nanoMONITOR

Newsletter – July 2018

Development of a real-time information and monitoring system to support the risk assessment of nanomaterial under REACH

www.lifenanomonitor.eu

NanoMONITOR showcases its great achievements during NANOTEXNOLOGY 2018!

ABOUT THE PROJECT

The LIFE+ project NanoMONITOR addresses the challenge of supporting the risk assessment of nanomaterials under REACH by development of a real-time information and monitoring system, consisting of two integrated elements:

- a software application to capture, store, exchange and manage the data on the concentration of engineered nanomaterials, and
- a new low-cost monitoring station prototype to support the outdoor and indoor monitoring of airborne nano-pollutants.

DISSEMINATION AND NETWOTKING ACTIVITIES

NanoMONITOR attended a series of high impact events at which the project recent progress was showcased.

On 13-15 March 2018 project partners presented the NanoMONITOR Monitoring Station Prototype during the Imaginenano 2018 conference in Bilbao, Spain. Relevant stakeholders were invited to use the NanoMONITOR

Next Events

25/09/2018

Safe Nanotechnology Workshop: Exposure Assessment, Risk Management and Regulatory Challenges

Lancaster, UK

22/11/2018

NanoMONITOR Final Conference

Valencia, Spain

Relevant News

NanoMONITOR Guidance on the sampling methods and analytical techniques for the measurement and monitoring of engineered nanomaterials in the environment is now published in the project website.

To find out more click here>>

NanoMONITOR informative project video is under development and will be launched in September 2018.

Monitoring Station in their own facilities to obtain robust data on the concentration of engineered nanomaterials (ENMs).

You can also use the NanoMONITOR Monitoring station at your own facilities!

For more information about the Monitoring Stations click here. To express your interest please feel in the form.

On 5 July 2018 the NanoMONITOR team organized its Third Stakeholders' Day in Thessaloniki, Greece as a special session in the framework of the Nanotexnology 2018: International Conference on Nanosciences & Nanotechnologies.

The workshop brought together delegates from across Europe and the world to discuss the use of measured data on the concentration of ENMs to support risk assessment, the implementation of safe exposure scenarios and to present the latest regulatory developments affecting nanomaterials in the EU and worldwide, including guidance on the best tools available to meet these obligations. During the workshop the new NanoMONITOR station was introduced and the initial results from its use in the Valencia region presented along with the new NanoMONITOR Guidance on the sampling methods and analytical techniques for the measurement and monitoring of engineered nanomaterials in the environment produced by the project, describing how industry, governments and regulators should undertake a monitoring and sampling strategies and how this can be used to meet existing and new regulatory obligations.

To access the NanoMONITOR Guidance on the sampling methods and analytical techniques for the measurement and monitoring of engineered nanomaterials in the environment click HERE!

This project is part funded by the European Commission Life
with grant agreement LIFE14 ENV/ES/000662

On 7 the July the NanoMONITOR team organized a Training Session on the use of the tools developed under the LIFE project NanoMONITOR to support the characterization of the potential exposure to nanomaterials in workplaces and urban environments within the Nanotexnology 2018:12th International Summer Schools on Nanosciences & Nanotechnologies.

Later that week the NanoMONITOR 3rd Monitoring station was set up in Thessaloniki.

UPCOMING EVENTS

NanoMONITOR is organizing its **4th Stakeholders' Day: Safe Nanotechnology – Risk management, exposure and regulatory challenges** in Lancaster, UK on 25 September 2018.

Workshop background: Exposure to both naturally occurring and anthropomorphic particulates effects everyone, with some exposures linked to serious health hazards in both humans and the environment. As the uses of ENMs increase in both volume and breadth, it is important to have the technology available to measure exposure to nanomaterials in the workplace and the environment. These will allow the identification and tracking of emerging risks, support the development of robust exposure modelling tools and allow users to prove compliance with regulatory obligations. It is the goal of the NanoMONITOR project to develop a robust sampling and analysing station that will allow the real-time measurement of nanomaterials. NanoMONITOR provides scientific based solutions to support the risk assessment of nanomaterials on a regulatory basis, including critical issues such as environmental, occupational and consumer exposure to ENMs, environmental release and fate in the life cycle and product value chains, and human health impacts of ENMs.

The workshop will introduce the exposure and risks arising from exposure to particulates including nanomaterials. It will then discuss the current status of the NanoMONITOR project allowing delegates to have the opportunity to test and provide feed-back on the prototype and the data acquisition software. Finally, attendees will learn about the latest regulatory developments affecting nanomaterials in the EU and worldwide, including guidance the best tools available to meet these obligations.

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Special Training Session

A special Training session on the use of the tools developed under the LIFE project NanoMONITOR to support the characterization of the potential exposure to nanomaterials in workplaces and urban environments will be held within the workshop.

Live Webinar

You can join the event via a conference call! To join the meeting please sign up before 20 September via the following link: https://register.gotowebinar.com/register/6970754579284165891.

You will receive a joining link an hour before the meeting start via email.

Start: 09:30 BST | End: 16:30 BST

Attendance to the workshop and the webinar is **free of charge.** Due to space limitations registration will be on a first-come, first-served basis. Hurry up and save your seats!

For more information and to register click HERE!

Full list of NanoMONITOR previous and upcoming events can be found here:

http://www.lifenanomonitor.eu/en/events/

NANOMINITOR MONITORING STATION DEVELOPMENTS

As of July 2018, NanoMONITOR has delivered **3 fully operative Monitoring Stations.** The first Monitoring Station Prototype has been installed in one of the existing stations of the air quality network of the city of Valencia and it is already generating data on the concentration of nanomaterials in areas with high traffic density.

The second station was installed in a commercial area located outside the city.

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The third station was installed in Thessaloniki, Greece.

All stations are generating new data on the concentration of nanomaterials in city roads and highways of prime importance, to study potential effects on human health and the environment.

A forth station will be installed in Lancaster, UK in September 2018.

NANOMINITOR WEBPORTAL DEVELOPMENTS

The NanoMONITOR Web Portal and the Administration Web console were launched and made publicly available at the beginning of 2018.

Since then the demo version of the Web Portal has been presented and discussed during the consortium project meeting in Athens in October 2016, the 1st NanoMONITOR Stakeholders' Day, held on 4 April in Valencia, Spain and during the 2nd NanoMONITOR Stakeholders' Day, held on 24 October in Lancaster, UK and the 3nd NanoMONITOR Stakeholders' Day, held on 5th July 2018 in Thessaloniki. Based on the discussions and the feedback received from relevant stakeholders the platform will be further refined to ensure its user-friendliness and to meet its intended users' requirements. You can explore the the NanoMONITOR Webportal here:

http://www.lifenanomonitor.eu/en/applications/

UPCOMING ACTIVITIES

Technical activities:

- Implementation phase is about to start: five companies producing and/or using ENMs were selected to test the NanoMONITOR monitoring station at industrial site
- Large sets of data on the concentration of ENMs in sub-urban areas and subway systems is coming soon
- One new location to monitor the concentration of ENMs on the environment in Lancaster (UK)

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- Satellite stations to be tested by stakeholders available by October 2018 Group
- Up to 3 scientific publications on the concentration of ENMs in workplaces, urban areas and subway systems expected

Dissemination activities:

- NanoMONITOR 4th Stakeholders' day to be held in Lancaster (UK)
- Presence in relevant disseminations events in Europe
- Online Webinars in Autumn 2018
- NanoMONITOR Final dissemination event on 22 November 2018 in Valencia (Spain)

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Project Partners:

ITENE (Packaging, Transport & Logistics Research Centre), Spain

AXON Enviro-Group Ltd., Greece

The Mediterranean Center for Environmental Studies (CEAM), Spain

Yordas Group (formerly The REACH Centre), UK

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