schwartz-Reisman Science Education Centers, Clore Garden of Science - Davidson Institute of Science Education, Rehovot, Israel.

Speakers Robert Firmhofer, CEO, Copernicus Science Centre, Warsaw, Poland. **Derek Fish**, Director, Unizulu Science Centre, Richards Bay, South Africa. **Linda Conlon**, Chief Executive, International Centre for Life, Newcastle upon Tyne, United Kingdom. **Maya Halevy**, Director, The Bloomfield Science Museum Jerusalem, Jerusalem, Israel. **Maurice Bitran**, CEO and Chief Science Officer, Ontario Science Centre, Toronto, Canada. **Netzach Farbiash**, CEO, Carasso Science Park, Be'er Sheva, Israel. **Kim Gladstone Herlev**, Executive Director, Experimentarium, Copenhagen, Denmark, @experimentarium.

#lab4

RIGHTFUL PRESENCE: CREATING INCLUSIVE ORGANISATIONAL CULTURES - WORKSHOP

Strategy & vision | Equity & Inclusion

12.00 - 13.15
Lab 4 + 5

Institutional priorities and decisions emerge through a broad range of factors. It is rare that all staff members feel that they are shaping institutional directions. But are they supported in contributing to these directions and do they feel heard? Are they supported in experiencing a sense of "rightful presence" in the organisation, where who they are, what they know and care about are seen as contributions to the organisation's mission and activities? Are they supported in understanding when decisions are made that may or may not reflect their input? In this session we will share research and practice on how to build organisational cultures in which all staff members can experience a sense of rightful presence, a term we borrow from critical justice studies

of borderland, refugee, and immigrant communities. Two leaders will share how they structure leadership opportunities within their organisations and share research on how to recognise and navigate power structures. The majority of the session will be spent in multiple interactive configurations, using novel meeting design methods.

Convenor Bronwyn Bevan, Senior Research Scientist, University of Washington, Seattle, Washington, United States, @brwynbevan.

Speakers Sharon Ament, Director, Museum of London, London, United Kingdom, @SharonAment. **Guy Labine**, Chief Executive Officer, Science North, Sudbury, Canada.

#lab7

MANAGING UP: A LEADERSHIP TOOL FOR MIDDLE MANAGERS - WORKSHOP

Strategy & vision | Learning

12.00 - 13.15
Lab 7

Every manager, whether a first-time one or a CEO, can achieve greater impact if they have a good working relationship with their own manager. Agreement on strategic projects as well as daily tactical work are critical and can occur most easily when we are competent at "managing up." This is especially important if initiatives have not received initial support from managers above. This workshop session will provide a brief theoretical background on managing up from the world of business, followed by a set of 5-minute case study presentations introducing practical tools and examples of their use. Next, we will break into small groups for peer-to-peer discussion of what works best, including role play opportunities. While in groups, participants will be able to experiment with different strategies, enriching their palette of options for negotiating and

achieving a green light for important initiatives. The session will finish with a practical tips report from each group.

Convenors Gillian Thomas, Consultant and President Emerita, Phillip and Patricia Frost Museum of Science, Monaco, (also speaker). **Charlie Trautmann**, Director Emeritus, Sciencenter, Ithaca, United States, @Chtrautmann, (also speaker). **Leigh-Anne Stradeski**, Chief Executive, Eureka! The National Children's Museum, Halifax, United Kingdom, @lastradeski. (also speaker)

Speakers Kirsten Ellenbogen, President & CEO, Great Lakes Science Center, Cleveland, Ohio, United States. **Hanne Haack Larsen**, COO, Experimentarium, Copenhagen, Denmark.

#beach

INVISIBLE ISSUES: WHAT ARE WE FORGETTING? - WORKSHOP

Equity & Inclusion | Science ♥ society

12.00 - 13.15
The Beach

Before being pushed, boundaries need to be perceived, identified, and named openly. The most challenging boundaries are the invisible ones, which we have not learned to spot. In science engagement programmes and exhibitions, what topics are we forgetting to discuss? What issues are being forgotten, which people are being made invisible? This session will tackle these invisible issues, and discuss why we are forgetting them: are we too shy, do we lack awareness, or do they simply involve too much risk? What is at stake when we include or exclude these topics from our work and perception? We will reflect on the stakes and reasons for ignoring or tackling hidden topics, and outline the challenges and benefits, both for our audiences and our teams, that arise when shedding light on issues that have been rendered invisible. After a series of very short

presentations, participants will gather in small thematic groups, to identify hidden topics, understand why we forget them, stress the challenges they raise with internal teams or funders, and share the issues experienced with audiences, etc.

Convenor **Didier Laval**, Public Engagement Associate, University of Bristol, Bristol, United Kingdom, @DidierLaval.

Speakers **Vesna Pajić**, Project Manager, The House of Experiments, Ljubljana, Slovenia. **Amparo Leyman Pino**, Principal, Yellow Cow Consulting, San Francisco, United States, @ampisquelinda. **Sheena Laursen**, Programme Manager - International Relations and Learning, Experimentarium, Copenhagen, Denmark, @experimentarium. **Andrea Bandelli**, Executive Director, Science Gallery International, Dublin, Ireland, @Maphutha. **Esther Hamstra**, Program Developer, NEMO Science Museum, Amsterdam, The Netherlands. **Wiktor Gajewski**, Events Director, Copernicus Science Centre, Warsaw, Poland, @itsWiktor.

#theater

PEAK EXPERIENCES IN EXHIBITIONS - REVERSE

Strategy & vision | Learning

12.00 - 13.15
The Interactive Theater

What are people looking for during an outing with friends or family? The urge to learn something new? To broaden their perspectives? To take some nice pictures? Or to get an unexpected rush? We find that more and more people are expecting spectacles during their outings: memorable, Instagrammable things, out of the ordinary. Exhibitions often give a robust, low-rush baseline, filled with important stories to tell. However, perhaps they sometimes lack the sensory, emotional or thrilling experience, like an art installation or a theme park ride, which people will be talking about days after their visit. What would a compromise between the two look like? A solid baseline, suddenly disrupted by an iconic installation to be imprinted upon the memories of our visitors? Can we create thrilling

memorable moments without blowing away everything else? In this session we focus on projects that have the potential to engage visitors with iconic and thrilling experiences. In the reverse part, we discuss how we can create such experiences by pushing the boundaries of our institutions.

Convenor **Floriane Perot**, Exhibit designer, Universcience, Paris, France.

Speakers **Peter Slavenburg**, Director, NorthernLight Design, Amsterdam, The Netherlands, @northernlightnl. **Marc Tamschick**, CEO | Creative Lead, TAMSCHICK MEDIA+SPACE, Berlin, Germany. **Sheldon Paquin**, International Project Curator, Science Museum Group, London, United Kingdom.

#EcsiteMakers

CONVERSATION CORNER: FACILITATION CHALLENGES - WORKSHOP

Science ♥ society

12.00 - 13.15
The Idea Company - MakerSpace

In this conversation corner session, we'll focus on some of the most common challenges encountered when facilitating tinkering activities. These issues can include how to work with parents in a drop-in session, ways of training staff and volunteers as well as ways of reflecting on our practice as educators. This year at the Ecsite Conference's MakerSpace we are opening a series of informal dialogues on topics that are important to the maker community. When we think back and remember times when we received unexpected tips on how to operate our space, found a great collaborator or discovered new practices we remember that an informal conversation between sessions led to these new ideas. Whether you are a MakerSpace pro or a complete newcomer, join these active discussion sessions and get new perspectives on making and tinkering in museums.

Convenors **Sebastian Martin**, Tinkering Studio Project Specialist, Exploratorium, San Francisco, United States, @smartinseb. **Meie van Laar**, Head of Education & Research, Science Learning Center, NEMO Science Museum, Amsterdam, The Netherlands, @meiegeerlings.

Speakers **Monika Mayer**, Principal, Mayer Museum Consulting, Berkeley, United States, @MonikaGMayer. **Shivani Singhal**, Head, Dharohar, India, @shivani_singhal.

#GameLab

GAMEJAMMING: DO'S AND DON'TS - REVERSE

Science ♥ society | Learning

12.00 - 13.15
The Puzzler - GameLab

A Gamejam is a gathering of people for the purpose of planning, designing, and creating one or more games within a short span of time, usually ranging between 24 and 72 hours. This engaging format is not only a powerful tool to create games but also a way to initiate a new relationship with your audiences and build bridges between different communities. Would you like to organise one, but aren't sure where to start? In this session, discover the do's and don'ts with Dr. Daniela De Angeli, who will share her Gamejam organiser's experience. The presentation will last 45 min, after which you are welcome to stay and play some of our games or take a chill out break to reload before going back to the invariably frenetic Ecsite Conference atmosphere.

Convenor **Daniela De Angeli**, Research Associate, University of Bath, Bath, United Kingdom (also speaker).

#largestage

FIFTY YEARS AND COUNTING: TWO SEMINAL SCIENCE CENTRES LOOK TO THE FUTURE - PANEL

Strategy & vision | Business & fundraising

14.30 - 15.45
Large Stage

1969 was a significant year. Neil Armstrong walked on the moon, the hippies came of age, the Beatles performed for the very last time and the Internet was invented. That same year the Ontario Science Centre in Toronto and the Exploratorium in San Francisco opened their doors. A product of the post-sputnik science education fervour and the open education movement of the times, these boundary-pushing organisations served to fuel by example the explosion of non-collections-based science centres worldwide. Today, these two organisations have each undergone a significant strategic planning process that builds on their past strengths but points them in new directions for the next 50 years. This session will explore the roots of these institutions in the early history of

the science centre movement and discuss their recent visioning process which shows how they have worked to adapt to a changing world.

Convenor Rob Semper, Associate Executive Director, Exploratorium, San Francisco, United States.

Speakers Arne Schirmmacher, Heisenberg Fellow, Humboldt University Berlin, Berlin, Germany. **Maurice Bitran**, CEO and Chief Science Officer, Ontario Science Centre, Toronto, Canada. **Christopher Flink**, Executive Director, Exploratorium, San Francisco, United States. **Gillian Thomas**, Consultant and President Emerita, Phillip and Patricia Frost Museum of Science, Monaco.

#smallstage

RENEWAL: HURDLES TO TAKE - ROUNDTABLE DISCUSSION

Strategy & vision
Back to basics

14.30 - 15.45
Small Stage

When renewing or redeveloping a science centre or science museum, different challenges present themselves. Which hurdles did the speakers and the participants encounter? Which tactics were used (or will be used) to overcome them? What worked and what failed? Are there things that in retrospect should have been approached in a different way? Each presenter will briefly share their own experience, followed by roundtable discussions in smaller groups, moderated by the speakers and convenor. In these roundtable discussions participants can share their expertise and ask their peers questions. At the end of the session each group will list their advice and recommendations.

Convenor Patricia Verheyden, Board member, Science Popularisation Collaborative, Vilvoorde, Belgium.

Speakers Christel Le Delliou, Cultural Coordinator, Le Vaisseau, Strasbourg, France. **Paul Voogt**, Director Utrecht University Museum, Universiteitsmuseum, Utrecht, The Netherlands. **Stacy Wakeford**, Director, Content, Canadian Museum of Nature, Ottawa, Canada. **Erik Jacquemyn**, Chairman, Science Popularisation Collaborative, Linden, Belgium. **Barbara Malinowska Pohoryles**, Architect / Designer, Copernicus Science Centre, Warsaw, Poland.

#movie1

DECOLONISING THE MUSEUM - PANEL

Collections | Equity & Inclusion

14.30 - 15.45
MovieHouse Screen 1

Objects in Western natural history, botanical, and ethnological museums come from all over the world – this is how these institutions provide at least a glimpse of global (natural) history and biodiversity. But how did the objects arrive at these museums? Were specimens or paleontological finds taken in colonial contexts? What were the researchers' or explorers' relationships with local communities then, and what are they now? Do we cooperate with researchers or communities from these regions today? Do we talk about the origins of our collections? The answers to these questions send out political messages to our museum audiences. In this session, we will argue that museums should take a clear position. Speakers from different institutions will give insight into their different projects, share lessons learned and discuss their work with session participants.

Convenor Anna Schaefer, Curator of Education, Berlin State Museums–Prussian Cultural Heritage, Berlin, Germany, @aks1501.

Speakers Ina Heumann, Head of PAN - Perspectives on Nature, Museum für Naturkunde, Berlin, Germany. **Patricia Rahemipour**, Head of Department of Science Communication, Botanischer Garten und Botanisches Museum, Berlin, Germany. **Guido Gryseels**, Director General, Royal Museum for Central Africa, Tervuren, Belgium.

#movie2

TOO YOUNG FOR TOUGH TOPICS? - REVERSE

Exhibit development | Equity & Inclusion

14.30 - 15.45
MovieHouse Screen 2

As parents and educators, there are topics we are not really comfortable talking about or we don't have the emotional resources to deal with when children bring them into the discussion: disability, illness, death, racism, sexuality... and many more! This is why we need science centres and museums to tackle all these "awkward" questions raised by children in our community.

Some science centres and children's museums have been developing initiatives to sensitise their young audience to accessibility or health issues. Children are the future of society, and the earlier they can understand these questions, the earlier they will naturally address them. With these initiatives, from exhibitions talking about disabilities or illnesses, to

specific activities and workshops specially designed for children, science museums are overcoming our natural censorship or awkwardness.

Convenor Agnes Ruiz, Director of Sales, Europe + Middle East, Imagine exhibitions, Montpellier, France, @agnessonR.

Speakers Joonas Juutilainen, Senior Graphic Designer | Project Manager, Heureka - The Finnish Science Centre, Vantaa, Finland. **Nele Van der Elst**, Experience director, Technopolis, the Flemish Science Centre, Mechelen, Belgium, @Nele_VanderElst. **Tina Siehoff**, Exhibition Designer, DASA, Dortmund, Germany.

#movie3

THE ROLE OF PLACE IN ENGAGEMENT WITH SCIENCE - REVERSE

Exhibit development | Science ♥ society

14.30 - 15.45
MovieHouse Screen 3

When visitors engage with a scientific topic, what role can the sense of place play? How important is it to them to encounter a place “where science happens” or where a notable discovery was made? What effect can this have on engaging with science, and how can we harness this feeling to create better and more sustained engagement? This session will explore how that feeling of “being where science happens” can be conveyed through different approaches, and if new meaning comes from these particular spaces. Our panellists each represent a particular perspective on place in the science engagement sector. Short case studies and provocations from the panel will provide the foundation for wider discussion on the role and use of place in enabling engagement with science stories.

Convenor **Luigi Amodio**, Director of the Science Centre, Fondazione IDIS - Città della Scienza, Naples, Italy.

Speakers **Becky Gilmore**, Exhibitions & Interpretation Coordinator, Wellcome Genome Campus - Connecting Science, Cambridge, United Kingdom, @museumofbecky. **Baerbel Auffermann**, Deputy Director, Neanderthal Museum, Mettmann, Germany. **Haydn Antoniow**, Exhibitions and Interpretation Manager, The Natural History Museum, London, United Kingdom.

#movie4

PLANNING FOR MUSEUMS OF THE FUTURE: NEW MODELS - PANEL

Strategy & vision | Research, theory & evaluation

14.30 - 15.45
MovieHouse Screen 4

Museums and science centres have well-established business models and forms of delivery – and whilst these have been successful, we must remain alert to changes within the societies in which we operate and which we intend to serve. As we look to the future, how do we ensure that we deliver relevant experiences and programmes that resonate with audiences? How do we ensure that we understand our future audiences rather than meet the expectations of our past audiences? How do we fulfil our organisations’ missions and science engagement objectives? And, importantly, how do we remain financially resilient? Speakers will provide examples from their own organisations to map possible ways towards resilient organisations for the future, including new business models with respect to science engagement, public programming and other commercial models.

Convenor **Marjolein van Breemen**, Deputy Director, NEMO Science Museum, Amsterdam, The Netherlands, @M_van_Breemen.

Speakers **Alexandra Burch**, Head of Exhibitions, Learning and Outreach, The Natural History Museum, London, United Kingdom. **Maren Krumdieck**, Head of Cultural and Commercial Partnerships, Science Museum Group, London, United Kingdom. **Annemarie van Eekeren**, Head of Exhibitions & Collections, NEMO Science Museum, Amsterdam, The Netherlands.

#lab4

RESEARCH AND CIVIL SOCIETY: INSPIRATION FROM SCIENCE SHOPS - WORKSHOP

Science ♥ society | Equity & Inclusion

14.30 - 15.45
Lab 4 + 5

The Science Shop movement has 40 years of experience in developing innovative and often experimental models to channel social demands into research topics. In various countries, Science Shops support socially innovative local communities to define and address societal challenges to improve public services and quality of life. In this workshop we will explore how Science Shops work through a timeline card game. Participants will be invited to deliberate on the process of projects co-designed with Civil Society Organisations. We will also share the draft of new “2.0” Science Shop models developed through the EU-funded InSPIRES project, with 32+ ongoing initiatives. A new research panorama shows the evolution of ideas such as Responsible Research and Innovation, Open Science

and ‘impact agenda’. We argue that research needs to move towards working cooperatively with various societal actors through transdisciplinary and participatory action research.

Convenors **Bálint Balázs**, Senior Research Fellow, ESSRG, Budapest, Hungary, @Balint_ESSRG. **Leonardo de la Torre Ávila**, InSPIRES Project - Communication, The Barcelona Institute of Global Health (ISGlobal), Barcelona, Spain.

Speakers **Maria Jesus Delgado**, Medica Doctor, PhD, The Barcelona Institute for Global Health (ISGlobal) - Hospital Clínic, Barcelona, Spain. **Shailaja Baichoo**, InSPIRES EU Project officer, Université de Lyon, Lyon, France. **Marjolein Zweekhorst**, Professor, Vrije Universiteit, Amsterdam, The Netherlands. **Michael Søgaard Jørgensen**, Associate Professor - Center for Design, Innovation and Sustainable Transitions - Department of Development and Planning, Aalborg University, ISGlobal / Gedime (UAB), Copenhagen, Denmark.

#lab7

JUST GO FOR IT - WORKSHOP

Strategy & vision | Equity & Inclusion

14.30 - 15.45
Lab 7

Change is constant. We need to be agile, and to continually push the boundaries of our work in order to remain engaging and relevant in ever-evolving cultural landscapes. What organisational or team boundaries would you like to push, but face challenges when doing so? How can we overcome the discomfort, resistance and perceived risk and support each other to just go for it? Speakers give 5-minute presentations about boundaries they’ve crossed and survived - sharing learning from pushing control, space, content, organisational or political boundaries. Participants then gather at facilitated tables to map their boundaries and barriers and discuss how these can be overcome. If anyone would like a boundary- pushing buddy for support

beyond the session, (non compulsory!) check-in calls or social media discussions can be arranged throughout the year, to help each other push boundaries together.

Convenor **Anna Starkey**, Chief Creative Officer, We The Curious, Bristol, United Kingdom.

Speakers **Didier Laval**, Public Engagement Associate, University of Bristol, Bristol, United Kingdom, @DidierLaval. **Rosalie White**, Creative Producer, We The Curious, Bristol, United Kingdom. **Aliki Giannakopoulou**, Project Manager, Ellinogermaniki Agogi SA, Athens, Greece, @AlikiGiann.

#construction

STORYTELLING IN EXHIBITIONS: BENEFITS AND RISKS - CAMPFIRE SESSION

Collections | Explainers & visitor services

14.30 - 15.45

The Construction Site

Storytelling is a fundamental aspect of human nature. Stories bring objects to life, stimulate curiosity, and help make sense of other cultures. Traditional storytelling entails one storyteller and a passive audience. How can we share stories in the exhibition context, in ways that engage visitors? How do we use stories to create active museum experiences? How do we design stories to engage visitors at a deeper level or even put them in someone else's shoes? How do we use the exhibition setting and visitors' movements in it as part of an interactive story? Can stories adapt to people's choices or actions?

Storytelling is both our topic and our format: all speakers together will tell a short and compelling

narrative, "storifying" how they design, deliver and evaluate stories. Attendees will then share their own narratives, collectively mapping tools to build and deliver story experiences involving participation and interactions. Convenors/speakers and attendees will work together towards the "happily ever after" of storytelling in exhibitions.

Convenors **Talila Yehiel**, Museum Expert, Museums in Israel, Mexico and Spain. **Daniela De Angeli**, Research Associate, University of Bath, Bath, United Kingdom.

Speakers **Melanie Wunsch**, Head of Exhibitions, DASA, Mettmann, Germany, @Neandertal1. **Martine Svanevik**, Content Designer, Expology, Oslo, Norway.

#roof

YES AND: SHARE YOUR WILDEST IDEAS - IDEA JAM SESSION

Strategy & vision

14.30 - 15.45

Rooftop

During this session, Experimentarium's rooftop will turn into a verbal playground, in which we will jam with ideas, improvise, and be as creative as we can be. The principle is simple: everyone gets one minute to share an idea that they've had for a science engagement initiative that hasn't yet been realised... No idea is too wild for this session! Rules of the session: 1. No 'buts' allowed - open minds only; 2. No 'advertising' allowed - only strange stuff that isn't out there yet; 3. One minute per idea...; 4. ... followed by one minute of 'Yes, and' from the audience to see where we can take the idea. After our first selection of speakers are done jamming with the audience, the floor is open to anyone. We'd love to hear both ambitious aspirations and fleeting brainfarts. Let's find out how far we can go!

Convenor **Lizzy Bakker**, Content strategy and development, NorthernLight Design, Amsterdam, The Netherlands.

Speakers **Bernhard Kehrer**, Managing Director, studio klv, Berlin, Germany. **Amparo Leyman Pino**, Principal, Yellow Cow Consulting, San Francisco, United States, @ampisquelinda. **Jochen Hunger**, Scenographer, jh Museum & exhibition design, Erlangen, Germany. **Stefan Fahrngruber**, Experience Designer, NorthernLight Design, Amsterdam, The Netherlands, @steffahrngruber. **Brad MacDonald**, Adjunct Professor, Parsons School of Design, New York, United States, @bmack. **Paul Orselli**, Chief Instigator, POW! (Paul Orselli Workshop, Inc.), Long Island, New York, United States, @museum_exhibits. **Holly Hasted**, PhD Fellow, UiT - The Arctic University of Norway & Tromsø University Museum, Tromsø, Norway, @hollyhasted. **Maarten Taborsky**, Project Director, Bruns BV, Bergeijk, The Netherlands. **Bob Van Cleemputte**, Owner, CREATE, Ghent, Belgium, @CreateMM. **Adam Boal**, Contemporary Science Content Developer, Science Museum Group, London, United Kingdom.

#EcsiteMakers

MEET THE MAKERS - WORKSHOP

Science ♥ society

14.30 - 15.45

The Idea Company - MakerSpace

In this drop-in session, take the opportunity to meet with fellow museum professionals and makers and learn about all things tinkering and making. Come by at any time during the session to explore the Ecsite Conference's MakerSpace, hang out with educators and leaders involved with making and tinkering initiatives in science engagement organisations all over the world and hear about their first-hand experiences. It's a perfect way to take a break from your busy conference schedule to network, get inspired and maybe even do a little making yourself.

Convenors Daniel Rosqvist, Science Center Manager, Tekniska museet - The National Museum of Science and Technology, Stockholm, Sweden. Monika Mayer, Principal, Mayer Museum Consulting, Berkeley, United States, @MonikaGMayer.

Speakers **Jon Haavie**, Makerspace Educator, Norsk Teknisk Museum, Oslo, Norway. **Jenny Carlsson**, Education officer, Tekniska museet - The National Museum of Science and Technology, Stockholm, Sweden. **Sebastian Martin**, Tinkering Studio Project Specialist, Exploratorium, San Francisco, United States, @smartinseb. **Inka de Pijper**, Project Manager Education, NEMO Science Museum, Amsterdam, The Netherlands. **Rannei Solbak Simonsen**, Educator, Norwegian Museum of Science and Technology, Oslo, Norway. **Liam Nilsen**, Learning Experience Advisor, the LEGO Foundation, Billund, Denmark, @nilsenmuseum. **Martin Swift**, Project Manager, UniSci - The University of Iceland Science Centre, Reykjavík, Iceland, @mjbswift.

#GameLab

DROP IN AND PLAY - OPEN PLAY

Science ♥ society

14.30 - 15.45

The Puzzler - GameLab

The GameLab is an informal space dedicated to gaming. It will be open throughout the three days of the Ecsite Conference (even during coffee and lunch breaks). It is a drop-in space, with an exciting mix of workshops and demonstrations as well as games to play and game makers to meet. Bring your curiosity and sense of fun. Visit the GameLab and its dedicated team. Ask questions, sit and play by yourself, with friends or strangers or bring a game you like and share it. Meet friends, have coffee, play games, make games, relax, refocus and recharge.

Convenors **Kate Kneale**, Director, HKD, Margate, United Kingdom, @knealek. **John Sear**, Real-world Game Designer, Museum Games, Birmingham, United Kingdom, @mrjohnsear. **Malvina Artheau**, Development & European Partnerships - RRI - LivingLab, Artheau Accompagnement, Toulouse, France, @MalvinaArtheau. **Ran Peleg**, Curriculum Developer and Project Manager, EdQuest UK, London, United Kingdom. **Daniela De Angeli**, Research Associate, University of Bath, Bath, United Kingdom.

#largestage

TOOLS FOR MEASURING STEAM LEARNING - PANEL

Learning | Research, theory & evaluation

16.30 - 17.45
Large Stage

While museum-based researchers and evaluators advance work in understanding various aspects of STEAM learning and, in particular, the discussion about learning through making and tinkering experiences in museums, we lament the lack of robust measurement tools that can be used for research and evaluation of these experiences. In this session, we will share work from five projects that have developed various measurement tools or approaches, including surveys and observation protocols, that provide museum educators, researchers and programme administrators with information to evaluate maker programmes and experiences with youth. First, the panel will describe their development process and measurement tools, including the tensions that emerge when developing a tool to be used in a complex setting like a museum. Second, panel members will take the audience through the use of one measurement tool, grounding the conversation in

what measurement looks like in practice. Third, panel members will facilitate a discussion about museum-based measurement of learning.

Convenor Lisa Brahms, Director of Learning & Research, Children's Museum of Pittsburgh, Pittsburgh, United States.

Speakers Peter Wardrip, Assistant Professor of STEAM Education, University of Wisconsin, Madison, Wisconsin, United States. **Stephanie Chang**, Director of Impact, Maker Ed, Oakland, United States, @heyasteph. **Elizabeth McGregor Jacobides**, PhD, Cambridge University, London, United Kingdom, @wonderworldsci. **Rannei Solbak Simonsen**, Educator, Norwegian Museum of Science and Technology, Oslo, Norway. **Caterina Ginzburg**, CEO, Xké? Il laboratorio della curiosità, Turin, Italy.

#smallstage

USING PERFORMING ARTS IN SCIENTIFIC ORGANISATIONS - REVERSE

Learning | Research, theory & evaluation

16.30 - 17.45
Small Stage

Performance is being used across scientific organisations in many exciting ways, with aims ranging from attempting to bring science to life, engaging new audiences, deepening understanding of key content to inviting in artists to open up collections in new and innovative ways. But what do visitors actually 'get' from these experiences? What are the successes and challenges of doing this? How can organisations create, deliver and understand the effect of performance pieces in their organisations? How far can performance push scientific organisations to work differently and engage in new ways with new audiences? Is the museum the place to host these events? Does it change the visitor perception of the hosting institution?

In this session, after introductions we will split attendees into five groups and offer an opportunity for discussion.

Convenors Catherine Murphy, Audience Analyst, The Natural History Museum, London, United Kingdom. **Desiree Vaccarini**, Audience Researcher, Science Museum Group, London, United Kingdom. (also speaker)

Speakers Thomas B Berg, Senior Scientist, Collection and Exhibition manager, Naturama, Svendborg, Denmark. **Dobrivoje Lale Eric**, Head of Department of International Cooperation, Center for the Promotion of Science, Belgrade, Serbia. **Marina Leonard**, Program Manager, Quai des savoirs, Toulouse, France, @NinadesJardins. **Catherine Murphy**, Audience Analyst, The Natural History Museum, London, United Kingdom. **Desiree Vaccarini**, Audience Researcher, Science Museum Group, London, United Kingdom.

#movie1

COMMUNICATING COMPLEX AND CONTROVERSIAL ISSUES IN EXHIBITIONS - PANEL

Exhibit development | Research, theory & evaluation

16.30 - 17.45
MovieHouse Screen 1

In this session we want to find out more about the "do's" and "don'ts" of communicating complex and controversial ideas in museum settings. We believe that the most effective way of facilitating engagement is to invite visitors to take part in critical-issue-based exhibitions and to discuss and debate topical issues that bridge science and our everyday lives. But how do we find a common language to begin with and what forms of participation can we establish in museum settings? The session will be chaired by Heather King from King's College London, whose research addresses the nature of science engagement and the communication practices of museums.

Convenor Heather King, Research Fellow, King's College London, London, United Kingdom.

Speakers Przemek Michalik-Sobolewski, Research Associate (PhD candidate), KiSOC - Kiel Science Outreach Campus / University of Kiel, Kiel, Germany. **Lorenz Kampschulte**, Head of Education, Kiel Science Outreach Campus KiSOC, Munich, Germany. **Morten Arnika Skydsgaard**, Senior curator, Science Museums, Aarhus, Denmark.

#movie2

CHEMICALS, ENVIRONMENT AND HUMAN HEALTH - PANEL

Science ♥ society | Learning

16.30 - 17.45
MovieHouse Screen 2

We live longer and are healthier than ever, enjoying the 21st century's many conveniences. Chemistry and the use of different chemicals have played an important role in shaping society and improving our standard of living. But do we understand the impact that these chemicals can have on our environment and our wellbeing? Pollution is the number one burden of disease globally. In Europe, it accounts for 467,000 premature deaths, while carcinogens cause more than 100,000 work-related deaths. In this session, hear about the "Human Biomonitoring Initiative in Europe" (HBM4EU) project whose partners include the European Environment Agency. To understand citizen's perception of chemical exposure in human health, the project organised focus groups and is also involving citizens as participants in research to understand human exposure to chemicals and plausible health effects. Attend this session to

meet project representatives and gain insights into how chemicals in our environment impact our planet and our health, and the role of citizens in influencing and supporting actions to reduce chemical exposure, contributing to policy making.

Convenor Derya Ay, Project Consultant, Human Biomonitoring for Europe - European Environment Agency, Copenhagen, Denmark.

Speakers Ian Marnane, Project Manager & Expert in Industry and Environment, European Environment Agency, Copenhagen, Denmark. **Caroline Whalley**, Water Industries and Pollution, European Environment Agency, Copenhagen, Denmark. **Joana Lobo Vicente**, Project Manager & Expert in Chemicals, Environment & Human Health, HBM4EU - Human Biomonitoring For Europe & European Environment Agency, Copenhagen, Denmark, @hbm4eu. **Andromachi Katsonouri-Sazeides**, Head of Human Biomonitoring and Industrial Products Laboratory, Cyprus State General Laboratory, Ministry of Health, Nicosia, Cyprus.

#movie3

SMARTPHONES IN MUSEUMS: THREE CASE STUDIES - PANEL

Exhibit development | Research, theory
& evaluation | Back to basics

16.30 - 17.45
MovieHouse Screen 3

Smartphones have become ubiquitous in our lives and their versatility offers great potential for visitors and museums. They can be used to deepen visitor engagement, personalise a visit, record visitors' unique paths and where they spend time, provide alternative languages, and make the museum more accessible for visually impaired individuals.

This session will present museum case studies of context-aware mobile technology and will address the opportunities and challenges that lie ahead for such projects. Three panellists will share insights from their own smartphone projects, each currently at a different stage, from initial conceptualisation, to beta testing, to full-scale launch and implementation. They will frame their presentations with the following questions:

- Why? (needs and goals)
- How? (technology, infrastructure, staff support)
- What? (content, user experience)
- And if applicable: what happened and lessons learned.

Convenor **Claire Pillsbury**, Program Director, Osher Fellowships, Exploratorium, San Francisco, United States.

Speakers **Andreas Heinecke**, Founder & CEO, Dialogue Social Enterprise, Hamburg, Germany. **Bernd Holtwick**, Assistant Director, DASA, Dortmund, Germany. **Theano Moussouri**, Senior Lecturer, University College London, London, United Kingdom.

#lab4

BOUNDARIES OR BURNOUT: YOU CHOOSE - WORKSHOP

Strategy & vision | Learning

16.30 - 17.45
Lab 4 + 5

Occupational burnout occurs in all professions and ours is no exception. Many in our line of work root their motivation in values, a sense of mission and the people they serve. But sometimes we can be overwhelmed by these responsibilities and that's when the burnout spiral is about to start.

Let's get together in small groups, break the silence around this topic, use our collective intelligence to address the issues that can lead to burnout and learn how to tackle it. We are a community of people who care for other people - let's also care for each other. In this workshop, speakers who've either experienced burnout or are currently working on preventing it (or both) will share their personal experiences, and you are invited to do the same in the form of an anonymous personal experience letter. These letters will

serve as a basis to collectively identify situations, behaviours, and mindsets that can lead to one feeling that they can no longer cope. Speakers will share examples of actions that anyone can take and the session will end with a call to action: how can we all, in our organisations and in our positions, help reduce burnout and care more for people at risk?

Convenor **Wiktór Gajewski**, Events Director, Copernicus Science Centre, Warsaw, Poland, @itsWiktór (also speaker).

Speakers **Malvina Artheau**, Development & European Partnerships - RRI - LivingLab, Artheau Accompagnement, Toulouse, France, @MalvinaArtheau. **Raquel da Cunha**, Events and Communications Officer & Project Manager, Ecsite, Brussels, Belgium, @RaquelCCCunha. **Alejandro Mancilla**, Senior Project Specialist, Culture in Motion, Barcelona, Spain. **Vesna Pajić**, Project Manager, The House of Experiments, Ljubljana, Slovenia.

#lab7

FACING THE SIXTH EXTINCTION: WHAT CAN WE DO? - WORKSHOP

Science ♥ society | Strategy & vision

16.30 - 17.45
Lab 7

Elizabeth Kolbert has suggested that we are living in the midst of the 6th mass extinction, in which we, humans, are the "asteroid" colliding with the Earth. Coral reefs are being bleached at an alarming rate due to ocean warming. Amphibians are disappearing at approximately 25,000 times the background extinction rate. How can science centres and museums mobilise their visitors, the media, industries and governments around the biodiversity crisis? For this workshop we welcome participants from organisation where biodiversity is "core business" as well as

professionals from other science engagement organisations interested in this topic. Following an introduction and a case study presentation, the workshop will allow participants to share examples of inspiring projects and shape ideas for new cooperations.

Convenors **Michael John Gorman**, Founding Director, BIOTOPIA - Bavarian Natural History Museum, Munich, Germany, @michaeljohn, (also speaker).

Speakers **Maria Isabel Garcia**, Curator, The Mind Museum, Taguig, Philippines.

#EcsiteMakers

DROP-IN & MAKE - OPEN MAKE

Science ♥ society

16.30 - 17.45
The Idea Company - MakerSpace

The Ecsite Conference's MakerSpace is a physical location created by a group of tinkerers and educators from science centres all over the world. It is located on the second floor of Experimentarium. In this inspiring environment full of tools, materials and examples, we'll present hands-on workshops, exchange ideas about making and tinkering in science centres, and discuss why making and tinkering matters. Throughout the entire Conference, you can learn about high- and low-tech tools/digital fabrication, get to know makers and artists and engage with half-baked prototypes. Whether you are an experienced maker or a complete newcomer, we invite you to stop by for a workshop or during a "tinkering talk" to engage with projects, meet new collaborators and share ideas.

#GameLab

VOTE WITH YOUR FEET: PUTTING FUN INTO EVALUATION - WORKSHOP

Research, theory & evaluation

16.30 - 17.45

The Puzzler - GameLab

As the Ecsite Conference draws to a close and with it the 2019 edition of the GameLab, time to look back, wrap up and look ahead! There are two sides to this session: Selfish. It's all about us. We want the GameLab to be bigger, better, more relevant and more fun. So please drop in and make your mark. Get your voice heard. Shape the GameLab to meet your needs and interests. Help us build GameLab 2020. Altruistic. It's all about you. We are all required to run evaluation on our projects, galleries and events. Funding follows evidence. We will be demonstrating different ways to make this process fun, relevant and engaging. Come and collect take-home ideas. Stay on and give a hand in wrapping up the GameLab

until 18:00. Let's make this moment yet another opportunity to meet while working together. We will also be acknowledging the results of the collaborative installation set up on day one, before destroying it with joy, because breaking up things can sometimes be as good as building them as it makes space for the new and unexpected!

Convenor Kate Kneale, Director, HKD, Margate, United Kingdom, @knealek.

Speaker Daniela De Angeli, Research Associate, University of Bath, Bath, United Kingdom.

CLOSING & HANDOVER CEREMONY

18.00 to 18.45

The Eatery

Say goodbye to our 2019 hosts and hello to the Kersnikova Institute team who will be welcoming us to Slovenia next year for the 2020 Ecsite Annual Conference (11 - 13 June 2020, Ljubljana).

SCIENCE CENTRE SPECIALISTS



King Salman Science Oasis | Saudi Arabia



Science Museum London | UK



Science Museum, SAASCC | Kuwait



National Museum of Scotland | Scotland



25 YEARS
OF
EXCELLENCE

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📷 @beckinteriors

📺 BECK

FAREWELL PARTY

Docken

Saturday 21.00 - 02.00

The Farewell Party is the conference's most informal social event: dance, chat, share a drink with other participants... This year it will be held at Docken, a former salt warehouse overlooking the sea, reconverted into a cultural venue.

Chill by the water, enjoy the live music and admire the sunset over Hellerup (and Experimentarium) and dance away in Docken's beautiful industrial space.

Recommended dress code: casual. As for all events, don't forget to have your conference badge with you. There will be no meal served that evening, only drinks and snacks.

Getting there

Færgehavnsvej 35
2150 Nordhavn



The nearest station is Nordhavn Station and Docken is a 2 km walk from there. Otherwise you can also get off at Østerport Station and then take bus no. 27 towards 'Ocean Kaj'. It is an 8-minute ride and you arrive just across from Docken. Or.... take the bike! Docken is located roughly in between the city centre and Experimentarium.





Lascaux International Exhibition
Exclusive French production, this emotional and interactive exhibition gives visitors a unique opportunity to discover full-scale replicas of the most beautiful prehistoric cave and learn how our common ancestor Cro Magnon lived 200 centuries ago.

“Lascaux – International Exhibition brings together the most remarkable replicas of the cave ever made. It opens a window to understanding man’s earliest artistic endeavors revealing a multi-faceted and subjective reality, unfathomable through one science alone.”



Prof. Yves Coppens
Member of the French Academy of Sciences, President of the Lascaux cave Scientific Committee

#weareallcromagnon

#1 Chicago (USA)

19/03/2013 - 08/09/2013
The Field Museum of Chicago

#2 Houston (USA)

18/10/2013 - 23/03/2014
Houston Museum of Nature & Science

#3 Montreal (Canada)

16/04/2014 - 14/09/2014
Montreal Science Centre

#4 Brussels (Belgium)

13/11/2014 - 12/04/2014
Royal Museum of Art & History

#5 Paris (France)

19/05/2015 - 30/08/2015
Exhibition Park, Porte de Versailles

#6 Geneva (Switzerland)

2/10/2015 - 17/01/2016
Palexpo

#7 Gwangmyeong (South Korea)

16/04/2016 - 04/09/2016
Lascaux Exhibition Hall

#8 Tokyo (Japan)

1/11/2016 - 19/02/2017
National Museum of Nature & Sciences, Ueno Park

#9 Sandei (Japan)

25/03/2017 - 28/05/2017
Museum of History of Tohoku

#10 Fukuoka (Japan)

10/07/2017 - 03/09/2017
National Museum of Kyushu

#11 Shanghai (China)

01/11/2017-28/02/2018
Shanghai Science & Technology Museum

#12 Johannesburg (South Africa)

17/05/2018-31/12/2019
Sci Bono Discovery Centre

#13 Munich (Germany)

17/04/2019-08/09/2019
Kleine Hall, Olympic Park

#14 Napoli (Italy)

01/02/2020-31/05/2020
Museum of Archeology National of Napoli



Fine engravings are unveiled by special black light



©Julien Riou



©Elisabeth Daynesa

OLIVIER RETOUT, PhD
o.retout@dordogne.fr

www.lascaux-expo.fr

SPEAKERS AND CONVENORS

A

- Marianne Achiam
Tue 04 9.00-17.45 / Wed 05 9.00-17.45 / Fri 07 14.30-15.45 / Sat 08 9.00-10.15 / Sat 08 12.00-13.15
- Torkil Adersen
Thu 06 12.00-13.15
- Claudia Aguirre
Thu 06 14.30-15.45
- Leonel Alegre
Fri 07 12.00-13.15 / Fri 07 14.30-15.45
- Kristin Alford
Thu 06 14.30-15.45 / Thu 06 16.30- 17.45
- Sharon Ament
Thu 06 9.45 to 11.00 / Thu 06 16.30 to 17.45 / Fri 07 9.00-10.15 / Sat 08 12.00 to 13.15
- Luigi Amodio
Fri 07 12.00-13.15 / Sat 08 14.30-15.45
- Haydn Antoniow
Tue 04 9.00-17.45 / Fri 07 14.30-15.45 / Sat 08 14.30-15.45
- Christine Antorini
Fri 07 14.30-15.45
- Ken Arnold
Thu 06 12.00-13.15
- Malvina Artheau
Tue 04 9.00-17.45 / Wed 05 9.00-17.45 / Thu 06 12.00-13.15 / Thu 06 14.30-15.45 / Fri 07 9.00-10.15 / Fri 07 14.30-15.45 / Fri 07 17.00-17.45 / Sat 08 9.00-10.15 / Sat 08 14.30-15.45 / Sat 08 16.30-17.45
- Dacha Atienza
Fri 07 9.00-10.15
- Baerbel Auffermann
Sat 08 14.30-15.45
- Derya Ay
Sat 08 16.30-17.45

B

- Sara Bagge
Fri 07 12.00-13.15 / Fri 07 14.30-15.45
- Shailaja Baichoo
Sat 08 14.30-15.45
- Elsa Bailey
Fri 07 14.30-15.45
- Gretchen Baker
Fri 07 17.00-17.45
- Lizzy Bakker
Thu 06 12.00-13.15 / Sat 08 14.30-15.45
- Bálint Balázs
Sat 08 14.30-15.45
- Yael Bamberger
Sat 08 9.00-10.15 / Sat 08 12.00-13.15
- Carina Bammesberger
Thu 06 16.30-17.45
- Andrea Bandelli
Fri 07 9.00-10.15 / Sat 08 12.00-13.15
- Deb Banning
Fri 07 14.30-15.45
- Julie Becker
Thu 06 16.30-17.45 / Fri 07 9.00-10.15 / Fri 07 2.00-13.15
- Gunnar Behrens
Fri 07 9.00-10.15
- Geoffrey Belknap
Thu 06 12.00-13.15
- Marianne Benning
Thu 06 12.00-13.15
- Thomas B. Berg
Wed 05 9.00-17.45 / Thu 06 16.30-17.45 / Sat 08 16.30-17.45
- Marie-Agnès Bernardis
Wed 05 9.00-17.45

Dirk Bertels
Sat 08 9.00-10.15

Irene Besenbaeck
Fri 07 12.00-13.15

John Besley
Tue 04 9.00-17.45 / Wed 05 9.00-17.45

Bronwyn Bevan
Thu 06 12.00-13.15 / Thu 06 16.30-17.45 / Sat 08 9.00-10.15 / Sat 08 12.00-13.15

Peter Bishop
Thu 06 14.30-15.45 / Thu 06 16.30-17.45

Maurice Bitran
Sat 08 12.00-13.15 / Sat 08 14.30-15.45

Olle Bjerkås
Thu 06 14.30-15.45

Adam Boal
Sat 08 14.30-15.45

Ida Marie Bøe
Thu 06 14.30-15.45

Christof Börner
Thu 06 16.30-17.45

Griet Bouciqué
Sat 08 9.00-10.15

Jo Bowler
Sat 08 12.00-13.15

Michael Bradke
Thu 06 14.30-15.45 / Thu 06 16.30-17.45

Lisa Brahms
Thu 06 12.00-13.15 / Sat 08 16.30-17.45

Christina Brandenberger
Fri 07 12.00-13.15

Thierry Brassac
Thu 06 12.00-13.15 / Thu 06 14.30-15.45 / Sat 08 12.00-13.15

Judy Brown
Fri 07 14.30-15.45

Cynthia Brown
Sat 08 9.00-10.15

Jay Brown
Thu 06 14.30-15.45

Anne-Marie Bruyas
Thu 06 12.00-13.15

J

o Bryant
Sat 08 12.00-13.15

Michiel Buchel
Fri 07 9.00-10.15

Michał Buława
Thu 06 12.00-13.15

Nicole Bullock
Wed 05 9.00-17.45 / Fri 07 12.00-13.15

Alexandra Burch
Sat 08 14.30-15.45

C

- Samuela Caliarì
Thu 06 16.30-17.45
- Krešimir Čanić
Thu 06 16.30-17.45
- Corrado Canonici
Thu 06 14.30-15.45
- Antonia Caola
Wed 05 9.00-17.45 / Fri 07 12.00-13.15 / Fri 07 17.00-17.45
- Mariana Cardoso
Tue 04 9.00-17.45 / Thu 06 14.30-15.45 / Fri 07 9.00-10.15
- Jenny Carlsson
Thu 06 16.30-17.45
- Ove Caspersen
Thu 06 16.30-17.45
- Núria Castell
Thu 06 16.30-17.45
- Katerina Chabova
Fri 07 9.00-10.15
- Sylvaine Champagne
Wed 05 9.00-17.45
- Davy Champion
Fri 07 14.30-15.45
- Raphael Chanay
Thu 06 12.00-13.15 / Thu 06 16.30-17.45 / Fri 07 12.00-13.15
- Stephanie Chang
Sat 08 16.30-17.45
- Jennifer Chow
Thu 06 14.30-15.45

Nathalie Cimino
Fri 07 9.00-10.15

Manuel Cira
Tue 04 9.00-17.45 / Wed 05 9.00-17.45 / Thu 06 12.00-13.15 / Thu 06 16.30-17.45 / Fri 07 14.30-15.45

Christina Classen
Fri 07 14.30-15.45

Orna Cohen
Fri 07 9.00-10.15 / Fri 07 12.00-13.15

Iain Coleman
Thu 06 14.30-15.45 / Thu 06 16.30-17.45 / Sat 08 9.00-10.15

Bernard Combes
Fri 07 14.30-15.45

Linda Conlon
Sat 08 12.00-13.15

John Cook
Tue 04 9.00-17.45 / Wed 05 9.00-17.45 / Thu 06 12.00-13.15

Kevin Crowley
Thu 06 12.00-13.15 / Thu 06 16.30-17.45

Giovanni Crupi
Sat 08 9.00-10.15

Clayton Cutajar
Thu 06 14.30-15.45

D

Samar D. Kirresh
Thu 06 14.30-15.45 / Thu 06 16.30-17.45 / Fri 07 12.00-13.15 / Sat 08 9.00-10.15

Raquel Da Cunha
Fri 07 9.00-10.15 / Sat 08 16.30-17.45

Daphnie Daras
Fri 07 12.00-13.15

Alanna Davidson
Thu 06 14.30-15.45

Melanie Davies
Sat 08 9.00-10.15

Cere Davis
Thu 06 12.00-13.15

Emily Dawson
Sat 08 12.00-13.15

Natt Day
Sat 08 9.00-10.15

Daniela De Angeli
Tue 04 9.00-17.45 / Wed 05 9.00-17.45 / Thu 06 14.30-15.45 / Fri 07 9.00-10.15 / Fri 07 17.00-17.45 / Sat 08 9.00-10.15 / Sat 08 12.00-13.15 / Sat 08 14.30-15.45 / Sat 08 16.30-17.45

Liesbeth De Bakker
Thu 06 16.30-17.45 / Sat 08 9.00-10.15

Peter De Haan
Thu 06 12.00-13.15

Leonardo De La Torre Ávila
Sat 08 14.30-15.45

Sarah De Launey
Thu 06 12.00 13.15 / Thu 06 14.30-15.45 / Fri 07 9.00-10.15

Inka De Pijper
Thu 06 14.30-15.45 / Fri 07 9.00-10.15

Lauren Deere
Fri 07 14.30-15.45

Paolo Degiovanni
Thu 06 16.30-17.45 / Fri 07 12.00-13.15

Matteo Del Vecchio
Fri 07 14.30-15.45

Maria Jesus Delgado
Sat 08 14.30-15.45

Jennifer Dewitt
Thu 06 14.30-15.45

Niek D'Hondt
Thu 06 12.00-13.15

Meredith Doby
Thu 06 14.30-15.45 / Thu 06 16.30-17.45

Cristin Dorgelo
Thu 06 16.30-17.45

Cynthia Doumbia
Thu 06 14.30-15.45

John Downey
Thu 06 14.30-15.45 / Fri 07 14.30-15.45

Karen Drost
Fri 07 14.30-15.45

Stefania Druga
Wed 05 9.00-17.45
Armin Duff
Fri 07 12.00-13.15 / Sat 08 12.00-13.15

Sarah Durcan
Sat 08 9.00-10.15

Andrea Durham
Fri 07 14.30-15.45

Audrey Dussutour
Sat 08 10.30-11.30 / Sat 08 12.00-13.15

Kristina Duvnjak
Thu 06 16.30-17.45

E

Sybill Ebers
Fri 07 12.00-13.15

Kirsten Ellenbogen
Sat 08 12.00-13.15

Dobrivoje Lale Eric
Thu 06 16.30-17.45 / Sat 08 16.30-17.45

Diana Escobar Vicent
Fri 07 9.00-10.15

F

Stefan Fahrngruber
Fri 07 14.30-15.45 / Sat 08 14.30-15.45

Netzach Farbiash
Sat 08 12.00-13.15

Carmen Fenollosa
Tue 04 9.00-17.45 / Fri 07 9.00-10.15 / Fri 07 12.00-13.15 / Fri 07 14.30-15.45 / Fri 07 17.00-17.45

Grace Fields
Fri 07 9.00-10.15

Marta Fikus-Krynska
Fri 07 9.00-10.15

Robert Firmhofer
Fri 07 12.00-13.15 / Fri 07 9.00-10.15 / Sat 08 12.00-13.15

Milada Fiserova
Fri 07 9.00-10.15

Derek Fish
Thu 06 16.30-17.45 / Fri 07 14.30-15.45 / Sat 08 9.00-10.15 / Sat 08 12.00-13.15

Wenche Fivelsdal
Thu 06 12.00-13.15
Christopher Flink
Fri 07 14.30-15.45 / Sat 08 14.30-15.45

Maria João Fonseca
Fri 07 9.00-10.15 / Fri 07 12.00-13.15 / Thu 06 12.00-13.15 / Thu 06 14.30-15.45

Kate Forde
Thu 06 12.00-13.15

Catherine Franche
Thu 06 9.45-11.00 / Fri 07 9.00-10.15

Francisco Franco Del Amo
Thu 06 12.00-13.15

Stacey Freeman
Fri 07 12.00-13.15

Juliette Fritsch
Wed 05 9.00-17.45 / Fri 7 12.00-13.15

Sarah Funk
Fri 07 9.00-10.15

G

Wiktor Gajewski
Fri 07 17.00-17.45 / Sat 08 12.00-13.15 / Sat 08 16.30-17.45

Mike Ganderton
Fri 07 14.30-15.45

Maria Isabel Garcia
Fri 07 14.30-15.45 / Sat 08 16.30-17.45

Vessela Gertcheva
Thu 06 16.30-17.45

Indrayani Ghangrekar
Sat 08 9.00-10.15

Alikì Giannakopoulou
Fri 07 9.00-10.15 / Fri 07 14.30-15.45 / Sat 08 14.30-15.45

Becky Gilmore
Sat 08 14.30-15.45

Caterina Ginzburg
Sat 08 16.30-17.45

Antonio Gomes Da Costa
Tue 04 9.00-17.45 / Wed 05 9.00-17.45 / Thu 06 12.00-13.15 / Fri 07 14.30-15.45 / Sat 08 9.00-10.15

Juan Luis Gonzalo
Fri 07 12.00-13.15

Michael John Gorman
Sat 08 16.30-17.45

Danielle Grandeville
Sat 08 9.00-10.15

Agapios Grigoriadis
Thu 06 14.30-15.45

Guido Gryseels
Sat 08 14.30-15.45

Ângela Guimaraes Pereira
Thu 06 14.30-15.45

Christelle Guiraud
Fri 07 17.00-17.45

Hedinn Gunhildrud
Thu 06 16.30-17.45

Anna Gunnarsson
Thu 06 12.00-13.15 / Thu 06 14.30-15.45 /
Fri 07 12.00- 13.15

H

Amito Haarhuis
Thu 06 12.00-13.15

Jon Haavie
Fri 07 14.30-15.45

Eva Hofstad Hagen
Fri 07 14.30-15.45

Noa Haim
Thu 6 14.30-15.45

Maya Halevy
Fri 07 14.30-15.45 / Sat 08 12.00-13.15

Carina Halvord
Sat 08 9.00-10.15

Esther Hamstra
Sat 08 12.00-13.15

Jaron Harambam
Tue 04 9.00-17.45 / Wed 05 9.00-17.45

Chris Harris
Fri 07 9.00-10.15

Holly Hasted
Thu 06 16.30-17.45 / Sat 08 14.30-15.45

Nils Petter Hauan
Tue 04 9.00-17.45 / Wed 05 9.00-17.45 / Thu 06
16.30-17.45 / Fri 07 12.00-13.15

Christian Haug
Fri 07 14.30-15.45

Sharon Heal
Wed 05 9.00-17.45

Andreas Heinecke
Sat 08 16.30-17.45

Henrik Helsgaun
Thu 06 12.00-13.15 / Fri 07 9.00-10.15

Kim Gladstone Herlev
Thu 06 9.45- 11.00 / Fri 07 14.30-15.45 / Sat 08
12.00-13.15

Ina Heumann
Sat 08 14.30-15.45

Marie Hobson
Thu 06 16.30-17.45

Thomas Hofberger
Thu 06 14.30-15.45

Bernd Holtwick
Sat 08 16.30-17.45

Jaap Hoogstraten
Fri 07 12.00-13.15

Philipp Horst
Thu 06 14.30-15.45

Pippa Hough
Fri 07 14.30-15.45

Peter Hove
Fri 07 14.30-15.45

Aiyana Hudgins
Fri 07 14.30-15.45

Jochen Hunger
Thu 06 16.30-17.45 / Sat 08 14.30-15.45

Mairead Hurley
Thu 06 16.30-17.45

I

Marta Iglewska
Sat 08 9.00-10.15

Ilona Iłowiecka-Tańska
Tue 04 9.00-17.45 / Wed 05 9.00-17.45 / Thu 06
12.00-13.15

Yiotis Ioannidis
Thu 06 14.30-15.45

Evanthia Ioannidou
Sat 08 9.00-10.15

Zain Iqbal
Fri 07 9.00-10.15

Brad Irwin
Fri 07 9.00-10.15 / Fri 07 12.00-13.15 /
Sat 08 9.00-10.15

Lone Isaksen
Thu 06 12.00-13.15

J

Carina Jaatinen
Fri 07 12.00-13.15 / Fri 07 17.00-17.45

Noel Jackson
Fri 07 14.30-15.45

Erik Jacquemyn
Sat 08 14.30-15.45

Christian Jantzen
Fri 07 9.00-10.15

Ryan Jenkins
Wed 05 9.00-17.45 / Thu 06 12.00-13.15 / Thu 06
14.30-15.45 / Thu 06 16.30-17.45 / Fri 07
9.00-10.15 / Fri 07 12.00-13.15

Catherine Johnson
Fri 07 9.00-10.15

Nathalie Joncour
Fri 07 17.00-17.45

Helen Jones
Thu 06 14.30-15.45 / Fri 07 12.00-13.15

David Jones
Wed 05 9.00-17.45

Marie Louise M. Jørgensen
Sat 08 12.00-13.15

Michael Søgaaard Jørgensen
Sat 08 14.30-15.45

Joonas Juutilainen
Sat 08 14.30-15.45

K

Thomas Kaarsted
Fri 07 14.30-15.45

Joanna Kalinowska
Thu 06 14.30-15.45 / Fri 07 12.00-13.15 /
Sat 08 9.00-10.15

Lorenz Kampschulte
Sat 08 16.30-17.45

Peeranut Kanhadilok
Fri 07 14.30-15.45

Mette Marie Karlberg
Fri 07 14.30-15.45

Andromachi Katsonouri-Sazeides
Sat 08 16.30-17.45

Poul Kattler
Tue 04 9.00-17.45 / Thu 06 14.30-15.45 /
Thu 06 16.30-17.45

Bernhard Kehrner
Sat 08 14.30-15.45

Wolfgang Kesselheim
Fri 07 12.00-13.15

Heather King
Sat 08 9.00-10.15 / Sat 08 16.30-17.45

Kate Kneale
Tue 04 9.00-17.45 / Wed 05 9.00-17.45 / Thu 06
12.00-13.15 / Fri 07 9.00-10.15 / Fri 07 17.00-17.45
/ Sat 08 9.00-10.15 / Sat 08 14.30-15.45 / Sat 08
16.30-17.45

Tapio Koivu
Fri 07 14.30-15.45

Thanassis Kontonikolaou
Thu 06 16.30-17.45

Dimitris Kontopoulos
Thu 06 12.00-13.15 / Thu 06 16.30-17.45

Malgorzata Kossowska
Thu 06 14.30-15.45

Malthe Kouassi Bjerregaard
Thu 06 12.00-13.15

Jurij Krpan
Thu 06 16.30-17.45

Maren Krumdieck
Sat 08 14.30-15.45

Martin Kulhawczuk
Fri 07 14.30-15.45

Frank Kupper
Fri 07 12.00-13.15 / Fri 07 17.00-17.45

Marius Kwint
Thu 06 12.00-13.15

L

Guy Labine
Sat 08 12.00 to 13.15

Anne Land
Thu 06 14.30-15.45 / Sat 08 12.00-13.15

Ashley Larose
Thu 06 12.00-13.15

Hanne Haack Larsen
Fri 07 9.00-10.15 / Sat 08 12.00-13.15

Sheena Laursen
Thu 06 14.30-15.45 / Thu 06 16.30-17.45 /
Sat 08 12.00-13.15

Didier Laval
Tue 04 9.00-17.45 / Fri 07 17.00-17.45 /
Sat 08 12.00-13.15 / Sat 08 14.30-15.45

Christel Le Delliou
Fri 7 14.30-15.45 / Sat 08 14.30-15.45

Julie Leclair
Fri 07 17.00-17.45 / Thu 06 14.30-15.45 /
Wed 05 9.00-17.45

Ling Lee
Fri 07 9.00-10.15

Paolo Legato
Fri 07 12.00-13.15

Stefan Leiner
Wed 05 9.00-17.45

Marina Leonard
Sat 08 16.30-17.45 / Thu 06 16.30-17.45

Shaaron Leverment
Wed 05 9.00-17.45

Amparo Leyman Pino
Wed 05 9.00-17.45 / Sat 08 12.00-13.15 /
Sat 08 14.30-15.45

Hakan Lidbo
Fri 07 9.00-10.15

Yihstuan Lin
Thu 06 14.30-15.45 / Fri 07 9.00-10.15 /
Fri 07 12.00-13.15

Riina Linna
Sat 08 9.00-10.15

Joana Lobo Antunes
Sat 08 9.00-10.15

Joana Lobo Vicente
Sat 08 16.30-17.45

Nancy Longnecker
Thu 06 16.30-17.45

Pieter Loots
Thu 06 12.00-13.15 / Thu 06 14.30-15.45

Gail Lord
Fri 07 12.00-13.15

Anke Lükewille
Thu 06 16.30-17.45

Marianne Lykke
Fri 07 9.00-10.15

M

Brad Macdonald
Sat 08 14.30-15.45

Hanne Madsen
Fri 07 14.30-15.45

Karsten Madsen
Fri 07 17.00-17.45

Barbara Malinowska Pohoryles
Sat 08 14.30-15.45

Andrew Manches
Fri 07 14.30-15.45

Alejandro Mancilla
Sat 08 16.30-17.45

Ian Marnane
Sat 08 16.30-17.45

Brian Degn Mårtensson
Wed 05 9.00-17.45

Sebastian Martin
Wed 05 9.00-17.45 / Fri 07 9.00-10.15 /
Sat 08 12.00-13.15

Daniel Martin
Sat 08 9.00-10.15

Jole Martinenghi
Fri 07 9.00-10.15

Luisa Massarani
Fri 07 12.00-13.15

Andreas Matt
Thu 06 16.30-17.45 / Fri 07 12.00-13.15

Monika Mayer
Fri 07 17.00-17.45 / Sat 08 12.00-13.15 /
Sat 08 14.30-15.45

Elizabeth McGregor Jacobides
Tue 04 9.00-17.45 / Wed 05 9.00-17.45 /
Sat 08 16.30-17.45

Luke Mcguire
Fri 07 9.00-10.15

Clare Meakin
Sat 08 9.00-10.15

Deepak Mehta
Thu 06 12.00-13.15

Susan Meikleham
Fri 07 14.30-15.45

Maria Menendez
Tue 04 9.00-17.45 / Wed 05 9.00-17.45

Matteo Merzagora
Fri 07 12.00-13.15 / Fri 07 14.30-15.45 /
Sat 08 12.00-13.15

Annkattrin Meyer
Fri 07 12.00-13.15

Przemek Michalik-Sobolewski
Sat 08 16.30-17.45

Didier Michel
Wed 05 9.00-17.45 / Tue 04 9.00-17.45

Vanessa Mignan
Wed 05 9.00-17.45 / Fri 07 9.00-10.15 /
Fri 07 12.00-13.15 / Sat 08 12.00-13.15

Ronen Mir
Fri 07 14.30-15.45 / Sat 08 12.00-13.15

Marco Miranda
Fri 07 9.00-10.15 / Fri 07 14.30-15.45

Mamoru Mohri
Fri 07 14.30-15.45

Remco Molenaar
Fri 07 12.00-13.15

Ines Montalvao
Tue 04 9.00-17.45 / Thu 06 16.30-17.45 /
Fri 07 9.00-10.15

Lizzy Moriarty
Sat 08 9.00-10.15

Gioia Mosler
Sat 08 9.00-10.15

Theano Moussouri
Tue 04 9.00-17.45 / Wed 05 9.00-17.45 /
Sat 08 16.30-17.45

Marc Moutin
Tue 04 9.00-17.45 / Wed 05 9.00-17.45

Herbert Munder
Thu 06 9.45-11.00 / Fri 07 9.00-10.15

Sergey Mukhametov
Fri 07 12.00-13.15

Catherine Murphy
Thu 06 14.30-15.45 / Thu 06 16.30-17.45 / Sat 08
9.00-10.15 / Sat 08 16.30-17.45

Mikko Myllykoski
Thu 06 14.30-15.45 / Thu 06 16.30-17.45 / Fri 07
12.00-13.15 / Fri 07 14.30-15.45

N

Mai Nguyen
Fri 07 9.00-10.15

Liam Nilsen
Wed 05 9.00-17.45 / Fri 07 9.00-10.15

Katrina Nilsson
Fri 07 12.00-13.15

Amy Noble Seitz
Fri 07 9.00-10.15

Saskia Noordhuis
Thu 06 12.00-13.15

Ana Noronha
Tue 04 9.00-17.45 / Wed 05 9.00-17.45 /
Thu 06 16.30-17.45

Chris Norris
Friday 7 June 9.00 to 10.15

O

Marianna Obrist
Fri 07 12.00-13.15

Jose Augusto Ocampo
Thu 06 14.30-15.45 / Thu 06 16.30-17.45

Audrey O'Connell
Thu 06 12.00-13.15 / Thu 06 14.30-15.45 / Fri 07
9.00-10.15 / Sat 08 9.00-10.15

Maarten Okkersen
Wed 05 9.00-17.45 / Thu 06 12.00-13.15 / Fri 07 9.00-
10.15 / Fri 07 12.00-13.15

Tuomas Olkku
Thu 06 14.30-15.45

Anna Omedes
Fri 07 9.00-10.15

Paul Orsell
Sat 08 14.30-15.45

Rae Ostman
Fri 07 12.00-13.15

Catherine Oualian
Sat 08 9.00-10.15

Anne Kathrine Overgaard
Fri 07 14.30-15.45

P

Cristina Paca
Fri 07 12.00-13.15

Marilena Pace
Fri 07 14.30-15.45 / Sat 08 9.00-10.15

Vesna Pajić
Fri 07 17.00-17.45 / Sat 08 12.00-13.15 /
Sat 08 16.30-17.45

Carole Paleco
Wed 05 9.00-17.45 / Thu 06 12.00-13.15

Sheldon Paquin
Thu 06 16.30-17.45 / Sat 08 12.00-13.15

Anne Viberg Pedersen
Sat 08 9.00-10.15

George Pehlivanides
Fri 07 12.00-13.15

Ran Peleg
Tue 04 9.00-17.45 / Wed 05 9.00-17.45 /
Fri 07 9.00-10.15 / Fri 07 17.00-17.45 /
Sat 08 9.00-10.15 / Sat 08 12.00-13.15 /
Sat 08 14.30-15.45

Andreja Perat
Thu 06 16.30-17.45 / Sat 08 9.00-10.15

Paula Pérez Sobrino
Thursday 6 June 2019 - 14.30-15.45

Floriane Perot
Thu 06 12.00-13.15 / Sat 08 12.00-13.15

Koen Peters
Sat 08 9.00-10.15

Tim Pethick
Thu 6 12.00-13.15

Jacques Petitpré
Tue 04 9.00-17.45 / Wed 05 9.00-17.45

Jane Pickering
Fri 07 9.00-10.15

Sami Pihkala
Thu 06 16.30-17.45 / Fri 07 9.00-10.15 / Sat 08
12.00-13.15

Claire Pillsbury
Sat 08 16.30-17.45

Heidi Pinchal
Thu 06 14.30-15.45

Natalija Polenec
Fri 07 12.00-13.15

Francesca Polo
Fri 07 17.00-17.45

Pedro Pombo
Fri 07 14.30-15.45

Darrell Porcello
Sat 08 12.00-13.15

Marianne Pouget
Fri 07 9.00-10.15

Ines Prieto
Thu 06 14.30-15.45

Nathalie Puzenat
Fri 07 9.00-10.15

Q

Rui Quinta
Tue 04 9.00-17.45 / Thu 06 14.30-15.45 /
Fri 07 9.00-10.15

R

Patricia Rahemipour
Sat 08 14.30-15.45

Shelley Rap
Sat 08 12.00-13.15

Elizabeth Rasekoala
Wed 05 9.00-17.45

Jesper Rasted
Fri 07 9.00-10.15

Christine Reich
Fri 07 14.30-15.45

Elmar Reinhold
Fri 07 9.00-10.15

Térésa Ribeyron
Thu 06 12.00-13.15

Anna Riethus
Fri 07 17.00-17.45
Cybèle Robichaud
Thu 06 14.30-15.45

Manuel Roca
Thu 06 12.00-13.15

Tom Rockwell
Fri 07 12.00-13.15 / Fri 07 14.30-15.45

Paola Rodari
Thu 06 16.30-17.45 / Sat 08 9.00-10.15

Sandra Rodegher
Fri 07 12.00-13.15

Karen Rommelfanger
Sat 08 12.00-13.15

Heidi Rosenström
Thu 06 12.00-13.15

Daniel Rosqvist
Thu 06 14.30-15.45 / Fri 07 17.00-17.45 /
Sat 08 14.30-15.45

Wiebke Rössig
Fri 07 9.00-10.15

Camilla Rossi-Linnemann
Thu 06 16.30-17.45

Petra Rotthoff
Fri 07 9.00-10.15

Agnes Ruiz
Thu 06 12.00-13.15 / Sat 08 14.30-15.45

Ian Russell
Fri 07 14.30-15.45

Adam Rutland
Fri 07 9.00-10.15

S

May Sabbah
Fri 07 9.00-10.15 / Fri 07 14.30-15.45

Asli Samadova
Thu 06 14.30-15.45

Anna Sandven
Thu 06 14.30-15.45

Tibisay Sankatsing Nava
Fri 07 12.00-13.15

Giacomo Sanna
Sat 08 9.00-10.15

Emily Sargent
Sat 08 9.00-10.15

Anna Schaefers
Thu 06 14.30-15.45 / Sat 08 14.30-15.45

Roy Schedler
Tue 04 9.00-17.45 / Wed 05 9.00-17.45 /
Thu 06 12.00-13.15 / Fri 07 12.00-13.15

Sofie Schelde
Thu 06 14.30-15.45

Arne Schirrmacher
Sat 08 14.30-15.45

Juanita Schläpfer-Miller
Fri 07 9.00-10.15 / Sat 08 9.00-10.15

Annelore Scholten
Thu 06 12.00-13.15

Bernadette Schrandt
Thu 06 14.30-15.45 / Thu 06 16.30-17.45 /
Sat 08 9.00-10.15

John Sear
Tue 04 9.00-17.45 / Wed 05 9.00-17.45 /
Fri 07 9.00-10.15 / Fri 07 17.00-17.45 /
Sat 08 9.00-10.15 / Sat 08 14.30-15.45

Holger Seifert
Fri 07 12.00-13.15

Henrik Sell
Wed 05 9.00-17.45

Rob Semper
Sat 08 14.30-15.45

Tina Siehoff
Sat 08 14.30-15.45

Rannei Solbak Simonsen
Tue 04 9.00-17.45 / Wed 05 9.00-17.45 / Thu 06
12.00-13.15 / Sat 08 16.30-17.45

Shivani Singhal
Fri 07 9.00-10.15 / Sat 08 12.00-13.15

Kenneth Skeldon
Thu 06 12.00-13.15

Mette Skov
Fri 07 9.00-10.15

Anna Skrzypek
Thu 06 12.00-13.15

Morten Arnika Skydsgaard
Sat 08 16.30-17.45

Peter Slavenburg
Sat 08 12.00-13.15

Katrien Smet
Thu 06 16.30-17.45

Laura Smillie
Tue 04 9.00-17.45 / Wed 05 9.00-17.45 /
Thu 06 14.30-15.45 / Thu 06 16.30-17.45

Brooke Smith
Tue 04 9.00-17.45 / Wed 05 9.00-17.45 / Thu 06
12.00-13.15 / Fri 07 12.00-13.15 / Sat 08 12.00-13.15

Lena Söderström
Fri 07 12.00-13.15

Claudia Sodini
Tue 04 9.00-17.45 / Wed 05 9.00-17.45 /
Fri 07 9.00-10.15 / Sat 08 9.00-10.15

Brian Southwell
Tue 04 9.00-17.45 / Wed 05 9.00-17.45

Hillary Spencer
Fri 07 17.00-17.45

Anna Starkey
Sat 08 14.30-15.45

Walter Staveloz
Thu 06 12.00-13.15

Mette Stentoft Therkildsen
Fri 07 9.00-10.15 / Fri 07 14.30-15.45

Janet Stott
Fri 07 9.00-10.15

Leigh-Anne Stradeski
Thu 06 14.30-15.45 / Sat 08 12.00-13.15

Barbara Streicher
Wed 05 9.00-17.45 / Fri 07 12.00-13.15 /
Sat 08 12.00-13.15

Rachel Sturgis
Thu 06 12.00-13.15

Martine Svanevik
Sat 08 14.30-15.45

Leonardo Svarc
Fri 07 12.00-13.15

Martin Swift
Wed 05 9.00-17.45

Felicity Sylvester
Thu 06 12.00-13.15

Dagmara Szawdyn
Fri 07 17.00-17.45

T

Maarten Taborsky
Sat 08 14.30-15.45

Marc Tamschick
Sat 08 12.00-13.15

Gillian Thomas
Sat 08 12.00-13.15 / Sat 08 14.30-15.45

Jacob Thorek Jensen
Sat 08 9.00-10.15

Enrico Tombesi
Sat 08 9.00-10.15

Massimiliano Trevisan
Sat 08 9.00-10.15

Charlie Trautmann
Sat 08 12.00-13.15

U

Kathrin Unterleitner
Wed 05 9.00-17.45 / Thu 06 12.00-13.15 /
Fri 07 14.30-15.45

Sebastian Uribe
Wed 05 9.00-17.45

V

Desiree Vaccarini
Sat 08 16.30-17.45

Johanna Vähäpesola
Sat 08 9.00-10.15

Marjolein Van Breemen
Thu 06 16.30-17.45 / Sat 08 14.30-15.45

Bob Van Cleemputte
Sat 08 14.30-15.45

Bart Van Den Berg
Fri 07 14.30-15.45

Nele Van Der Elst
Thu 06 16.30-17.45 / Sat 08 14.30-15.45

Annemarie Van Eekeren
Sat 08 14.30-15.45

Meie Van Laar
Wed 05 9.00-17.45 / Thu 06 12.00-13.15 /
Thu 06 14.30-15.45 / Fri 07 9.00-10.15 /
Sat 08 9.00-10.15 / Sat 08 12.00-13.15

Eugeen Van Wees
Sat 08 9.00-10.15

Rosalia Vargas
Thu 06 12.00-13.15 / Fri 07 9.00-10.15 /
Fri 07 12.00-13.15

Dorothée Vatinel
Fri 07 9.00-10.15 / Sat 08 12.00-13.15

Patricia Verheyden
Fri 07 14.30-15.45 / Sat 08 14.30-15.45

Alex Verkade
Thu 06 16.30-17.45

Friso Visser
Fri 07 17.00-17.45

Vlasta Volak
Fri 07 12.00-13.15

Paul Voogt
Sat 08 14.30-15.45

W

Ilse Wachtelaer
Thu 06 14.30-15.45

Stacy Wakeford
Sat 08 14.30-15.45

Cían Walsh
Thu 06 16.30-17.45

Hélène Wang
Thu 06 12.00-13.15

Peter Wardrip
Tue 04 9.00-17.45 / Wed 05 9.00-17.45 /
Sat 08 16.30-17.45

Andreas Waschk
Fri 07 9.00-10.15

Maja Wasyluk
Thu 06 12.00-13.15 / Fri 07 12.00-13.15

Henrik Wenzel
Fri 07 14.30-15.45

Margaret Wertheim
Fri 07 10.30-11.30 / Fri 07 12.00-13.15 /
Fri 07 16.00-17.45

Robert West
Sat 08 9.00-10.15

Caroline Whalley
Sat 08 16.30-17.45

Rosalie White
Sat 08 14.30-15.45

Harry White
Thu 06 12.00-13.15

Louise Whiteley
Thu 06 12.00-13.15 / Thu 06 16.30-17.45

Andrew Whittington-Davis
Fri 07 12.00-13.15

Jeroen Wiegertjes
Fri 07 14.30-15.45

Karen Wilkinson
Thu 06 14.30-15.45

Aleksandra Wójcik-Głodowska
Thu 06 12.00-13.15

Dorit Wolenitz
Sat 08 12.00-13.15

Melanie Wunsch
Sat 08 14.30-15.45

X

Maria Xanthoudaki
Fri 07 12.00-13.15 / Sat 08 9.00-10.15

Y

Malka Yayon
Sat 08 9.00-10.15 / Sat 08 12.00-13.15

Talila Yehiel
Sat 08 14.30-15.45

Sara Yeo
Tue 04 9.00-17.45 / Wed 05 9.00-17.45 /
Thu 06 12.00-13.15

Z

Alexey Zemko
Fri 07 14.30-15.45

Gabriele Zipf
Thu 06 12.00-13.15

Marjolein Zweekhorst
Sat 08 14.30-15.45

Maria Zolotonosa
Tue 04 9.00-17.45 / Fri 07 12.00-13.15 /
Fri 07 17.00-17.45

BUSINESS BISTRO

1. Effektschmiede GmbH

2. American Museum of Natural History

3. Musealia

4. TMDx and Mash Machine

5. Museum of Science

6. MuseumsPartner

7. CREATE.eu

8. Eliya

9. Exhibits Development Group

10. ArtScience Museum Singapore

11. JVS Group

12. National Geographic

13. TETRAGON S.A.

14. The Visualization Center

15. Interspectral

16. Birdly VR

17. Association of Science-Technology Centers (ASTC)

18. MOTOR

19. Klitgaard Design

20. Archimedes Exhibitions

21. Megalodon Creations AB

22. World Touring Exhibitions

23 | 24. ESA, The European Space Agency

25. Imagine Exhibitions, Inc.

26. Cité des sciences et de l'industrie / Palais de la découverte

27. EXPO Booking

28. YIPP

29. Expology

30. AGT EUROEVENTS LTD

31. NOESIS Thessaloniki Science Center and Technology Museum

32. BODY WORLDS

33 | 34. Science Projects

35. JRA

36. European Research Council (ERC)

37. Pavilion of Knowledge - Ciência Viva

38. Impact Science

39. Exporabbit

40. ESOF2020 Trieste

41. Kiss the Frog

42. ACMI

43. Copernicus Science Centre

44. Vitenparken Campus Ås / The Norwegian BioScience Center

45. Heijmerink Wagemakers BV

46. TRIAD

47. Hüttinger Interactive Exhibitions

48. Guide ID

49. Heureka Overseas Productions Ltd

50. Natural History Museum, London, UK

51. Evans & Sutherland

52. Science North

53. MCW creative agency

54. European Environment Agency

55. European Human Biomonitoring Initiative - HBM4EU

56. Sky-Skan

57. 2020 Ecsite Conference

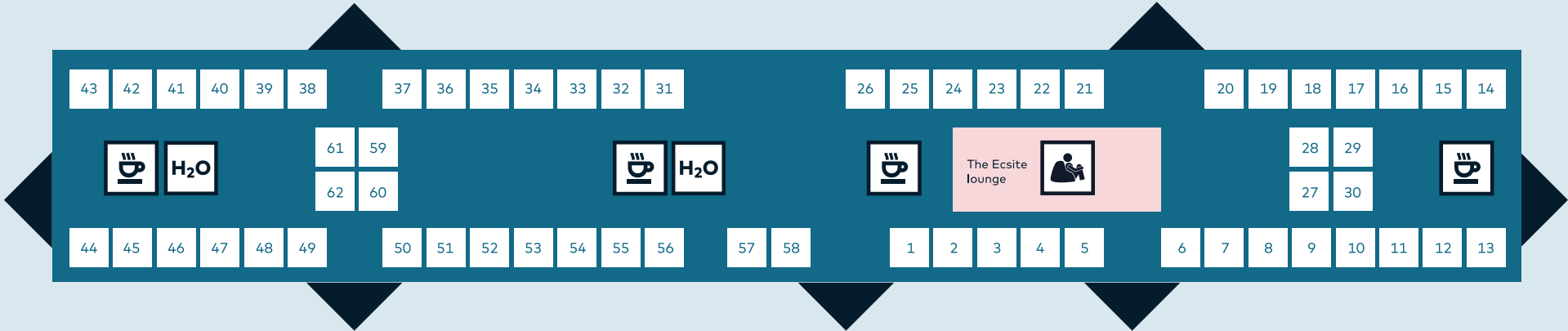
58. Experimentarium

59. ROBETOY AB

60. Bruns

61. Science Museum Group

62. Exhibits.nl



1. Effektschmiede GmbH

Effektschmiede works with natural physical phenomena. We conceive and create installations for science centres, gardens and parks and public spaces. As an experience factory, our work is about inspiring astonishment and inviting people to dream. It plays with fire and water, light and mist, voltage and energy. All installations correspond with the highest technical standards, are tailor-made for the space or room and all are individually planned and conceived by Judith Mann and her team.



2. American Museum of Natural History

The American Museum of Natural History, founded in 1869, is a leading provider of engaging travelling exhibitions and scientific content to partners around the world. From a diverse catalogue of 700 square metre exhibitions to planetarium shows and other offerings, AMNH content has been presented at more than 250 venues on six continents. Drawn from the Museum's cutting-edge scientific research and world-class permanent collection, our award-winning exhibitions are thoughtfully designed to educate, entertain, and inspire visitors of all ages.



3. Musealia

Musealia is a Spanish-based global producer of large-scale exhibitions that are presented at museums and education centres all over the world. With more than 20 years of experience, our vision is to create and manage exhibitions that are distinguished by a strong narrative character, historical and scientific rigour, as well as their emotional impact and educational value. More than 3 million people have visited some of our creations in the more than 40 museums with which we have worked to date in countries such as the United States, Mexico, Germany, Italy, Sweden, Denmark, Ukraine, Portugal, etc.



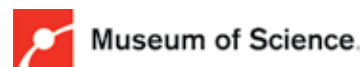
4. TMDx and Mash Machine

TMDx is a modern exhibition design and development studio. We offer various technical and audiovisual solutions from planning and development to implementation and maintenance. Since 2008 we have delivered over 50 exhibitions and hundreds of interactive exhibits. Mash Machine enables groups of people to co-create music, fostering their creativity and cooperation skills. Our product, used in 25 countries for over 5,000 events, has already been installed in 3 museums across Europe with custom content and engagement options. www.mashmachines.com



5. Museum of Science

The Museum of Science in Boston, Massachusetts, USA is a world leader in STEM Education—Science, Technology, Engineering, and Math. From travelling exhibits ('The Science Behind PIXAR' and 'Star Wars®: Where Science Meets Imagination') to PreK – 12 engineering curricula and innovative engagement with the public in our Exhibit Halls and programmes, we seek to empower the next generation of informed and scientifically literate citizens, decision makers, and STEM professionals.



6. MuseumsPartner

MuseumsPartner turnkey travelling exhibitions create unique visitor experiences, worldwide. We combine our extensive experience in international fine art transport, art handling and exhibition design with the latest scientific research of world-renowned partner museums to create high-quality travelling exhibitions. ÖTZI-THE ICEMAN, MARINE REPTILES, MAYA, ORCAS, STONEHENGE, EGYPT and VIKINGS have been seen by millions of visitors all over the world. We provide full services to our partners and offer smart solutions to the challenges of project management, logistics and financial management. Happy to meet you!



7. CREATE.eu

CREATE.eu is a multimedia company that generates new experiences and brings information to life using the latest technology. Thanks to our broad range of skills, we take our client on a journey from concept development and software creation to a live production and installation. All on the same level of quality and creativity. View our work such as VR, AR, apps, visual & light design, serious games and more for a broad spectrum of international clients. Find out how we can help your visitors be amazed and let's CREATE together!



8. Eliya

Outdoor musical exhibits and musical fountains. We lead your outdoor musical exhibit or fountain project from the industrial design studio phase through to production, via plan and manufacture. We use stainless steel, concrete, wood and composite materials to develop and produce exhibits that are both mechanical and electronic. Maintenance and reliability are highly important to us and are part of the design process from the start.



9. Exhibits Development Group

Since 2006, Exhibits Development Group (EDG) has been dedicated to the development, production, marketing, and distribution of traveling museum exhibitions, cultural projects, and corporate collections world-wide. Their staff has over 40+ years of experience and have developed a solid reputation with museums and cultural institutions throughout the world where they offer a suite of exhibition related services including the development, placement and management of traveling exhibitions to supplement and complement existing programmes and resources of museums, collection owners and foundations.



10. ArtScience Museum Singapore

ArtScience Museum at Marina Bay Sands, Singapore is a cultural institution in an iconic building along the Marina Bay waterfront that explores the intersection between art, science, technology and culture. Since opening in February 2011, we have staged large-scale exhibitions by some of the world's major artists including Leonardo da Vinci, Salvador Dalí, Andy Warhol, Vincent Van Gogh, and M.C. Escher. In addition, we have presented significant exhibitions which explore aspects of science including big data, particle physics, natural history, marine biology and space exploration.



11. JVS Group

JVS Group specialises in the promotion, creation, design, production and tour management of large international exhibitions, concerts, shows and cultural events. We operate in the Czech Republic, Slovakia, Poland and Hungary. Our travelling exhibitions are high quality, educational, entertaining and interactive. We developed and produced the biggest world's touring space exhibition, COSMOS DISCOVERY. We also produced the INCA GOLD exhibition.



12. National Geographic

The National Geographic Society is an impact-driven global nonprofit organisation that pushes the boundaries of exploration, furthering understanding of our world and empowering us all to generate solutions for a healthy, more sustainable future for generations to come. Our ultimate vision: a planet in balance. We partner with museums, science centres, universities, galleries, zoos, and aquariums globally on relevant and important exhibition projects. Leveraging award-winning photography and storytelling, we believe in inspiring people to take action to place greater value on the natural world and its people.



13. TETRAGON S.A.

TETRAGON specialises in the following sectors, among others:

- Consulting, design and construction of cultural spaces, museums and environmental infrastructure.
- Design and implementation of permanent and travelling exhibitions, exhibition spaces and events.
- Search and development of innovative products, digital and interactive applications, audiovisual productions, methodologies, documentation services and technologies, showcasing and promotion of cultural heritage, contemporary civilisation and tourist products.



14. The Visualization Center

At the Visualization Center, we create exhibitions, dome shows and more. All this is done in immediate collaboration with our in-house University researchers and scientists, ensuring the quality of the productions together with our team of pedagogues, producers and other staff.

We make dome shows that are available for licensing, and are also looking to license exhibitions or specific interactive exhibits. Our latest exhibition "Decode the Code" has been nominated for the prestigious "Exhibition of the year" award in Sweden.

Read more on www.visualiseringscenter.se



15. Interspectral

Interspectral develops unique interactive learning experiences based on X-ray scans. Visit our booth to explore how the latest advances in visualisation technology have created a new paradigm of interactive 3D learning experiences at museums and science centres around the world. By using our intuitive Inside Explorer table, we will take you on a spectacular tour, guiding you through the inside of the human body, exotic animals, fossils, meteorites and mummies.



16. Birdly VR

Birdly® VR is a one-of-a-kind full-body VR experience, coupling advanced robotics and simulation technology to create an incredibly realistic sensation of flight. Birdly® operators command their flight experience instinctively with arms and hands – movements correlated to the flapping of wings and manipulation of primary feathers for speed, altitude and navigation. The result of Birdly's® precise sensory-motor coupling – including headwind simulation, 3D audio, and visual impact – is an exhilaration that is simply breathtaking.



17. Association of Science-Technology Centers (ASTC)

The purpose for which the Corporation is organized is to further public understanding of science; to improve the operations of science centers and museums serving as community resources for science education; to assist members in achieving the widest participation of all peoples in lifelong science learning, especially those who have been traditionally under-represented in the scientific enterprise; to serve as a vehicle for cooperative projects of mutual interest to its members; and generally to advance the role of science centers and museums in society.



18. MOTOR

For the last 20 years we have been creating concept-based exhibitions for museums and science centres.

We create strong designs and visually immersive thematic worlds, counting more than 30 exhibitions and four World Expos among our experience. At our base in Tallinn we have the facilities to build installations and complex exhibits ready to be delivered globally.

Always innovating, this October we will take our next big leap into the future when the VR Invention Factory PROTO opens.

www.protofactory.ee



19. Klitgaard Design

A small Copenhagen-based company specialised in technical interactive exhibits for museums and science centres. Our strength lies in rock-solid hands-on interfaces, hardware, electronics, and multimedia. We deliver turnkey solutions for exhibitions and museums. In close dialogue with you, we develop outstanding exhibits that will amaze and entertain your customers. See more at www.klitgaard-design.dk



20. Archimedes Exhibitions

Archimedes Exhibitions realises exhibitions, installations and apps for museums, science centres, companies and institutions worldwide. This includes scenography and storytelling, target group analysis, interaction and overall design, programming and production. With more than 20 years experience under our belt, we transform complex scientific, social and political topics into interactive experiences that appeal to all five senses.

Archimedes Exhibitions is a Gold Sponsor of the 2019 Ecsite Conference



21. Megalodon Creations AB

Megalodon Creations is specialised in creating high quality, customised, large-scale exhibitions for rent or sale. We have close collaborations with scientists, engineers and artists, making the exhibitions scientifically correct, safe and visually pleasing for the audience. Through our extensive experience, comprehensive knowledge and passion for perfection, we can serve all your needs, creating the exhibition you desire.

Megalodon Creations - Adding life to dreams
Megalodon Creations AB is a Gold Sponsor of the 2019 Ecsite Conference



22. World Touring Exhibitions

World Touring Exhibitions represent and produce sell-out touring exhibitions for hire. Our roster includes among others: 'Travelling Bricks' (made of LEGO® bricks), 'Interactive Science', '3D Doubt Your Eyes', 'Living Dinosaurs', 'Monsters Of The Sea', 'Space The Final Frontier', 'Da Vinci', 'Michelangelo's Sistine Chapel' (officially licensed by the Vatican), 'Private Marilyn' (featuring Marilyn Monroe's originals). Our exhibitions are dynamic, interactive, flexible, educational, entertaining; they have been displayed worldwide in museums, exhibition centres, shopping malls, corporate venues and even at Formula 1 races.

World Touring Exhibitions is a Silver Sponsor of the 2019 Ecsite Conference



23 | 24. ESA, The European Space Agency

Since 1975 the European Space Agency, ESA, has been pooling the resources of its Member States and leading cooperation with other nations to build a European space capability, undertaking programmes and activities far beyond the scope of any single European country. ESA develops the launchers, spacecraft and ground facilities needed to keep Europe at the forefront of global space activities. Today, it launches satellites for Earth observation, navigation, telecommunications and astronomy, sends probes to the far reaches of the Solar System and cooperates in the human exploration of space. ESA has 22 Member States.



25. Imagine Exhibitions, Inc.

Imagine Exhibitions is currently producing over 35 unique exhibitions globally in museums, science centres, zoos, integrated resorts, and non-traditional venues, with millions of people around the world visiting our exhibitions each year. In addition to developing successful traveling exhibitions, we design, open, and operate permanent installations and venues, and we consult on building, expanding, and directing museums and attractions.

Imagine Exhibitions, Inc. is a Gold Sponsor of the 2019 Ecsite Conference



26. Cité des sciences et de l'industrie / Palais de la découverte

As a centre of excellence for scientific culture, Universcience aims to develop science and technology awareness, encourage vocations and foster innovation. It plays an active role in initiatives for science in society through cooperation, travelling exhibitions and consultancy.

Universcience travelling exhibitions cover a wide range of engaging topics. We are now touring: 'Special Effects', 'Cold', 'Fire', 'Cats & Dogs', 'Enjoy your meal' and a lot more. Soon available for touring: 'Body & Sports', 'Microbiota', 'Playhuts'...

For more details on the exhibitions:

www.universcience.fr/exhibitionservices/

Universcience is a Gold Sponsor of the 2019 Ecsite Conference



27. EXPO Booking

The online booking and resource management system built with established science centres. Meeting the ever-changing and sometimes challenging booking environment of a progressive science centre, EXPO Booking has now handled over 60,000 reservations for more than 800,000 visitors. Since the launch in 2012, EXPO Booking is continuously improved based on new ideas, changing demands and requirements from our users as well as more recent adopters.

EXPO Booking is a Gold Sponsor of the 2019 Ecsite Conference



28. YIPP

YIPP is a studio specialised in designing and producing digital media applications. We combine cutting-edge technology, creative thinking and professional management to develop unique interactive experiences on location. We create software, multimedia and games for science centres, museums and experience centres. Work with us to create inspiring digital things that make an impact.

YIPP is a Gold Sponsor of the 2019 Ecsite Conference



29. Expology

Expology is one of Scandinavia's leading exhibition design studios. As experts and enthusiasts in public learning and engagement, we care about YOUR visitors - visit booth n°29 to see the strides we have made in developing ViewPoint™, our beacon-based visitor engagement app.

Talk to us about sustainable solutions for your own exhibitions. Expology's vision is to 'Make Experience Matter' by setting new standards for visitor engagement, while being of service to our valued customers.



30. AGT EUROEVENTS LTD

We will present four exhibitions. "THE HI-TECH INVENTIONS OF ANCIENT GREECE" is an exhibition part of the Museum of Ancient Greek Technology in Katakolon and Athens, Greece. In "EUREKA, ARCHIMEDES AND HIS TIME", more than 70 inventions by Archimedes as well important moment of his life are presented. This exhibition is presented at the Archimedes Museum in Olympia, Greece. "LEONARDO DA VINCI" features machines and paintings: a different approach to the works, machines and paintings of the Great Genius. "TUTANKHAMUN, A JOURNEY INTO ETERNITY" showcase collection of ca 400 high quality replicas of the most important finds made in the tomb of the boy king.



31. NOESIS Thessaloniki Science Center and Technology Museum

The "IDEA - Ancient Greek Science and Technology" travelling exhibition produced by the NOESIS Thessaloniki Science Center and Technology Museum will take you on a unique journey through the world of Ancient Greek science and technology. Discover inventions that were created during antiquity and influence the development of our societies to this day in important fields of science and technology. Astronomy, architecture, automata or the arts are a few of the thematic areas of this exhibition. Including various artifacts, IDEA highlights the most important moments of world history and the contribution of the Greek spirit to it.



32. BODY WORLDS

Gunther von Hagens' BODY WORLDS exhibitions present more than 200 unique plastinates that show the function of individual organs as well as common diseases.

The primary goal of the exhibitions' creators is preventive healthcare. Their BODY WORLDS exhibitions were conceived to educate the public about the inner workings of the human body and to show the effects of healthy and unhealthy lifestyles. Targeted mainly at a lay audience, the exhibitions aim at inspiring visitors to become aware of the fragility of their bodies and to recognise the anatomical individual beauty inside each of us.



33 | 34. Science Projects

Science Projects is a UK based non-profit organisation with over 30 years of experience in the field of interactive exhibits. We have our own Science and Discovery Centre - The Observatory Science Centre in East Sussex; an internationally recognised exhibit Design & Build service; and interactive travelling exhibitions for hire.

Come and talk to us about interactive exhibits or see our work at Experimentarium's 'The Beach' Gallery.



SCIENCE
PROJECTS

35. JRA

At JRA, we understand that a science centre's primary mission is to educate. We also understand that learning can be fun. Using strong storylines, immersive environments and interactives, our STEAM-based exhibits engage visitors in the joy of learning. Our staff counts content developers, planners, designers, media producers and project managers. We are capable of providing a range of services — from master planning to exhibit design to project management and art direction. And to all of it, we bring consistent innovation. Clients include Science Centre Singapore, The Mind Museum, and King Salman Science Oasis.



36. European Research Council (ERC)

The European Research Council (ERC) was established in 2007 by the European Commission with the aim of stimulating scientific excellence across Europe. For the period 2014 to 2020, it has a budget of over € 13 billion distributed through annual grant competitions. The ERC has become known as a world-class institution funding the best and most creative scientists to identify and explore new opportunities and directions in any field of research, without thematic priorities. Driven by curiosity, ERC-funded projects bring about new and unpredictable scientific and technological discoveries. It is important that the community of professionals who engage audiences with science and technology are aware of these achievements. The ERC has recently funded a communication campaign, ERC=Science2, which includes activities in science centres and museums coordinated by Ecsite.



37. Pavilion of Knowledge - Ciência Viva

The Pavilion of Knowledge – Ciência Viva is the largest science centre in Portugal, welcoming more than 700 visitors each day. It opened in 1999, with the aim to inspire and mobilise visitors in exploring the world through science and technology. Hundreds of interactive exhibits spread over 3000 m2 invite visitors to enjoy the meaning and power of science. In addition we offer professional programmes for educators and educational activities that spark curiosity and critical thinking among visitors, developing their foundational skills and contributing to an empowerment of citizenship based on scientific knowledge.



38. Impact Science

Impact Science offers comprehensive solutions across the research project lifecycle ranging from impact planning and dissemination to engagement and case study writing and assessment. We also offer standalone services tailored to the needs of specific project stages, such as impact writing and impact evaluation. Through our dissemination services of videos, infographics, policy briefings, project websites, and more, we help you engage with policymakers, industry, and charities. In short, our suite of services helps maximize the reach and significance of your impact and ensures that you have robust evidence of the change your research has made in the world.



39. Exporabbit

Exporabbit offers custom solutions for science centres and museums. We are passionate about creating an innovative environment for a better learning experience.

Our competencies include space planning, graphic design, 3D, animations, production and strong project management.



40. ESOF2020 Trieste

On 5-9 July 2020 Trieste will be hosting the EuroScience Open Forum, the largest interdisciplinary meeting in Europe dedicated to science and innovation, a unique platform for interaction between scientists, policy makers, entrepreneurs, activists and citizens at large. From 27 June until 11 July the "Science in the City" Festival accompanies the Forum with exhibitions, shows, workshops and performances. Public engagement with science will be discussed at the conference and performed on stage at the festival. If you wish to submit a proposal for ESOF or the Festival, the two calls are open: www.esof.eu



41. Kiss the Frog

Kiss the Frog is a digital design agency specialised in interactive visitor experiences. We design the journey of the visitor and create the technology that makes the magic work. For more than 15 years we have been delivering high quality interactive media for museums, science centres and corporate experiences all over the world. We are a tight-knit team of designers and creative coders. Our dynamic crew of innovative developers, inspiring designers, and highly skilled project managers encompass creative thinking with practical know-how. Take a look at our online portfolio on www.kissthefrog.nl/work.

KISS THE FROG
INTERACTIVE MEDIA
CREATIVE TECHNOLOGY



42. ACMI

ACMI is Australia's national museum of film, TV, video games, digital culture and art. A globally unique cultural institution, ACMI presents and champions the art and culture of the moving image, to celebrate, support and explore the past, present and future of screen culture and innovation. ACMI's touring exhibitions focus on the nexus between art, science, technology and culture. Three international exhibitions are currently on tour and available for hire: 'DreamWorks Animation', 'Game Masters' and 'Wonderland'.



43. Copernicus Science Centre

The Copernicus Science Centre conducts modern science communication through interactive exhibitions, shows and workshops on scientific themes, debates and discussions as well as activities from the borderland of science and art. It also builds exhibits, applying authorial technological solutions thanks to which physical phenomena are presented with precision and the exhibits themselves are simple to operate and use. The mission of the Centre is to inspire curiosity, assist the independent discovery of the world, help to learn and inspire social dialogue on science. Please visit us at our stand.



44. Vitenparken Campus Ås / The Norwegian BioScience Center

Vitenparken is a science centre that aims to fast forward the green transition and nudge the development of a green, sustainable economy. We inspire interest and engagement in food, environment, climate change and sustainability by innovative and creative science communication as well as art & cultural expressions. We develop and produce installations focused on sustainability and often related to food. We also develop and produce apps and games. Our installations, apps and games come complete with pedagogical programmes for a large variety of age groups developed by our specialist pedagogues.



45. Heijmerink Wagemakers BV

Heijmerink Wagemakers is specialised in project management, engineering and the construction of experiences and narrative places.

We combine creativity with technology to create reliable solutions. We closely cooperate with the client and designer from the planning stage to final delivery.

With a phased project approach, we bring structure to communication, planning and decision-making. We are committed to transparency in budgets and in quality of technical solutions. We have our own production site in which prototypes and unique specimens are made and where new techniques are tested. We also involve a network of partners in many disciplines to produce and deliver together any exhibit, exhibition or experience.

Come visit our booth and get to know us via our interactive game 'First Time Right'!



46. TRIAD

TRIAD Berlin has been designing and producing exhibitions, museums, science centres, trade fairs, brand environments, retail spaces, and events since 1994. Our in-house services cover the entire range of project development – from strategic consulting, scenographic development, concept design, and media production to construction planning and engineering. We create a wide variety of interactive exhibits that inspire visitors to explore complex subjects as well as seemingly everyday issues.

TRIAD is based in Berlin and Shanghai.



47. Hüttinger Interactive Exhibitions

Hüttinger is a one-stop shop for exhibition planning, design and fabrication, working for clients on an international scale. We develop exhibitions that promote exploration and understanding through multi-sensory experience. Our preferred method of working is the design-and-build approach. This, together with a large in-house capacity, enables us to plan and provide turnkey solutions within a single project cycle, resulting in time savings, cost savings and, ultimately, a far more satisfactory exhibition. The essential prototyping is integral to the entire process.



48. Guide ID

At Guide ID we believe that people are curious. All around the world, people want to hear stories about buildings, parks, objects, historical sites, experiences, football stadiums and special collections. We use technology to help our clients worldwide to tell stories to their visitors and generate additional revenues by providing the world's easiest audio guide combined with intelligent visitor analytics and marketing tools to build long time relationship with their visitors. We are providing our services in 19 countries on 4 continents. A full client list can be found at www.guideid.com.



49. Heureka Overseas Productions Ltd

Heureka, the Finnish Science Centre, creates world-class exhibitions and experiences for all. Since 1989, Heureka has produced 30 touring exhibitions. Our exhibitions have travelled to 28 countries and over 25 million people worldwide have seen them. On top of our travelling exhibitions we will enter the state-of-the-art edutainment world through a full offering of all science centre related services, from consulting to copies. For further information please contact Heureka Overseas Productions Ltd hop@heureka.fi and see www.heureka.fi/hop



50. Natural History Museum, London, UK

The Natural History Museum in London, UK, is a world-leading science research centre housing 300 research scientists and a collection of more than 80 million specimens. Through its collections and scientific expertise, the Museum is helping to conserve the extraordinary richness and diversity of the natural world with ground-breaking projects in 68 countries. The Museum is committed to promoting public understanding of science. This is greatly enhanced by the Darwin Centre, which offers visitors unique access behind the scenes of the Museum.



51. Evans & Sutherland

E&S is the world's first computer graphics company and has developed advanced computer graphics technologies for almost four decades. Focusing on digital planetariums, E&S, through its European representative Skypoint Planetariums, offers DIGISTAR, the world's leading digital planetarium system, full dome programmes and production services, giant screen films formatted for full dome theatres, premium-quality projection domes and theatre design services. NEW! Digistar Lite: with advanced features and a competitive price, it will revolutionise the way you present full dome astronomy in your mobile or small fixed dome.



52. Science North

Science North is Northern Ontario's most popular tourist attraction and an educational resource for children and adults across the province. Science North maintains the second- and eighth-largest science centres in Canada: Science North, featuring an IMAX® theatre, digital Planetarium, butterfly gallery and Special Exhibits Hall, and Dynamic Earth – Home of the Big Nickel, an earth sciences centre.



53. MCW creative agency

MCW is a creative multimedia agency based in Rotterdam. Creative, as we are always able to step outside the bounds of the conventional to find a perfect and unique solution. Multimedia, as evidenced by the variety of studios that seamlessly combine their particular specialties: internet, cross-media, 3D visuals & animation, film and sound. Whether you need corporate storytelling, interactive museum exhibits, graphic design, animation or virtual reality experiences, at MCW you can find all of the knowledge, creativity and experience needed to tell beautiful, sweet, raw and breath-taking stories.



54. European Environment Agency

The European Environment Agency (EEA) is an agency of the European Union, whose task is to provide sound, independent information on the environment. The EEA supports sustainable development through the provision of timely, targeted, relevant and reliable information to policymaking agents and the public. The European environment information and observation network (Eionet) is a partnership network of the EEA and its member and cooperating countries. Through Eionet, the EEA brings together environmental information from individual countries concentrating on the delivery of timely, nationally validated, high-quality data.



55. European Human Biomonitoring Initiative - HBM4EU

Our bodies are contaminated with chemicals that affect our health. Human biomonitoring is a tool for identifying the presence of chemicals in your body. Funded by the European Commission, HBM4EU is coordinating human biomonitoring across 28 European countries to generate evidence of the exposure of citizens to chemicals and understand the effects on health. The European Environment Agency is working to translate this evidence into policy action to protect human health. You can meet HBM4EU at booth 55 and at our panel session on chemicals, the environment and human health at 16:30 on Saturday 8 June.



56. Sky-Skan

Sky-Skan, an Ecsite Conference Sponsor since 2002, is a global leader in innovative multi-media products and services to communicate science using cutting-edge visualisation technologies. Today, with the largest collection of scientifically accurate data sets available, together with advanced multimedia presentation capabilities, Sky-Skan's Definiti® theatres and installations, powered by our DigitalSky Dark Matter Software, immerse audiences in other worlds, with the experience of being transported from the smallest known particles to edge of the known universe. Please stop by our booth to say hello.

Sky-Skan is a Gold Sponsor of the 2019 Ecsite Conference.



57. 2020 Ecsite Conference

In 2020 the Ecsite Conference will be taking place in Slovenia for the first time in Ecsite history. Green capital Ljubljana, its cosy atmosphere and central location on the European map will contribute to this edition's uniqueness, together with the host organisation's edgy art & science projects: at the Kersnikova Institute, scientists, artists, mediators and engineers are working together to create new meanings and visual vehicles. The "Echoes from the future" conference theme is an invitation to the wide science engagement community to dialogue with this avant-garde and to revisit its role in the fast-approaching future.



58. Experimentarium

Experimentarium is a science centre for all of Denmark. Since 1991, we have explored the world through science and technology together with millions of curious children and adults. Experimentarium is a non-profit foundation whose aim is to stimulate people's interest in science and technology. Our target audience is the entire population, with a special focus on children and young people. We believe that knowledge and curiosity come alive with a hands-on approach. Therefore, everything is designed to be touched at Experimentarium, so that play and learning always go hand in hand.

**EXPERI
MENT
ARIUM**

59. ROBOTY AB

Do you need exciting products in your museum shop? At Robotoy we are always working to keep our museum assortment up to date. In our webshop you will find the latest and the classics within toys suitable for science centres, historical museums and aquariums.

You are welcome to visit us at www.robotoy.eu or contact Robert Holmgren at robert.holmgren@robotoy to receive a log in account to the webshop

ROBOTY
TOYS AND GIFTS

60. Bruns

Bruns started in 1963 as a specialist in model making and has become a strong family company with a leading position as manufacturer of innovative, interactive exhibits and complete exhibitions, including maintenance.

Bruns has emerged as an all-round multidisciplinary partner since it hosts all necessary fit-out disciplines in-house.

Our contribution to projects is driven by an ambitious goal: to offer visitors a complete experience and maximum educational value.

BRUNS

61. Science Museum Group

The UK's Science Museum Group (SMG) is the world's most significant museum group devoted to science. Governed by the Board of Trustees, SMG comprises the Science Museum, the National Railway Museum, the National Media Museum and the Museum of Science & Industry. Since 2014, the group have created a range of inspiring and diverse touring exhibitions available to hire and display for national and international venues. We are also pleased to offer consultancy services to museums and science centres.

**SCIENCE
MUSEUM
GROUP**

62. Exhibits.nl

Exhibits.nl is a leading supplier of interactive exhibits, operating worldwide to the highest quality standards. Our exhibits are innovative, fun, educational and above all, of world-class built quality. Exhibits.nl produces high-quality, innovative and interactive 'off-the-shelf' exhibits.

The exhibits can be supplied in any colour. Most exhibits are plug and play, making them easy to install. Of course, we can arrange the installation of exhibits on location as well as their maintenance. Please check out details of over one hundred exhibits online at www.exhibits.nl

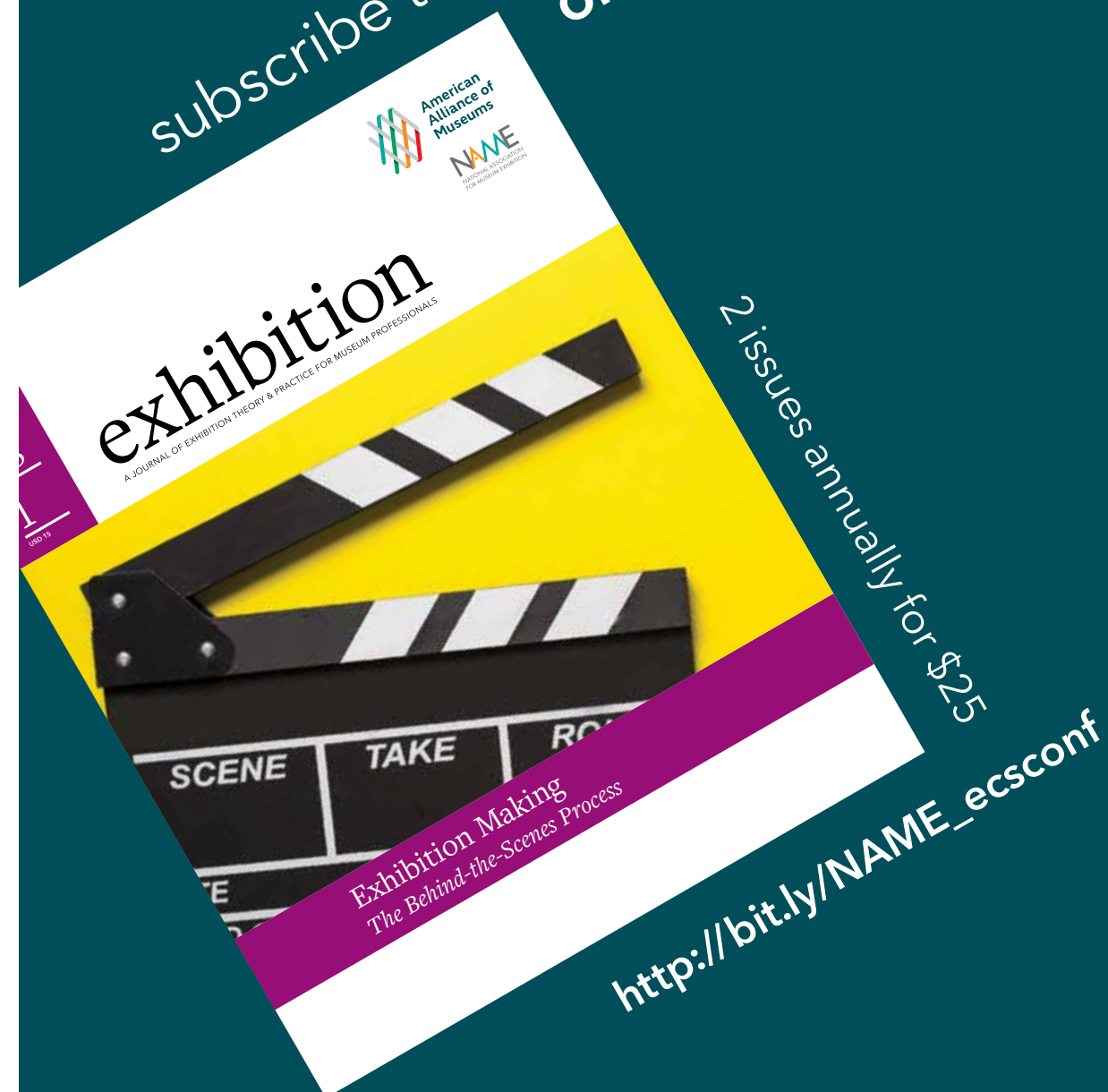
 **exhibits.nl**



**American
Alliance of
Museums**

NAME
NATIONAL ASSOCIATION
FOR MUSEUM EXHIBITION

subscribe to the field's leading journal
on museum exhibitions





Local information

Copenhagen is said to be the world's most liveable city. Every bit of Copenhagen is designed for life, from the buildings and architecture, the food and the water, the many bikes and the intelligent infrastructure to the free education, free health care, and a society firmly focused on the balance between work and play.

Copenhagen is a pocket-sized fairy tale and at the same time a buzzing and innovative hub of ideas. Copenhagen is a city large enough for every kind of life philosophy, but small enough to bicycle from one end to the other in twenty minutes. The Copenhagen lifestyle is based on tradition, science, history and culture, yet constantly moving forward, giving the city a unique blend between the harmonies of old world charm and the progressive beat of a truly cosmopolitan city. Experimentarium is only a short bus trip or bicycle ride away from most parts of Copenhagen.

How to get around

The public transport infrastructure of Copenhagen is among the most efficient and reliable in the world. We strongly recommend it. Copenhagen offers an extensive and very convenient public transport system of buses and trains, running until late at night (about 1am during the week, and roughly every 20 minutes at the weekend). Public transport is well connected to the airport too. It takes less than 15 minutes to go from Copenhagen Airport to the city centre by train or metro.

Check out any trip via the online Journey Planner at www.rejseplanen.dk or with the 'Rejseplanen' mobile app. You'll find the address of each social event and joining instructions on the relevant page inside the programme.

Ecsite Conference participants can buy a discounted Travel Pass which gives unlimited transportation by train, bus and metro within the entire metropolitan area, including transportation to and from the airport. It costs DKK 36 (approx. €5) per day. Purchase your own Travel Pass via the conference practical information page if you haven't already done this (www.ecsite.eu/annual-conference/practical-information). Find details on how to get around using public transport in the FAQ section of the conference's website.

Sights

Most of Copenhagen's most popular attractions and sights are within walking distance. With a history that dates back to 1043, the city is full of historic landmarks, significant buildings and interesting sights and museums.

More on www.visitcopenhagen.com

Good to know: Experimentarium will be open on the weekend before the Conference and again from the Monday after. Conference participants will be able to visit Experimentarium for free and accompanying family and friends will get a 20% discount during the week before and after the Conference.

Monuments & royalty

The Little Mermaid

At Langelinje Pier you will find one of Copenhagen's most famous tourist attractions: the sculpture of The Little Mermaid. Unveiled on 23 August 1913, The Little Mermaid was a gift from Danish brewer Carl Jacobsen to the City of Copenhagen. The sculpture is made of bronze and granite and was inspired by Hans Christian Andersen's fairy tale about a mermaid who gives up everything to be united with a young, handsome prince on land.

The Christiansborg Palace

Christiansborg Palace, located on the tiny island of Slotsholmen, contains the Danish Parliament Folketinget, the Supreme Court, and the Ministry of State. Parts of the palace are used by the Royal Family for various functions and events. The Royal Reception Rooms include The Tower Room and The Oval Throne Room where foreign ambassadors to Denmark are received by the Queen.

www.kongeligeslotte.dk/en/palaces-and-gardens/christiansborg-palace

Amalienborg Palace

Amalienborg Palace is a must for anyone with a taste for royal history and the life of Denmark's royal family, which still resides inside the palace. Experience royal history at the museum and get a sense of the present in terms of one of the world's oldest monarchies from the beautiful palace square where you can watch the changing of the guards.

www.kongernessamling.dk/en/amalienborg

The Round Tower

The 17th century tower and observatory Rundetårn, or the round tower, is the oldest functioning observatory in Europe. When Christian IV built the tower, Denmark was quite famous for its astronomical achievements thanks to the astronomer Tycho Brahe. When he died in 1601, the King wished to continue Brahe's research, and thus the round tower came into being. To get there you need to walk up the spiral walk.

www.rundetaarn.dk/en

Copenhagen City Hall

The Copenhagen City Hall is the headquarters of the municipal council as well as the Lord Mayor of the Copenhagen Municipality. The building is situated on The City Hall Square in central Copenhagen and was built in the years 1892-1905. In recent years the City Hall has been used for scenes in Danish hit tv series like "The Killing" and "Borgen". The City Hall, with its 105.6 metre tower is one of the tallest buildings in Copenhagen and offers a great view over the city.

www.visitcopenhagen.com/copenhagen/copenhagen-city-hall

Rosenborg Castle

A royal hermitage set in the King's Garden in the heart of Copenhagen, Rosenborg Castle features 400 years of splendour, royal art treasures and the Crown Jewels and Royal Regalia. Rosenborg Castle was built by one of the most famous Scandinavian kings, Christian IV, in the early 17th century and is also home to the crown jewels.

www.kongernessamling.dk/en/rosenborg

Nice neighbourhoods to hang out in

Nyhavn

Especially during summer, Nyhavn is the perfect place to end a long day. Originally, Nyhavn was a busy commercial port where ships from all over the world would dock. The area was packed with sailors, pubs and alehouses. Today the beautiful old houses have been renovated and restaurants dominate the old port. Nyhavn is filled with people enjoying the relaxed atmosphere by the canal, jazz music and great food.

www.nyhavn.com

Experience colourful Christiania

Freetown Christiania is Copenhagen's alternative neighbourhood. Christiania is a mix of homemade houses, workshops, art galleries, music venues, cheap and organic eateries, and beautiful nature. It is still a society within a society. The area is open to the public – even with guided tours, run by the local Christianites.

www.visitcopenhagen.com/copenhagen/culture/alternative-christiania

Amusement parks

Tivoli Gardens

Tivoli Gardens amusement park in Copenhagen is a must for all visitors to the city, young and old. Tivoli is located in the middle of Copenhagen. Tivoli Gardens was founded in 1843 and has become a national treasure and an international attraction. Fairy tale writer Hans Christian Andersen visited many times. Part of Tivoli Gardens' secret is that there is something for everyone. The scenery is beautiful with exotic architecture, historic buildings and lush gardens.

www.tivoligardens.com

Bakken

Just north of Copenhagen you will find Bakken, the world's oldest amusement park. Bakken is located in the lush woodlands of Jægersborg Dyrehave, a wonderful green area, where you find yourself surrounded by 400-year-old trees and almost 2,000 wild deer.

www.bakken.dk

Restaurants

You'll find a selection of recommended restaurants online, here:

<https://www.ecsite.eu/annual-conference/practical-information/faq#6>

Museums & their cousins

Louisiana Museum of Modern Art

The beautiful museum, Louisiana Museum of Modern Art, is located 40 kilometres north of Copenhagen and it has gained a reputation as a museum in touch with the zeitgeist of the contemporary art world. Experience international artists, concerts and lectures.

www.louisiana.dk/en

Botanical Garden

Botanical Garden is located in the centre of Copenhagen. The garden covers an area of 10 hectares and is particularly noted for its extensive complex of historical glasshouses dating from 1874. The garden is open to the public. Exclusive tours are planned for Ecsite Conference attendees – check times in the programme at a glance and register at the Conference's Information desk.

snm.ku.dk/english

Zoological Museum

Travel through time and experience Denmark's animal life from the past to the present at Zoological Museum in Copenhagen. Take a walk among mammoths, woolly-haired rhinos, steppe bison, and giant deer once native to Denmark. At the Natural History Laboratory room, you can touch the stuffed animals and the skeletons.

Exclusive tours are planned for Ecsite Conference attendees – check times in the programme at a glance and register at the Conference's Information desk.

zoologi.snm.ku.dk/english

Geological Museum

(The Natural History Museum of Denmark)

Geological Museum in Copenhagen includes a number of geological collections. At the museum you can see objects such as rocks, minerals, meteorites and fossils. You can explore and discover more about the Solar system and the Earth, and the forces of nature which have shaped our own planet and life upon it through millions of years.

geologi.snm.ku.dk/english

The National Museum

Denmark's National Museum in Copenhagen has exhibitions from the Stone Age, the Viking Age, the Middle Ages, the Renaissance and Modern Danish History. The National Museum is located in The Prince's Palace, built in 1743-44. It is no longer used by the royal family, but the Great Hall still appears elegant enough to accommodate princes and princesses.

en.natmus.dk

Tycho Brahe Planetarium

The Tycho Brahe Planetarium is Denmark's most advanced centre for popularising astronomy and space research and promoting knowledge on natural science. Check out 'Made in Space', an inclusive and engaging exhibition about astrophysics that won a Mariano Gago Ecsite Award in 2018 in the 'Sustainable Success' category.

www.planetariet.dk/en

Glyptotek

Ny Carlsberg Glyptotek in the heart of Copenhagen displays ancient and modern art in truly unique surroundings. Founded in 1888 by the brewer Carl Jacobsen (1842-1914), the art museum contains two main departments combining art in impressive architectural surroundings.

www.glyptoteket.com

Medical Museion

Medical Museion is a university museum exploring "the culture of medicine - yesterday, today, tomorrow". Medical Museion has one of the biggest and richest historical collections of medical artefacts in Europe and is internationally known for its experimental approach to science communication and exhibition making. *Exclusive tours are planned for Ecsite Conference attendees – check times in the programme at a glance and register at the Conference's Information desk.*

museion.ku.dk

SMK – The National Gallery of Denmark

The National Gallery of Denmark is Denmark's largest art museum, featuring outstanding collections of Danish and international art from the past seven centuries. It is located just a stone's throw from Copenhagen's Nørreport station. Here you can experience special exhibitions, the royal collections, guided tours, performances, art talks, concerts, workshops and much more.

www.smk.dk/en

National Aquarium Denmark, Den Blå Planet

Den Blå Planet (The Blue Planet) is Northern Europe's largest aquarium and offers a unique experience for children and adults. Den Blå Planet is surrounded by water and is intended to give the visitors the feeling of being under water. The new building has five "arms" leading out from the centre of the aquarium. That way, guests can choose their own way around the aquarium to see the exotic animals.

denblaaplanet.dk/en



2020 Ecsite Conference

11 – 13 June 2020

Ljubljana, Slovenia



How will climate change, big data, personalised medicine, artificial intelligence, fake news or biodiversity loss shape the future science engagement?

*How will our missions, discourses, tools evolve?
What new skills, partnerships, management styles or collections policies do we need for the future?*

Science engagement organisations could be one of the spaces where **challenging ethical questions** are tackled and the future anticipated and co-invented. At a time when public discourse about the future seems torn between **hopeless dystopia** and **hopeful reliance** on technology, can we **empower citizens** to **envision, shape** and **demand** more **sustainable, ethical, human-led** and **human-centred solutions**? Can we go further and create **participatory opportunities** for citizens to **share responsibility** for and co-own the future's production mechanisms?

ECHOES from the FUTURE



evakusjak
k



About Ecsite

Ecsite is the European network of science centres and museums.

Ecsite's vision is to foster creativity and critical thinking in European society, emboldening citizens to engage with science.

Active in the field of science engagement, our 320+ members include science centres, museums, research bodies, festivals, universities, planetariums, foundations and learned societies, companies offering products and services to the field, local authorities, etc.

Ecsite members' convening power draws more than 40 million citizens each year to science-related debates, exhibitions, workshops, events or platforms.

As a network, Ecsite catalyses its members' collective strengths into a powerful voice, at the forefront of public engagement with science.

To service its members, Ecsite organises the largest professional science communication conference in Europe, represents science engagement at a European level, shapes and spreads best practice through its publications and Awards, takes part in European projects – and more.

Join or partner up

Ecsite welcomes organisations in the field of science engagement, be they public or private, non-profit or commercial.

Different memberships are available – see www.ecsite.eu for more information and the online application form or email info@ecsite.eu with questions.

Ecsite also offers a range of partnerships and sponsorships, as well as advertisement options. Don't hesitate to get in touch at info@ecsite.eu

Key benefits for members

Attend the Ecsite Conference at a reduced fee;

Be invited to participate in EU-funded projects;

Spread your news and events through Ecsite communications channels;

Promote your touring exhibitions on EXTRA, the marketplace for scientific touring exhibitions;

Exhibit, sponsor and advertise at the conference and on the Ecsite website at reduced rates;

Run for the Mariano Gago Ecsite Awards;

Attend the Directors Forum, an intimate event bringing together decision makers of the field for two days of networking and peer learning (Full members only).

The next Directors Forum will be taking place on 13-15 November 2019 in Trondheim, Norway. Registration is open: join 2.5 days of high level contents and networking on the theme "Future thinking - the Sustainable Development Goals as an opportunity for developing organisations".

Celebrating 30 years of Ecsite

On 17 October 1988, ten European delegates of the Association of Science Technology Centers (ASTC) conference met at the Roof café of the Museum of Science, Boston. Inspired by the peer learning already enabled by ASTC for 15 years and convinced that the growing European science centre stage needed its own professional exchange hub, this group of people decided to found a European network of science centres.

A few weeks later, on 9 January 1989, two dozen science centres were represented at Ecsite's founding meeting at Cité des Sciences et de l'Industrie in Paris. It took 2.5 more years until the creation of Ecsite as a legal entity – which did not prevent the first Ecsite conference from taking place in the meantime from 19-20 June 1990, gathering a little less than 100 people at Museum in The Hague.

In 30 years, membership numbers, conference crowds and the Ecsite team all multiplied by ten. Yet in spite of our network's and field's impressive growth and diversification beyond Ecsite's "historic" science centre and science museum membership, the founding values of cooperation, openness, professionalism, generosity and diversity are intact. This is not a miracle: they have been passed on and nourished by an ever-growing web of passionate professionals.

Mirroring the network's gestation that took multiple gatherings and several revolutions around the Sun, thirty years later we decided to grant ourselves the luxury of time: the extended Ecsite family is invited to a whole anniversary season, that started in autumn 2018 and will span several months.

This is an invitation to celebrate, reflect and act: we are taking pride in our accomplishments, cheering together, and using this opportunity to shape the future. Under the unifying hashtag #Ecsite30, the season is combining a few carefully orchestrated happenings with spontaneous elements emerging from our community's collective wishes and creativity, true to Ecsite's collaborative and bottom-up spirit. Seize #Ecsite30 and turn it into a meaningful springboard for the future!

#Ecsite30 moments at the Conference

Opening Ceremony, Thursday 6 June, 9.45 - 11.00: discover our anniversary video

"30 years of Ecsite" session, Friday 7 June, The Beach, 12:00 - 13:15: join this participatory session and put the "celebrate-reflect-act" anniversary motto into practice

Nocturne, Friday 8 June, 22.00: cheer and sing along at a big "happy birthday" moment

From Thursday to Saturday: leave a wish for the future as part of our beautiful anniversary installation on the 2nd floor



We can support you with:

Ideation

Creative concept development for campaigns and programmes

Training

Workshops in public engagement, interdisciplinary collaboration, team building

High impact events

Unique experiences that connect audiences with your content

Our clients include:

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Science Museum London
Wellcome
The Smithsonian
Barbican Centre
National Portrait Gallery
Google
NASA

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entertain / challenge / amaze

EXPERIENCES



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universcience.fr/exhibitionservices



We are Bruns, specialized in the development, production and installation of interactive exhibits and exhibitions. Our contribution to project is driven by an ambitious goal: to offer visitors a complete experience and maximum educational value.

Started in 1963 as a specialist in model making, Bruns has become a strong family company with a leading position as manufacturer of interactive exhibits, showcases and complete exhibitions, including the maintenance. At this moment our team contains 100 FTE professionals. Bruns has emerged itself as an all-round multidisciplinary partner since it host all necessary disciplines in-house.

More about Bruns and other projects on our website www.bruns.nl

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BRUNS

Executive Committee



Presidency
Universum
(Bremen, Germany)
Herbert Munder
General Manager



Past Presidency
NEMO Science Centre
(Amsterdam, The Netherlands)
Michiel Buchel
CEO



Vice-Presidency
Natural Sciences Museum of Barcelona
(Barcelona, Spain)
Anna Omedes
Director



Treasury
Heureka - The Finnish Science Centre
(Vantaa, Finland)
Tapio Koivu
CEO



Ecsite Executive Director
Catherine Franche

Trustees



Cité de l'espace
(Toulouse, France)
Jean Baptiste Desbois
Executive Director



Copernicus Science Centre
(Warsaw, Poland)
Robert Firmhofer
Chief Executive Officer



Experimentarium
(Hellerup, Denmark)
Kim Gladstone Herlev
Executive Director



focusTerra – ETH Zurich
(Zurich, Switzerland)
Ulrike Kastrup
Museum Director



Fondazione IDIS - Città della Scienza
(Naples, Italy)
Luigi Amodio
Director of the Science Centre

Ecsite Board

Ecsite Board members are elected by the Annual General Assembly, the governing body of Ecsite composed of representatives from Full member organisations. Among other duties the Board defines Ecsite's strategic orientations and budget and is responsible for the association's legal compliance and financial sustainability. Board members serve for a two-year period renewable twice for a maximum of six years.

The Annual General Assembly is taking place during the conference: Friday 7 June, 15.45-17.00, The Eatery.

Experts



Mikko Myllykoski
Experience Director
Heureka - The Finnish Science Centre
Vantaa (Finland) – Chairperson



Carlos Catalão Alves
Board Member,
Pavilion of Knowledge - Ciência Viva,
Lisbon (Portugal)



Maria João Fonseca
Interim Executive Coordinator
Natural History and Science Museum
of the University of Porto (MHNC-UP)
Porto (Portugal)



Amito Haarhuis
Director
Rijksmuseum Boerhaave,
Leiden (The Netherlands)



Brad Irwin
Head of International Partnerships
The Natural History Museum
London (UK)



Joanna Kalinowska
Development Director
Copernicus Science Centre
Warsaw (Poland)



Marion Sabourdy
Science writer - New media Manager
La Casemate
Grenoble (France)



Barbara Streicher
Executive Manager
Science Center Network
Vienna (Austria)



Nele Van der Elst
Experience Director
Technopolis
the Flemish Science Centre
Mechelen (Belgium)



Dorothée Vatinel
Curator, universcience
Paris (France)

Conference Programme Committee

The Conference Programme Committee (ACPC) brings together science engagement experts, representatives of past, present and future conference hosts and Ecsite staff members. The ACPC is in charge of the conference's format and programme, while each year the local host takes care of social events and logistics. Each autumn the ACPC selects session proposals received via an online call open to all. Team up with your peers, craft a brilliant session idea and don't miss the call for proposals for the 2020 conference, open on the Ecsite website from 16 August to 17 October 2019.

Conference Host Representatives



2018 - Alice Brighi
Project Manager
Natural History Museum of Geneva
Geneva (Switzerland)



2018 - Ninian Hubert van Blijenburgh
Project Manager
Natural History Museum of Geneva
Geneva (Switzerland)



2019 - Sheena Laursen
Programme Manager –
International Relations and Learning
Experimentarium
Copenhagen (Denmark)



2019 - Lea Hjaelmso Hansen
Project Manager
Experimentarium
Copenhagen (Denmark)



2020 - Jurij Krpan
Art Director
Kersnikova Institute
Ljubljana (Slovenia)

Ecsite Office Representatives



Julie Becker
Communications and Events Manager
Ecsite
Brussels (Belgium)



Catherine Franche
Executive Director
Ecsite
Brussels (Belgium)

Ecsite Thematic Groups

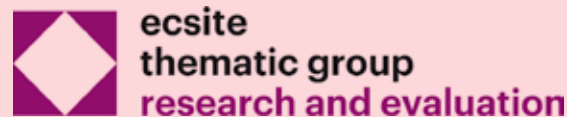
Thematic groups bring together Ecsite professionals to exchange ideas and best practices on specific topics within the field. Thank you to all Ecsite members contributing energy and ideas!



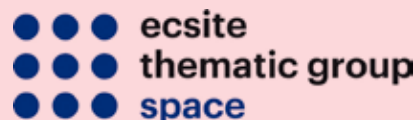
The **Facilitation Group** is dedicated to building a community for all staff who deliver learning experiences within a museum.



The **Nature Group** brings together professionals and institutions who engage audiences with nature.



The **REV Group** stimulates and helps facilitate research and evaluation in science centres and museums across Europe.



Run in collaboration with the European Space Agency (ESA), the **Space Group** improves and extends communication about space science by helping science centres, space professionals and non-specialists to develop collaborative projects and events.

Ecsite Executive Office



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Spokes, Ecsite's monthly magazine

Spokes is the monthly online magazine of Ecsite, available to all on the Ecsite website. Hear the latest news from European science engagement, go further with in-depth features and make the most of the good reads, events and opportunities shared by Ecsite members. Sign up on the Ecsite home page and visit the Ecsite lounge in the Business Bistro to suggest article topics.

Social media

Twitter: [@Ecsite](https://twitter.com/Ecsite)
Instagram: [@ecsite_network](https://www.instagram.com/ecsite_network)
Facebook: [@EcsiteNetwork](https://www.facebook.com/EcsiteNetwork)
LinkedIn: [Ecsite, the European network of science centres and museums](#)
YouTube: [Ecsite Executive Office channel](#)
Flickr: [Browse through hundreds of pictures on the "Ecsite Executive Office" page \(including ones taken during this conference\)](#)

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2019 Ecsite Conference – Printed programme

Responsible Editor
Catherine Franche, Executive Director, Ecsite

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INCOPENHAGEN

WE ARE HAPPY TO MEET YOU AT
BOOTH 6

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museumspartner.com



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**Programme
at a glance**

DARIES

Pre-conference workshops

Tuesday, 4 June 2019

All day from
9.00 - 17.45

Small Stage

Space for all,
Space for Earth
- day 1

Lab 4 + 5

Experience design in
practice

The Puzzler - GameLab

Museogamix:
Creative marathon
- day 1

Lab 2 + 3

Expanding Horizons:
An introduction to
EU funding

Business Center Room 1

Beyond fact checking:
Addressing
misinformation
- day 1

The Kavli Foundation
THE  KAVLI FOUNDATION

Business Center Room 6

Measuring learning:
An introduction
- day 1

11.00 Coffee break
13.15 Lunch break
15.45 Coffee break

Pre-conference workshops

Wednesday, 5 June 2019

All day from
9.00 - 17.45

Tycho Brahe Planetarium

Space for all,
Space for Earth
- day 2

Gl. Kongevej 10
1610 København V

Small Stage

Engaging audiences with
big global issues

Lab 2 + 3

Social inclusion,
equity and diversity:
Organisational change

Lab 4 + 5

Creative computation:
tinkering in the digital age

11.00 Coffee break
13.15 Lunch break
15.45 Coffee break

Speakers Reception

Øregård Gymnasium
Gymnasium
Gersonsvej 32
2900 Hellerup

Wednesday, 5 June 2019
18.30 - 20.00

Exclusive for pre- and main
conference speakers and convenors

The Puzzler - GameLab

Museogamix:
Creative marathon
- day 2

Business Center Room 1

Beyond fact checking:
Addressing
misinformation
- day 2

The Kavli Foundation
THE  KAVLI FOUNDATION

Business Center Room 6

Measuring learning:
An introduction
- day 2



Newcomers Breakfast

The Eatery Experimentarium

Tuborg Havnevej 7

Thursday, 6 June 2019
08.00 - 09.30

09.45 - 11.00 Opening Ceremony
11.00 - 12.00 Business Bistro Opening
12.00 - 13.15 Sessions
13.15 - 14.30 Lunch Break
14.30 - 15.45 Sessions
15.45 - 16.30 Coffee Break
16.30 - 17.45 Sessions
19.00 - 23.30 Gala Dinner & Show

Plenary

09.45 - 11.00
Opening Ceremony

Business Bistro Opening
11.00 - 12.00

Sessions

12.00 - 13.15

Large Stage

**Beyond fact checking:
Addressing
misinformation**

Small Stage

**Futureproofing your
Future Exhibitions**

MovieHouse Screen 1

**What's new in touring
exhibitions - 1**

MovieHouse Screen 2

**Exhibiting complex,
unfinished science**

MovieHouse Screen 3

**Making scientific heritage
collections relevant for today**

MovieHouse Screen 4

**A business within a business:
museum-based research centres**

Lab 4 +5

**Climate talks:
back to Copenhagen**

Lab 7

**Learning ecosystems:
from dream to reality**

The Interactive Theater

**And now, breathe... Creating
equitable formats and safe spaces**

The Idea Company - MakerSpace

**Introduction to tinkering:
LED fashion**

The Puzzler - Game Lab

**Having fun with the periodic
table of the elements**

**13.15 - 14.30
Lunch break**

Sessions

14.30 - 15.45

Large Stage

**Future thinking in science
centres: methods**

Small Stage

**Quick & simple evaluation tools:
good enough? - Part 1**

MovieHouse Screen 1

**What's new in touring
exhibitions - 2**

MovieHouse Screen 2

**Enlightenment 2.0:
Pushing the boundaries of
science, society and policy**

MovieHouse Screen 3

**Authenticity: working with
visitor expectations**

MovieHouse Screen 4

**Funding: what do our pie
charts say about us?**

Lab 4 + 5

**Creating unexpected
narratives**

Lab 7

**Designing for learning in
a tinkering environment**

The Idea Company - MakerSpace

**Conversation corner: the
fantastic future**

The Puzzler - GameLab

**Drop in and play
with atoms**

The Miniverse

**Enhancing science learning and
awareness through play**

Thursday

6 June 2019

Entrance of the
Experimentarium

14.15 - 16.15
**Local innovative school
guided tour**

Zoological Museum

15.00 - 16.30
**Zoological Museum
guided tour**

15.45 - 16.30
Coffee break

Sessions

16.30 - 17.45

Large Stage

**Can you feel it?
A science revival meeting**

Small Stage

**Art-science collaborations:
what benefits?**

MovieHouse Screen 1

Social learning in exhibitions

MovieHouse Screen 2

**Science communication
strategies in the post-fact era**

Thursday

6 June 2019

MovieHouse Screen 3

Engaging citizens in
monitoring urban air pollution

MovieHouse Screen 4

Applied climate change
communication: first aid kit

Lab 4 + 5

Quick & simple evaluation
tools: good enough? - Part 2

Lab 7

Bringing Space down to
Earth: Citizens and Space
applications

Helix Staircase
(2nd floor)

Student internships:
tips and tricks

Rooftop Indoor

Science communication
in Southeast Europe:
a special blend?

The Idea Company - MakerSpace

Tinkering explorations:
creative computation

The Puzzler - GameLab

Drop in and play
with the future

GALA DINNER & SHOW

Wallmans
The Circus Building
Jernbanegade 8

Thursday,
6 June 2019

19.00 - 23.30



Breakfast with
the Ecsite Board

The Eatery
Experimentarium
Tuborg Havnevej 7

Friday, 7 June 2019
08.00 - 09.00

9.00 - 10.15 Sessions

10.30 - 11.30 Keynote Margaret Wertheim

11.30 - 12.00 Coffee Break

12.00 - 13.15 Sessions

13.15 - 14.30 Lunch Break

14.30 - 15.45 Sessions

15.45 - 17.00 Coffee Break

15.45 - 17.00 Ecsite Annual General Meeting

17.00 - 17.45 Sessions

18.00 - 19.00 Happy Hour

20.00 - 24.00 Nocturne

Rooftop

8.00 - 8.50

Light yoga on the Roof of
Experimentarium

Botanical Garden

9.00 - 10.30

Botanical Garden
guided tour

Entrance of the
Experimentarium

9.00 - 10.15

Experimentarium architecture
guided tour

Sessions

09.00 - 10.15

Large Stage

On trial: virtual reality

Small Stage

Awaken and empower
the green fairy in you

Friday

7 June 2019

MovieHouse Screen 1

Are teens the most effective
educators and explainers?

MovieHouse Screen 2

Advocacy: doing it
your way

MovieHouse Screen 3

What's new in touring
exhibitions 3

MovieHouse Screen 4

Science engagement
organisations as citizen labs

Lab 4 + 5

Rethinking authentic
experiences with natural
history collections

Lab 7

Engaging your community
through tinkering

The Beach

Prototyping and user tests:
do's and don'ts

The Yeast Cell

Genetically modified exhibits

The Island

Walk along to grasp
visitor experiences

The Idea Company - MakerSpace

Tinkering explorations:
everyday materials

Friday

7 June 2019

The Puzzler - GameLab
Help, I need a game!
Game design coaching

Plenary
10.30 - 11.30
Keynote -
Margaret Wertheim

11.30 - 12.00
Coffee break

Sessions
12.00 - 13.15

Large Stage
Science centres as drivers
for social change

Small Stage
Conversation with
Margaret Wertheim

MovieHouse Screen 1

Soft power and
science museums

MovieHouse Screen 2

Empowering scientists to
connect with the public

MovieHouse Screen 3

Visitor studies:
chances and challenges
of digital methods

MovieHouse Screen 4

Dinosaurs as catalysts
for change

Lab 4 + 5
Acting as school?

Lab 7
Project showcase

The Beach
30 years of Ecsite:
celebrate-reflect-act

The Yeast Cell
The Diversity &
Inclusion Clinic

The Idea Company - MakerSpace
Conversation corner:
a context for making

The Puzzler - GameLab
Games prototyping
workshop

13.15 - 14.30
Lunch break

Sessions
14.30 - 15.45

Large Stage
When is an exhibition
no longer an exhibition?

Small Stage
The future of science
engagement

MovieHouse Screen 1
Personalised visitor
experiences

MovieHouse Screen 2
Diversified approaches
to diversity

MovieHouse Screen 3
Introducing young people to
Open Science

MovieHouse Screen 4
Leaders from the
outside

Lab 2+3
The Grand Bazaar

Lab 4 + 5
Citizen science case study:
Bring your own device

Lab 7
The impact of embodiment
research for exhibit design and
science communication

The Construction Site
Young children in exhibitions:
(re)drawing boundaries

The Idea Company - MakerSpace

Tinkering explorations:
creative computation

The Puzzler - GameLab
Gamifying the Sustainable
Development Goals

Zoological Museum
15.00-16.30
Zoological Museum
guided tour

ECSITE ANNUAL GENERAL MEETING

The Eatery
Experimentarium
Tuborg Havnevej 7

Friday, 7 June 2019
15.45 - 17.00

Friday

7 June 2019

Medical Museion
15.00-16.30
Medical Museion
guided tour

Dybbølsbro Station
15.00 - 17.00
Copenhagen green lifestyle
walking tour

15.45 - 17.00
Coffee break

Session
16.00 - 17.45

Small Stage
Making hyperbolic space
with Margaret Wertheim

Sessions
17.00 - 17.45

MovieHouse Screen 4
R.I.P. R.R.I.

Lab 4 + 5
Taking risks: strategies
for personal, professional
and institutional change

The Island
A marketplace of free and
open opportunities

Helix Staircase (2nd floor)
Sustainable Development Goals
in action: sharing case studies

Friday

7 June 2019

Rooftop Indoor

In the shoes of
a blind person

The Idea Company - MakerSpace

Meet the makers

The Puzzler - GameLab

Drop in and play

BUSINESS BISTRO HAPPY HOUR

Experimentarium
Tuborg Havnevej 7

Friday, 7 June 2019
18.00 - 19.00

NOCTURNE

Experimentarium
Tuborg Havnevej 7

Friday, 7 June 2019
20.00 - 24.00



Saturday

8 June 2019

9.00 - 10.15 Sessions
10.30 - 11.30 Keynote Audrey Dussutour
11.30 - 12.00 Coffee Break
12.00 - 13.15 Sessions
13.15 - 14.30 Lunch Break
14.30 - 15.45 Sessions
15.45 - 16.30 Coffee Break
16.30 - 17.45 Sessions
18.00 - 18.45 Closing & Handover Ceremony
21.00 - 02.00 Farewell Party

Rooftop

8.00 - 8.50
**Light yoga on the Roof of
Experimentarium**

Sessions
09.00 - 10.15

Large Stage

**Atmospherics &
exhibition design**

Small Stage

**Science shows
with narratives**

MovieHouse Screen 1

**Tinkering: new directions for
practice and research**

MovieHouse Screen 2

The explainer in me

MovieHouse Screen 3

**Science on wheels and
social inclusion**

MovieHouse Screen 4

**By the visitor, for the visitor
and with the visitor**

Lab 4 + 5

**Rethinking the use of
collections for social inclusion**

The Beach

**Universities and science
centres: speed dating**

The Interactive Theater

**Gender equity and tools for
change: a call for personal action**

The Idea Company - MakerSpace

**Tinkering explorations:
new directions**

The Puzzler - GameLab

**Escape room
demonstration**

Botanical Garden

9.00-10.30
**Botanical Garden
guided tour**

Medical Museion

10.00 - 11.30
**Medical Museion
guided tour**

Plenary

10.30 - 11.30
**Keynote -
Audrey Dussutour**

The Kavli Foundation Keynote lecture

THE KAVLI FOUNDATION

Saturday

8 June 2019

11.30 - 12.00
Coffee break

Sessions
12.00 - 13.15

Large Stage

**Partnering with universities:
dancing tango?**

Small Stage

**Conversation with
Audrey Dussutour**

MovieHouse Screen 1

**Inclusive informal science
learning for minoritised youth**

MovieHouse Screen 2

**Brain technology,
ethics and the public**

MovieHouse Screen 3

**Escape rooms and
learning: evaluation
results**

MovieHouse Screen 4

**The future of science centres:
towards 2030 and beyond**

Lab 4 + 5

**Rightful presence:
creating inclusive
organisational cultures**

Lab 7

**Managing up: a leadership
tool for middle managers**

The Beach

**Invisible issues: what are
we forgetting?**

The Interactive Theater

**Peak experiences in
exhibitions**

The Idea Company - MakerSpace

**Conversation corner:
facilitation challenges**

The Puzzler - GameLab

**Gamejaming: do's
and don'ts**

13.15 - 14.30
Lunch break

Sessions
14.30 - 15.45

Large Stage

**Fifty years and
counting: two seminal
science centres look
to the future**

Small Stage

**Renewal: hurdles
to take**

MovieHouse Screen 1

**Decolonising the
museum**

MovieHouse Screen 2

Too young for tough topics?

Saturday

8 June 2019

MovieHouse Screen 3

The role of place in engagement with science

MovieHouse Screen 4

Planning for museums of the future: new models

Lab 4 + 5

Research and Civil Society: inspiration from Science Shops

Lab 7

Just go for it

The Construction Site

Storytelling in exhibitions: benefits and risks

Rooftop

"Yes and": share your wildest ideas

The Idea Company - MakerSpace

Meet the makers

The Puzzler - GameLab

Drop in and play

15.45 - 16.30
Coffee break

Sessions
16.30 - 17.45

Large Stage

Tools for measuring STEAM learning

Small Stage

Using performing arts in scientific organisations

MovieHouse Screen 1

Communicating complex and controversial issues in exhibitions

MovieHouse Screen 2

Chemicals, environment and human health

MovieHouse Screen 3

Smartphones in museums: three case studies

Lab 4 + 5

Boundaries or burnout: you choose

Lab 7

Facing the sixth extinction: what can we do?

The Idea Company - MakerSpace

Drop-in & make

The Puzzler - GameLab

Vote with your feet: putting fun into evaluation

Plenary

18.00 - 18.45
Closing & handover ceremony



FAREWELL PARTY

Docken
Færehavnsvej 35

Saturday, 8 June 2019
21.00 - 02.00

Check out the detailed programme at
ecs.eu/annual-conference/programme