



Nanosciences, Nanotechnologies, Materials and New Production Technologies Deployment in Latin American Countries

Addressing societal challenges:



Water | Energy | Health

www.nmp-dela.eu

Newsletter No.3 Winter 2015

Welcome to the third NMP-DeLA Project Newsletter.

NMP-DeLA brings together an international and geographically diverse, ten-partner consortium from the European Union and Latin America to facilitate the deployment of advanced and enabling technologies in areas of major societal challenge in Latin America.

In this third newsletter, you can find out more about the project, past and forthcoming activities and how you can get involved.

This includes the workshop and summerschool on nanotechnology for water and energy held on 10-13 November 2014 in Monterrey, Mexico and the workshop on nanotechnology for industry held on 3 December 2014 in Santiago de Chile. Forthcoming activities include the workshop on nanotechnology for water and energy in Curitiba, Brazil in May and presentations at EU-SPRI in Helsinki, Finland and EuroNanoforum 2015 in Riga, Latvia, both 10-12 June 2015.

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- **Save the dates for the Nano for Water and Energy Expert Workshop: 27-29 May 2015, University of Parana, Curitiba, Brazil (more info coming soon)**
- **Submit your news and events here:**
Postbus@Malsch.demon.nl

Do you have news for the community?

Tell us about research developments and opportunities, project news and updates, new collaborations, opinions, publications, events, etc.

Submit your news and events here:

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The NMP-DeLA partners are currently engaged in planning and organising the key activities for the stakeholder community for 2015.

Expert Workshop

Between 27-29 May 2015, the Latin American Network for Nanotechnology and Society RELANS is organising an expert workshop on Nanotechnology for Water and Energy, including training in Horizon 2020 proposal writing and match making, offered by REDINN. The programme and invitation will be published on the website www.nmp-dela.eu soon.

Dissemination of results

The roadmaps on nanotechnology, materials and production technologies for health, water and energy will be presented in several conferences. These include the EU-SPRI conference on 10-12 June 2015 in Helsinki , Finland <http://euspri-helsinki2015.org/> and the EuroNanoforum 2015 conference on 10-12 June 2015 in Riga, Latvia, <http://euronanoforum2015.eu/>. You are welcome to meet us there.

Call for webinar proposals

Would you like to present your expertise and research interests on nanotechnology for health, water and energy to international colleagues and discuss cooperation opportunities from behind your own desk? E-mail us the topic you want to present and a list of contacts you would like to be invited and we can set up a webinar for you. Contact: postbus@malsch.demon.nl

LinkedIn Group

Besides the NMP-DeLA website, you are welcome to join the NMP-DeLA LinkedIn group: <https://www.linkedin.com/groups/Latin-America-Advanced-Materials-Deployment-7447999/about>

This will give you the opportunity to share news and information about relevant calls for proposals with other NMP-DeLA Community of Interest members.

YouTube Channel

View videos of NMP-DeLA events posted on YouTube:

<https://www.youtube.com/channel/UCvQ1pKTu7haRGbe3qI-QKYA>

The screenshot shows the YouTube channel page for NMP-DeLA. The channel name is "NMP-DeLA" with 11 subscribers. The page displays a grid of video thumbnails from a "Summer School" event. The videos feature speakers from various countries, including Argentina, Uruguay, Colombia, Costa Rica, Brazil, and Chile. The thumbnails are arranged in three rows of four. The first row includes a video titled "NMP DeLA Summer School - The Movie" and three individual speaker videos. The second and third rows consist of individual speaker videos, each with a "SUMMER SCHOOL" watermark. The Windows taskbar at the bottom shows the date as 13-2-2015 and the time as 13:48.



Expert workshop Water and Energy

The NMP-DeLA expert workshop on Nanotechnology for Water and Energy was organised by the Advanced Materials Research Centre CIMAV in conjunction with the NanoMonterrey conference 2014 on 10-11 November 2014. This provided a unique opportunity to explore future cooperation in deploying nanotechnology for these applications in Latin America with North and South American as well as European partners. State of the art research and innovations were tabled, giving a good overview of the Mexican capabilities and research interests of international partners. During the breaks, participants had the opportunity to explore innovation support and infrastructure available in the State of Nuevo Leon.

Focus Group results

As a side event the Centre for Social Innovation (ZSI) and CIMAV organized a focus group discussion with selected participants of the Forum. Aim: have a critical stakeholder discussion about requirements for producing nanotechnology solutions, technologies and applications for meeting societal challenges in the future. Main conclusions: nano research in Mexico should be better aligned with societal challenges; more funding should be provided for nano-based solutions at lower costs; a national strategy for informing the public about opportunities, risks and right usage of nano materials should be implemented; more and more widely spread demonstration activities would enhance the interest of industry and the public in nanotechnology products; more trans-disciplinary networking and broader stakeholder involvement (including the public) is required in order to define a national nanotechnology strategy which also considered regional disparities; and Mexico needs a new and progressive regulation for nanotechnology research and application. To sum up, to achieve that sustainable nanotechnologies will improve the quality of our lives, some right steps still need to be taken today.



NMP-DeLA trained 41 Latin American students in Nano for Water and Energy

The second NMP-DeLA Summer School was organized in Mexico, from the 10th to the 13rd of November 2014. The first part of the Summer School (technical) was covered by workshops held in the first 2 days jointly with Nano-Monterrey event: 10th and 11th of November. These workshops that were open to the participants of the Summer School, focused on important aspect of nanotechnology, e.g. production of hydrogen fuels, future of nanotechnology and applications to water and wastewater treatments.

The participants of the Summer School in Mexico comprised 41 PhD students and young researchers. The NMP-DeLA consortium gave support to the students' participation: students from Colombia, Nicaragua and Costa Rica and from more distant cities of Mexico received support for travel and accommodation expenses.

The selection of seven Summer School speakers was consistent with the objectives of the Summer School, which were:

- a) To promote the transfer of knowledge in nano technologies for Latin America in order to contribute to economic, environmental and sustainable industrial development
- b) To increase the knowledge base of the Scientific Community in Latin America and EU, ensuring that training materials would be made widely available and transferred to as many R&D organizations as possible.

The NMP-DeLA Second Summer School achieved all its objectives. In terms of scientific content summer school in Mexico was really successful: students were satisfied. Students, like in the first Summer School, were really interested in the third module, the one dealing with innovation and technology transfer.



The Eurochile Business Foundation, Fundación Chile and CEDENNA, organized the International Congress and Experts' Workshop "Nanotechnology for industry: nanomedicine, energy and water." President of Eurochile Vicente Caruz stated: "The issues discussed are in line with the guidelines that the Government of Chile has manifested in support of the development of new technologies and applications, as a strategy to overcome the dependence on natural resources and open opportunities in sectors that can add value and produce new goods and services, develop industries and create centers for innovation and competitiveness."

Marcela Angulo, Manager for Technological Capabilities Development at CORFO said: "Our economy needs to incorporate new technologies and diversify the productive chain. Nanotechnology in Chile can help improve industrial productivity and diversify our product."

Andres Pesce, Investment and Business Manager at Fundación Chile mentioned: "Fundación Chile aims to make a better country, promoting the increased competitiveness of the economy through innovation as a progress engine. The congress on "Nanotechnology for industry" represents the motivation to involve innovation in the society productive chain, together with other actors."

Mauricio Escudey, Institutional Relations Director at the Centre for the Development of Nanoscience and Nanotechnology (CEDENNA) stressed that "nanoscience and nanotechnology are, as infrastructure and investment, available to countries like ours."

The presentations, workshops and debates held under the NMP-DeLA project (www.nmp-dela.eu), funded by the European Commission met its objective of generating a meaningful dialogue between research and development centers, universities, industry representatives, public sector representatives and civil society.

The result is a sustainable, long-term platform that will generate partnerships and promote further development of nanotechnology, in order to meet the challenges in terms of health, clean energy and environment in Latin America.

Open Calls for Proposals relevant to EU-Latin American cooperation

The screenshot shows the 'RESEARCH & INNOVATION Participant Portal' search interface. The page is titled 'RESEARCH & INNOVATION Participant Portal' and includes navigation links for 'HOME', 'FUNDING OPPORTUNITIES', 'HOW TO PARTICIPATE', 'EXPERTS', and 'SUPPORT'. A search bar is present with the text 'Search PP'. Below the search bar, there are filters for 'Status' (Open, Closed, Forthcoming) and 'Sort by' (Title, Call Id, Publication Date, Deadline Date). The main content area displays '0 Results' and a message: 'If you don't find your topic, you can also use the free text search.' There are also sections for 'Horizon 2020 Search Topics', 'Other EU Programmes 2014-2020', and 'FP7 & CIP Programmes 2007-2013'. A footer contains the text '© European Commission'.

The European Union Horizon 2020 programme includes several open and forthcoming calls that are suitable for international cooperation with Latin America in the field of Nano, Materials and Production Technologies. These calls can be retrieved by clicking the link “International cooperation” here:

http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/search/search_topics.html

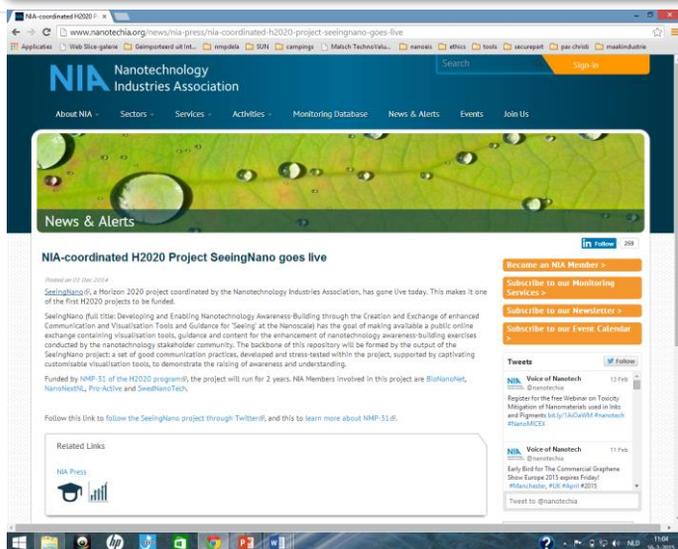
Other open calls

ERASMUS+: Higher Education, Training and Youth. Call deadlines vary between 22 January and 1 October 2015:

http://ec.europa.eu/education/opportunities/higher-education/international-cooperation_en.htm

Human Frontier Science Programme Research Grants. Deadline: obtaining reference number 19 March 2015, submitting letter of intent 31 March 2015.

<http://www.hfsp.org/>



SeeingNano, a Horizon 2020 project coordinated by the Nanotechnology Industries Association, has gone live with its kick-off meeting held in Brussels in January 2015. The Centre for Social Innovation (ZSI) attended as one of nine international partners of the project. SeeingNano (full title: Developing and Enabling Nanotechnology Awareness-Building through the Creation and Exchange of enhanced Communication and Visualisation Tools and Guidance for 'Seeing' at the Nanoscale) has the goal of making available a public online exchange containing visualisation tools, guidance and content for the enhancement of nanotechnology awareness-building exercises conducted by the nanotechnology stakeholder community. Aim is to foster an understanding and awareness for the breadth of nanotechnologies, and the uncertainties and potential risks connected to them.

Furthermore, SeeingNano will provide a repository: a set of good communication practices, developed and stress-tested within the project, supported by captivating customisable visualisation tools, to demonstrate the raising of awareness and understanding. The developed tools will be accessible via an online repository. The repository will also bring added value to upcoming EU-LAC cooperation projects in the field of nano. The website will be launched in June 2015, the full version of the repository and tools are expected by the end of 2016. The Coordination and Support Action is supported by the European Union under the H2020-NMP Programme and will last until November 2016.

Call for Papers for the 2015 annual conference of the **EU-SPRI Forum** (<http://www.euspriforum.eu>)

"Innovation policies for economic and social transitions: Developing strategies for knowledge, practice and institutions", to be held 10-12.6.2015 in Helsinki, Finland. A key objective of the conference is to enable research and innovation policy scholars to exchange views across their usual disciplinary boundaries and engage with policy makers. **Deadline 8 March 2015**