



New Solutions to Support the Monitoring of the Concentration of Engineered Nanomaterials in Indoor Workplaces and Urban Areas

Lessons from LIFE NanoMONITOR

NanoMONITOR 3rd Stakeholders' Day

5th July 2018

Porto Palace Conference Centre & Hotel, Thessaloniki (GR)

Preliminary agenda

09:30 – 09:40	<i>Reception of the Attendees</i>	
09:40 – 10:00	Welcome & Overall view of the LIFE NanoMONITOR project	Carlos Fito, ITENE
10:00 – 10:20	Levels of exposure at industrial sites and current recommended exposure levels	Maidá Domat, ITENE
10:20 – 10:40	Concentrations of nanomaterials in urban areas. Lessons from the project	Francisco Alacreu, CEAM
10:40 – 11:00	Presentation of the NanoMONITOR station prototype	Jose Luis Palau, CEAM
11:00 – 11:30	Coffee break and use of the prototype by attendees	
12:00 – 12:20	Use of the data acquisition software	Athena Progiou, AXON
12:20 – 12:40	NanoMONITOR Guidance on the sampling methods and analytical techniques for the measurement and monitoring of ENMs in the environment and their use in proving compliance with EU chemical regulations	Neil Hunt, YORDAS
12:40 – 13:00	Particulate matter in the greater area of Thessaloniki	Apostolos Kelessis, MUNICIPALITY OF THESSALONIKI
13:00 – 13:30	Round table and networking with attendees	Carlos Fito. ITENE

Workshop purpose

This workshop is a forum for nanotechnology researchers, industry, and regulators to present and discuss the use of measured data on the concentration of engineered nanomaterials (ENMs) to support the risk assessment of nanomaterials and the implementation of safe exposure scenarios, guaranteeing a high level of protection of the human health and the environment.

The event will be hosted by the members of the NanoMONITOR consortium and will be held as a special session in the framework of the **Nanotextology 2018: International Conference on Nanosciences & Nanotechnologies** (Workshop 2) on **5th July 2018 in Thessaloniki, Greece**. The workshop program focusses on the main progress and outcomes of the NanoMONITOR project, which 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 overall aim of the project is the development of a prototype system to generate robust, accessible, comparable and interoperable environmental and indoor air monitoring data to support the implementation of REACH regulation. A new solution to support data processing, and the monitoring and sampling of the concentration of ENMs in indoor workplaces and urban areas has been carried out.

The monitoring station prototypes combine remote sensing devices, filtering elements and data transmissions elements, processing and sending the station's data to our NanoMONITOR data acquisition software and visualization platform, which is available for free download. This first prototype, as well as the main outcomes of the project concerning the concentration of ENMs on workplaces and urban areas will be presented.

Target audience

Target audience and key stakeholders are:

- Health and safety advisors
- Occupational hygienists
- Workers and professional users who use ENMs as such, in mixtures or incorporated into articles in research or production processes,
- Researchers
- Experts from industry associations and other stakeholder organizations informing companies about the requirements for the safe handling and use of ENMs on a regulatory basis, especially for risk control purposes,
- Experts from standardization (i.e. ISO committees) and/or regulatory bodies (i.e. ECHA).

Benefits from participating

This workshop is for expert in air quality, occupational hygienists, as well as workers and professional users who are interested in learning more about current technologies to measure the concentration of ENMs in indoor workplaces and urban environments.

This workshop will promote the proper use of ENMs and the uptake of nanotechnology by the industry by providing attendees with up to date information to support **risk assessment**, as well as recommended approaches to assist companies on the evaluation of the exposure to ENMs on a regulatory basis.

Moreover, participants will have access to a satellite station developed under the scope of the project. Attendees will be invited to use the satellite station and validate its operability and functions.