



Welcome to the second edition of our Newsletter!

In the last months our consortium has been busy with the preparation for the citizen and multi-stakeholder dialogues to take place in six European countries in 2017. These events will open new platforms to exchange views about the future of nanotechnologies in Europe and give voice to often silent groups about such matters. Through this newsletter you will learn more about these events, as well as other NANO2ALL activities and materials. We also gathered for you news from other interesting initiatives.

We thank you for your interest in NANO2ALL and wish you good reading!
NANO2ALL Team

NANO2ALL - Nanotechnology Mutual Learning Action Plan for Transparent and Responsible Understanding of Science and Technology aims to create a climate of dialogue and aspires to engage different societal groups (citizens, researchers, technology developers, policy makers, civil society organizations and journalists) in discussing how nanotechnology can result in socially desirable solutions and products through Responsible Research and Innovation uptake (RRI). It will also debate how the involvement of the public and stakeholders can be increased in nanotechnology research and development (R&D), allowing such communities to contribute to shaping the future of these technologies. This 42-month initiative started in October 2015 and has received funding through the Horizon 2020 programme of the European Union.

NANO2ALL is coordinated by Sociedade Portuguesa de Inovação (SPI), and the consortium is composed of 11 other partners: Vilabs (Greece); MALSCH (The Netherlands); APRE (Italy); ECSITE (Belgium); NANO futures (Belgium); EUSJA (France); EMRS (France); VU/VUmc (The Netherlands); UNINOVA (Portugal); SYSTASI (Greece) and JRC (Belgium).

More information on NANO2ALL is available at
www.nano2all.eu

What's on in NANO2ALL?

In preparation for citizen dialogues

The NANO2ALL citizen dialogues are just around the corner. These deliberative events will take place in France, Israel, Italy, Poland, Spain and Sweden in April and May 2017. They will aim to gather input from citizens about their values, desires, and concerns regarding nanotechnology. Citizens in the dialogues will be encouraged to build their own narrative objects that will help them compose narratives of the future in relation to three different nanotechnology application fields: Nanotextiles, Brain-machine interfaces and Nanomedicine. Narratives will not only bring an important insight into citizens' views about these technological areas, but will also provide essential inputs into the scenario exploration



game to be played by nanotechnology stakeholders in the national multi-stakeholder dialogues in autumn 2017.

[MORE INFORMATION](#)

NANO2ALL scenario exploration game test

Our consortium took part in an exciting test event last December in Amsterdam, in the Netherlands. We had the chance to experiment the prototype version of the NANO2ALL scenario exploration game (adapted from JRC's future simulation tool '[Scenario Exploration System](#)' (SES)). The game, which will be used as part of the multi-stakeholder dialogues, explores future nanotechnology scenario situations in the targeted application areas (as referred above) across multiple timelines. More importantly, the game allows participants to take different social roles associated with nanotechnologies, helping to imagine themselves in someone else's shoes and comprehend the social dynamics developed due to stakeholders' interaction. This simulation tool does not only facilitate raising awareness of the diversity of views and positions that different societal groups might have, but it is also an excellent instrument for engaging participants into a meaningful conversation.



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Real-world examples of societal engagement in nanotechnologies



Engaging with societal groups is not an uncommon phenomenon in the scientific world. In fact, more and more initiatives deal with this matter and put in practice societal engagement techniques in a range of scientific and technological fields. But what about real-world experiences? Do they exist? What about nanotech? Do scientists, nanotech companies, policy-makers and others interact with each other and/or societal groups about their opinions concerning this technology? NANO2ALL would like to discover these experiences and use them to inspire others to adopt similar activities.

If you are aware or part of such experiences, please send them to: dorafazekas@spi.pt

Setting the agenda for NANO2ALL dialogues

On 13 October 2016, during the S.NET 2016 conference (www.thesnet.net), we organized an interactive session on RRI and effective dialogue approaches that could be used in NANO2ALL. Together with the session participants, we brainstormed about what responsibility means in practice. Some participants associated 'responsibility' with new trends in regulation, moving from government to governance of nanotechnology, through 'soft laws', voluntary codes of conduct, etc. Others linked it to recent developments in open innovation, citizen science and Do-It-Yourself technology, aiming to create responsible nanotechnology 'by design'. A short report highlighting these and other dilemmas will shortly be published at www.nano2all.eu.



[MORE INFORMATION](#)

What comes next?

NANO2ALL Citizen Dialogues

The following citizen dialogues will take place in NANO2ALL in local languages. If you are interested in participating, please express your interest using the national contacts and links below.

20 APRIL 2017	CITIZEN DIALOGUE ISRAEL 📍 The Bloomfield Science Museum, Jerusalem ✉ erelm@mada.org.il	22 APRIL 2017	CITIZEN DIALOGUE FRANCE 📍 Espace des Sciences Pierre-Gilles de Gennes, Paris ✉ contact-espogg@espci.fr
22 APRIL 2017	CITIZEN DIALOGUE SWEDEN 📍 Innovatum Science Center, Sweden ✉ Apply here	24 APRIL 2017	CITIZEN DIALOGUE POLAND 📍 Faculty of Management, Bialystok University of Technology, Kleosin ✉ Apply here
05 MAY 2017	CITIZEN DIALOGUE ITALY 📍 Museo delle Scienze Corso del Lavoro e della Scienza, Trento ✉ Apply here or here	07 JUNE 2017	CITIZEN DIALOGUE SPAIN 📍 Centre de Cultura Contemporània de Barcelona (CCCB) ✉ Apply here

NANO2ALL sessions in major conferences

22-26 MAY
2017

EMR-S SPRING MEETING 2017

📍 Strasbourg, France

Is the 2017 edition of the spring annual conference of the European Materials Research Society (E-MRS). This major event is widely recognized as being of the highest international significance and is the greatest of its kind in Europe with about 2,500 attendees every year. NANO2ALL will be presented at the "Europe in Motion" session on 22 May afternoon (schedule to be defined) with free entrance.

[MORE INFORMATION](#)

15-17 JUNE
2017

ECSITE ANNUAL CONFERENCE 2017

📍 Porto, Portugal

Focuses on public engagement with science, gathering large crowds that share experience and state of the art practices in the field with international perspectives. NANO2ALL will be represented in the event in two sessions:

- **Unleashing citizen contributions to "science for all"**

NANO2ALL will present the methodology of the citizen dialogues and will let participants try out parts of the applied method.

- **Role playing games: a tool for dialogue**

This session will give first-hand experience of some of the techniques used in role playing games (including the NANO2ALL SES game) to create a shared space to explore ideas.

[MORE INFORMATION](#)

Is the 4th edition of the European Conference for Science Journalists (ECSJ2017), which is the main gathering for European science journalists and communicators. NANO2ALL will organise a session dedicated to these groups.

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NANO2ALL outputs with interest for you

Our consortium has been busy with paving the ground for future citizen and stakeholder dialogues. Some of these outputs are highlighted here:

Landscape Report

A report providing up-to-date information on how the EU and a selection of Member States deal with nanotechnologies from policy, research and societal engagement perspectives, as well as the levels of awareness and engagement of stakeholders (scientists/researchers, industry, journalists, policymakers and NGOs/CSOs) with RRI. Additionally, the report identifies and presents an overview of selected national and international dialogue activities conducted with respect to RRI and nanotechnologies.

[Download](#)

Online Training Needs Survey

A report on the results of two short online surveys performed on small samples of science journalists and nano-researchers across the EU in order to have a brief overview of their awareness and knowledge on aspects such as nanotechnology, RRI, techniques for effective dialogue and stakeholders' engagement and anticipating the future, and other stakeholders' objectives, views and concerns on nanotechnology.

[Download](#)

Dialogue methodology

A manual explaining NANO2ALL's dialogue methodology, serving as a handbook to execute the dialogues with guidelines for facilitation to warrant deliberative quality.

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News from related initiatives

CALIBRATING THE SUN



Sustainable Nanotechnologies Project

The project on Sustainable Nanotechnologies, www.sun-fp7.eu has pioneered early stakeholder engagement in designing a Decision Support System that supports safe and sustainable nanomaterials and nanoproducts (SUNDS). As SUN is coming to an end, a smooth transition to the follow-up project CaLIBRAte is organized, including broadening stakeholder engagement to civil society organizations (CSOs). Both projects are organizing a stakeholder workshop during the SRA Policy forum, 2-3 March 2017 in Venice, Italy.

COMPASS



Compass is an EU-funded project that guides SMEs to manage research, development and innovation in a responsible way. The COMPASS team is organizing the Responsible Nanotech Breakfast on 1 March 2017 in Brussels. This event aims to introduce nanotechnology SMEs into the upcoming RI labs, a series of sessions that will define specific actions and goals to co-create RI roadmaps. These guidelines will be key to make research and innovation more open and responsive to societal needs.

[REGISTER](#)

HEIRRI



HEIRRI is an EC-funded project that aims to promote the integration of RRI within the formal and informal education of future scientists, engineers, and other professionals involved in the research, development, and innovation process. The project has launched an online forum; a space for debate and dialogue between the project and the many stakeholders affected or involved in RRI and/or Higher Education Institutions.

[JOIN FORUM](#)

PRISMA



Prisma is an EU-funded project that aims to show the added value of opening up the innovation process for social engagement, gender equality, transparency and other ethical issues. The ITAS team (led by Christopher Coenen and Maria João Maia) together with partners from the Netherlands, Italy and the UK carries out eight Europe-wide pilot projects in a real-world industry context. They focus on implementing RRI for some of the major transformative technologies in the EU, including nanotechnology, synthetic biology, Internet of Things and self-driving or automated cars.

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PROSO



Societal engagement is an important element of RRI. However, there is insufficient insight into what policy makers, research funders and other actors involved in governing or performing research can do to encourage and facilitate societal engagement that meet the requirements of RRI. The PROSO project aims to foster engagement of two types of actors that are only marginally involved so far: NGO's and non-organized citizens.

[MORE INFORMATION](#)

RRI-PRACTICE



Responsible Research and Innovation in Practice (RRI-Practice) is a Horizon 2020 project funded under the Science-with-and-for-Society (SWAFS) programme. The project started up in September 2016 and studies the practical implementation of RRI in 22 research conducting and research funding organisations within and outside Europe. All the partners in the project are now in the process of organising national workshops where stakeholders discuss how RRI is understood in the respective countries.

[MORE INFORMATION](#)

RRI TOOLS



RRI Tools was an EU funded project aiming to raise awareness, train, disseminate and implement RRI. The webpage of the RRI Tools Final Conference has recently been published. Visit the page and consult the main materials and outcomes of the conference: videos, presentations, pictures, booklet, link to posts in the blog, etc.

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