

Best practices effectiveness, prevention and protection measures for control of risk posed by engineered Nanomaterials

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Launched on the 1st October 2013,

NanoRISK opens a new window to provide

the industry with proven risk management measures

(RMMs) to protect workers and the environment from

potential risk of engineered nanomaterials in the EU within 3 years

The NanoRISK project deals with the **characterization of highly-efficient work place controls to reduce and control the risk posed by the use of ENMs in the nanocomposite industry**, as well as with the development of standardized approaches to support the testing and demonstration activities.

The overall aim of NanoRISK project is to improve the protection of environment and health from risk posed by chemicals by supporting the implementation of the REACH regulation with regard to nanomaterials, whose use raise many questions and generate concerns due to their potential health and environmental risks.

Next Events

23/10/2014

ECHA Scientific Workshop – Regulatory Challenges in Risk Assessment of Nanomaterials

04/12/2014

Join workshop: REACHnano and LIFE NanoRISK, a new approach to ensure the safe use of nanomaterials

Relevant News

ITENE have a recently designed a new nano-aerosol testing chamber prototype, being able to characterize the airborne behavior of a large set of engineering nanomaterials, equipped with state of the art instrumentation to support the on line measurement of number and mass concentration, particles size and size distribution, and totally adapted to support the evaluation of the effectiveness of respiratory and dermal protection equipment against ENMs

Objectives

The specific objectives of the project are:

- To support the Library on RMM (RMM library) developed within the REACH Implementation Projects with quantified data on the effectiveness of personal protective equipment (PPE), engineering techniques and organizational measures;
- To develop an aerosol testing chamber prototype to evaluate and demonstrate the performance of the RMM at laboratory scale;
- To improve the knowledge base on the parameters that determine the exposure to ENMs at industrial scale;
- To enhance the knowledge base on the potential releases of ENMs to air, soil and water from industrial facilities on a life cycle basis;
- To analyze the adequacy of current international standards (ISO /CEN /ASTM) to evaluate the effectiveness of PPE and collective protection measures;
- To improve the knowledge on the likely Exposure Scenarios in the nanocomposite industry;
- To support the hazard and exposure characterization for ENMs with the aim to support the industry in carrying out their Chemical Safety Assessment (CSA) as stated by REACH;
- To disseminate the project results for a large community of SMEs and potential stakeholders;
- To support the monitoring of REACH compliance and its impact on risk mitigation and prevention of pollution posed by NMs.



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