

# Directors Forum 2018

Ecsite

#EcsiteDF2018

Science  
engagement  
organisations  
as citizen  
labs

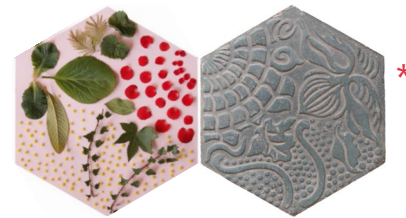
**14 - 16  
November**

Museu de Ciències  
Naturals de Barcelona

# Ecsite Directors Forum 2018

Science engagement organisations as citizen labs

14-16 November | Museu de Ciències Naturals de Barcelona



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Science engagement organisations are agents of education, teaching and knowledge transfer, as well as places for public scientific discourse. They have the mission to inspire and empower people with science and shape the future of science engagement. They are key actors not only in knowledge generation, but also as mediators and facilitators between citizens and knowledge. Science engagement organisations can act as **citizen labs or societal interface labs**, promoting Open Science with the aim of stimulating creativity and critical thinking, empowering citizens through the dissemination of knowledge, and engaging communities in the research process, in particular at city level. Open Science allows knowledge to circulate more quickly and to be more freely available, thus making science and innovation more open, collaborative and global.

Through these open science labs, committed citizens are developing solutions for complex societal challenges in which science and technology can play an important role (such as climate change, nature in the city, aging or water quality). Often working on a city scale, these citizen labs bring together and articulate the collaboration of entrepreneurs, researchers, educators, public officers and citizens. They also provide an agora space in which the societal implications and opportunities of cutting-edge scientific research can be debated in an evidence-based and democratic manner, bringing forth a greater understanding of the positive role of science in promoting the welfare of citizens, as well as a deeper awareness of the potentials of emerging technologies and research areas.

During the 2018 Directors Forum we want to address how **open science labs** can become an opportunity for science engagement organisations, and to present a broad range of inspiring perspectives, case studies and good practices. The keynotes, sessions and interactive workshops will address topics such as **novel methodologies for involving citizens in open science, participatory mechanisms like crowdsourcing and gamification, and the value of open science in social innovation projects** to tackle urban challenges, among others.

We expect this event to be of great interest to senior managers aiming to increase the impact of science communication organisations in citizens' well-being, and keen to explore ways of sustaining their organisations' continuing relevance in the 21<sup>st</sup> century's knowledge society.

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## \* Gaudi's tiles

These hexagonal tiles provided inspiration for this event's graphic design. They are an urban masterpiece designed by Antoni Gaudí in 1904 and have become his most widely duplicated - and popular - piece of design, found for instance in Barcelona's famous Passeig de Gràcia.

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## Welcome to Barcelona

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### Museu de Ciències Naturals de Barcelona

The Museu de Ciències Naturals de Barcelona (Natural Sciences Museum of Barcelona) is an institution founded over 130 years ago and whose natural heritage collections in the fields of mineralogy, petrology, palaeontology, zoology and botany comprise more than three million specimens. This valuable heritage has been enriched year by year thanks to specimens obtained through donations from private individuals, agreements with the Zoo and Catalonia's natural park, and also through the Museum's own research work.

The Natural Sciences Museum of Barcelona is housed in different buildings located in three strategic areas of the city: Ciutadella Park, Montjuïc Park and the Forum Park. The first of these sites is home to the Museu Martorell (Martorell Museum) and the Laboratori de Natura (Nature Laboratory) in the building known as Castell dels Tres Dragons, while Montjuïc is home to the Jardí Botànic (Botanical Garden) and the Jardí Botànic Històric (Historic Botanical Garden).

The Museu de Ciències Naturals de Barcelona (Natural Sciences Museum of Barcelona) where the directors forum will be taking place is situated in the Forum Park, and houses new facilities used mainly for public programmes: exhibitions, workshops, conferences, media resource centre, etc.

### Barcelona Ciència

The Barcelona Science Programme is a Barcelona City Council initiative to promote scientific knowledge and to include citizens in its progress. Barcelona Science invites everyone to participate and to be involved in the planning, processes and results of scientific research using criteria such as ethics, transparency, equality and access to knowledge. Barcelona has set the stage for science and society to engage in dialogue and move forward together in a common effort to face the local and global challenges of the 21<sup>st</sup> century.

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## Programme

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### Wednesday 14 November

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|---------------|--|---------------|---|
| 17.30         | Welcome drink  | 19.30 - 21.00 | Discovering the Natural Sciences Museum of Barcelona. |
| 18.15 - 19.15 | <b>Setting the scene.</b> After an introduction by the Director of Museu de Ciències Naturals de Barcelona, a Barcelona Ciència representative and the President of Ecsite, a few Ecsite members share their thoughts and case studies on this year's theme. | 21.00 - 22.30 | Dinner  |

### Thursday 15 November

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|---------------|--|-------------------------------|---|
|               | <b>KEYNOTE SPEECHES</b>  | 15.00 - 15.30                 | Coffee break  |
| 9.30 - 10.30  | <b>Keynote – Citizen labs: Democratizing research and innovation.</b> Artur Serra. Deputy Director of the i2cat Foundation ( <a href="http://www.i2cat.net">www.i2cat.net</a> ) and Research Director of Citilab in Catalonia, Spain ( <a href="http://www.citilab.eu">www.citilab.eu</a> ).                   | 15.30 - 16.45                 | Two parallel "provocation sessions" from the Mariano Gago Ecsite Awards Winners.  |
| 10.30 - 11.00 | Coffee break   | <b>CITIZEN LAB FIELD TRIP</b> |   |
| 11.00 - 12.00 | <b>Keynote - Harnessing the crowd: Creating impact through public engagement.</b> Lucia Malfent. Operational Manager of the Ludwig Boltzmann Gesellschaft's Open Innovation in Science Center ( <a href="https://ois.lbg.ac.at/en/about/mission-history">https://ois.lbg.ac.at/en/about/mission-history</a> ). | 16.45 - 23.00                 | Cycling field trip to two nearby citizen labs. *  |
| 12.00 - 13.30 | Lunch  |                               | Citizen lab 1 – Fab Lab Barcelona ( <a href="https://fablabbcn.org/">https://fablabbcn.org/</a> ).  |
| 13.30 - 15.00 | Conversation with the two keynote speakers.  |                               | Citizen lab 2 – Ateneu de Fabricació Fàbrica del Sol ( <a href="http://ajuntament.barcelona.cat/lafabrica-delsol/en">http://ajuntament.barcelona.cat/lafabrica-delsol/en</a> ). |
|               |  | <b>Evening</b>                | Demonstration of 3D food printing, cocktail and dinner near the sea.  |
|               |  |                               | Bus back to the hotel.  |
- \* A bus is foreseen for those not wishing to cycle and in case of rain.

### Friday 16 November

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|--------------|--|---------------|---|
| 9.00 - 11.00 | <b>In-depth workshops.</b> Participants can choose between four different workshops. | 11.00 - 11.30 | Coffee break  |
| Track 1      | Citizen Science (curated by the Barcelona Citizen Science Office).                   | 11.30 - 13.00 | <b>In dialogue with the Ecsite Board.</b>   |
| Track 2      | Citizen Laboratories (curated by BCNlab).  |               | An "un-session": participants will decide on the spot what topics they would like to discuss with Ecsite Board members. |
| Track 3      | Science Shops (curated by ISGlobal).   | 13.00 - 14.30 | Closing and lunch.  |
| Track 4      | Digital Fabrication Labs (curated by Ateneus de Fabricació).                         |               |   |

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## Keynote - Artur Serra

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(Thursday 15 November)

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### **CITIZEN LABS: DEMOCRATIZING RESEARCH AND INNOVATION**

We are living in the digital era. Everything started with the “open software and open networks”, then came “open innovation”, and now we are moving towards “open science and open research”. Soon, we will discover “open arts and humanities”. This trend is part of a deeper movement towards the “democratization” of innovation and science. The same process is happening with the social structures that support these activities. From university labs we are now moving towards citizen labs of all kinds. The knowledge society is evolving, and looking more and more like a complex and open “Collaboratory”. In this context, science engagement organisations have a historical opportunity for transforming themselves, and redefing their mission.

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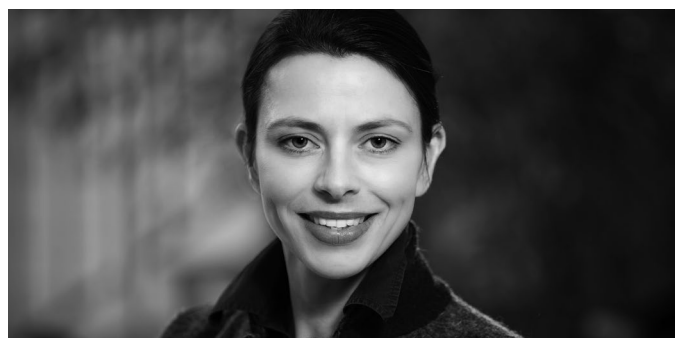
*Artur Serra is the Deputy Director of the I2CAT Foundation and Vice-president of the European Network of Living Labs (ENoLL). As an anthropologist, Dr. Serra has worked since the 1990s in connecting the digital network to citizens through community networks and living labs. He got a PhD in Cultural Anthropology at the Universitat de Barcelona in 1992, after completing a three year fieldwork at Carnegie Mellon University, conducting an ethnographic study of the “Design Culture” of this American university. In 2007, he has started Citilab, the first European citizen laboratory. Citilab has received numerous awards including the 2010 Urban Land Institute Excellent Award. In 2011, he organised a first workshop connecting both communities, DCNET and EnoLL, creating the eCulture area at EnoLL, where he is a board member as well as Vice-president.*

## Keynote - Lucia Malfent

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(Thursday 15 November)

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### **HARNESSING THE CROWD: CREATING IMPACT THROUGH PUBLIC ENGAGEMENT**

Collective intelligence – a magical term. It conveys the idea that the totality of a society’s knowledge can solve its problems. But how can knowledge gained from inhomogeneity be attained in a structured way? The Ludwig Boltzmann Gesellschaft was the first European entity to instigate a crowdsourcing initiative for research questions. As part of the LBG’s Open Innovation in Science initiative, the crowdsourcing project “Tell us!” invited patients, family members, and health care professionals to generate new research questions in the field of mental health. The positive response triggered several experimental activities showcasing a crucial question: How can science act on research questions formulated by stakeholders?

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*Lucia Malfent is the Operational Manager of the Ludwig Boltzmann Gesellschaft’s Open Innovation in Science Center. Lucia has been managing the Open Innovation in Science Initiative at Ludwig Boltzmann Gesellschaft since 2014. She has been involved in the development and implementation of two crowdsourcing projects at the Ludwig Boltzmann Gesellschaft as well as several other projects including an education program for scientists to learn how to apply Open Innovation methods and principles. Lucia is an expert in communications science. She studied at the University of Salzburg (Department of Communication Studies) and the Hanze University of Applied Sciences (Hanzehogeschool Groningen). Before joining the Ludwig Boltzmann Gesellschaft, Lucia held various positions within the fields of communications and management.*

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## In-depth workshops

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**Friday 16 November**

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### **TRACK 1 - CITIZEN SCIENCE**

**(CURATED BY THE BARCELONA CITIZEN SCIENCE OFFICE)**

This track will present a carefully selected bouquet of inspiring citizen science initiatives, a fast-growing open science format in which citizens play an active role in a real scientific project. The workshop will reflect on the crucial contribution that science centres and museums can make to engage the public in the collective creation of knowledge, empowering citizens to collect, analyse, contextualise and disseminate data with the novel possibilities awarded by digital technology.

### **TRACK 2 - CITIZEN LABORATORIES**

**(CURATED BY BCNLAB)**

Citizen labs are emerging at the forefront of the democratisation of science and innovation, experimenting with gamification, crowdsourcing and other participatory approaches. In this session track, we will explore how these cutting-edge mechanisms can help bridge the gap between untapped audiences and science engagement organisations.

### **TRACK 3 - SCIENCE SHOPS**

**(CURATED BY ISGLOBAL)**

The Science Shop movement is a 40 year-old initiative with a vast experience in developing socially innovative and often experimental formats to channel social demands into research topics. We will briefly describe Science Shops, highlighting the strengths and the constraints they usually face; but our session is far away from being theoretical and descriptive. Through an original participative activity, this workshop will help the participants explore Science Shops requirements and potential, analysing if this methodology could meet their own centre's aspirations.

### **TRACK 4 - DIGITAL FABRICATION LABS**

**(CURATED BY ATENEUS DE FABRICACIÓ)**

In this session track, we will reflect on the opportunities afforded by the prototyping practices and technological assets of Digital Fabrication Labs, to mediate between the general public and scientific and humanistic knowledge.

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## Post-event visits

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### Friday 16 November

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**Afternoon**      **Coffee and guided visit to CosmoCaixa (free)**

→                  Bus shuttle to CosmoCaixa provided from the Museum of Natural Sciences.  
Participants will make their own way after the end of the visit.



### Saturday 17 November

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**Morning**              **Guided visit to the Museum's Botanical Garden (free)**

→                  Meeting point at 10.00 directly at the Botanical Garden.



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## Practical information

### Getting to the venue


**Address** Natural Sciences Museum of Barcelona  
Plaça Leonardo da Vinci 4-5, Parc del Fòrum,  
08019, Barcelona  
(+34) 93 256 60 02 — [museuciencies@bcn.cat](mailto:museuciencies@bcn.cat)



**How to get there from the airport.**

 **Underground**  
L4 (yellow line). Maresme-Forum station  
(Rambla Prim exit).

 **Tram**  
T4, Forum stop.

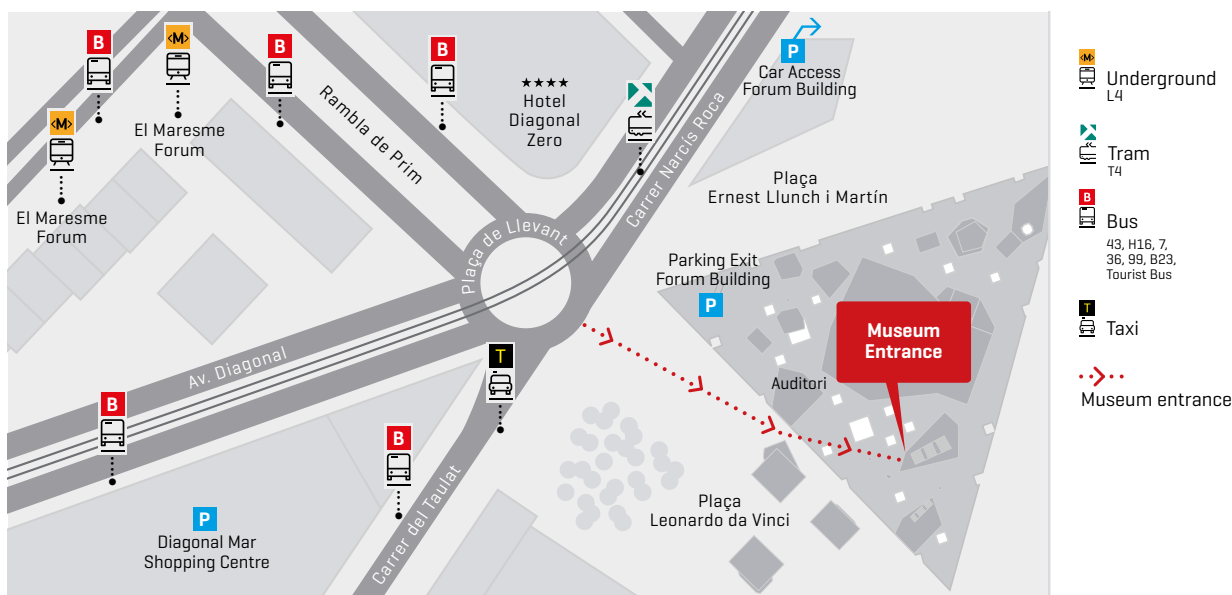
 **Bus**  
43, H16 (Forum), 7, 36, 99, B23.

**By taxi**

Estimated journey time 20min.  
Between €40 and €60. You can book a taxi in  
some of the following websites: [BarnaTaxi](#) or  
[Radiotaxibarcelona](#).

**By train**

Estimated journey time, 30-45 minutes.  
R2: connects with Passeig de Gracia (online prices  
and timetable: <http://www.renfe.com/viajeros/cercanias/barcelona/>). Every day. Every 7min.  
From Passeig de Gracia, take underground line L4  
towards La Pau and get off at Maresme-Forum.

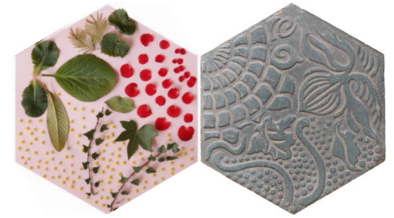




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## Recommended accommodation

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A special discount has been negotiated at the SB Glow \*\*\*\* sup for participants and accompanying persons. This hotel is located a 15 minutes away by tram from the Museu de Ciències Naturals de Barcelona.

Barcelona is an active city in terms of meetings during the year, so we recommend that you book your accommodation as soon as possible to ensure availability at the suggested hotel.

## Registration

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Registration is open until 26 October.  
€250 excluding VAT per person.

## More information

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### For registration and programme

Julie Becker  
+32 2 649 73 83  
[jbecker@ecsite.eu](mailto:jbecker@ecsite.eu)

### Booking

[https://www.hotelsbglow.com/?promo\\_Ecsitedf2018](https://www.hotelsbglow.com/?promo_Ecsitedf2018)  
A 5% discount applies automatically.  
Approx. price for a double room: 190 euros/night

In case rooms expire at the SB Glow, we recommend you used a regular hotel booking platform and look for a room in the following neighbourhoods: Poblenou and Fort Pienc. If you need help you can contact Monica Mackay ([monica.mackay@manners.es](mailto:monica.mackay@manners.es))

All information and the link to the registration form can be found on the Ecsite website, in the events section.

<https://www.ecsite.eu>

### For accommodation, travel and logistics

Monica Mackay  
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[monica.mackay@manners.es](mailto:monica.mackay@manners.es)

