



Ca' Foscari University of Venice

PROJECT ACRONYM AND TITLE: RiskGONE - Risk Governance of Nanotechnology

FUNDING PROGRAMME: H2020 - NMPB

CALL: NMBP-13-2018 - Risk Governance of nanotechnology

SCIENTIFIC FIELDS: Nanotechnologies, Advanced Materials, Advanced Manufacturing and Processing, and Biotechnology

HOST DEPARTMENT: DAIS – Department of Environmental Sciences, Informatics and Statistics

SCIENTIFIC RESPONSIBLE: Antonio Marcomini

FINANCIAL DATA:

Project total costs	Overall funding assigned to UNIVE
€ 5.140.380,00	€ 180.435,00

ABSTRACT:

Engineered nanomaterials (ENMs) are covered by REACH/CLP regulations; the general opinion is that the risk assessment (RA) approach routinely used for conventional chemicals is also applicable to ENMs. However, as acknowledged by OECD and ECHA, the OECD and ISO Test Guidelines (TGs) and Standard Operating Procedures (SOPs) need to be verified and adapted to be applicable to ENMs. RiskGONE will support the standardization and validation process for ENM by evaluating, optimizing and pre-validating SOPs and TGs and integrating them into a framework for risk governance (RG) of ENMs. The framework will comprise modular tools and will rely heavily on current strategies for the RA of conventional chemicals, complemented by methods for estimating environmental, social and economic benefits. It will incorporate ethical aspects and societal risk perception and will manage acceptable and unacceptable risks through transfer or mitigation. The focus of RiskGONE will be to produce nano-specific draft guidance documents for application to ENM RA; or, alternatively, to suggest ameliorations to OECD, ECHA, and ISO/CEN SOPs or guidelines. Rather than producing assays and methods ex-novo, this will be achieved through Round Robin exercises and multimodal testing of OECD TGs and ECHA methods supporting the “Malta-project”, and on methods not yet considered by OECD. This process will be accelerated by guidance documents for data storage/curation/accessibility optimisation, applied to well-characterized reference ENMs typifying the main physicochemical and toxicological features of ENMs. A transparent, self-sustained RG council, representing EU stakeholders, member states, industry and civil society, will be established. The RG framework and methods developed by RiskGONE will be transferred to the RG council, which will act as a science-based governance body for ENMs safety and provide responsible 2-way communication with stakeholders and civil society, based on high quality information.

Planned Start date	Planned End date
1 st January 2019	31 st December 2022

PARTNERSHIP:

1. Norsk institutt for luftforskning stiftelse	Norvegia	Coordinatore
2. Luxembourg institute of science and Technology	Lussemburgo	Partner
3. Institut za medicinska istrazivanja i medicinu rada	Croazia	Partner
4. Agencia estatal consejo superior de Investigaciones cientificas	Spagna	Partner
5. Universitetet i bergen	Norvegia	Partner
6. The university of birmingham	Regno Unito	Partner
7. Swansea university	Regno Unito	Partner
8. Qsar lab spolka z ograniczona Odpowiedzialnoscia	Polonia	Partner
9. Katholieke universiteit leuven	Belgio	Partner
10. Fraunhofer gesellschaft zur Foerderung der angewandten forschung e.v.	Germania	Partner
11. European environmental citizens Organisation for standardisation	Belgio	Partner
12. Ideaconsult limited liability company	Bulgaria	Partner
13. Fundacion cidetec	Spagna	Partner
14. Universiteit maastricht	Paesi Bassi	Partner
15. Novamechanics limited	Cipro	Partner
16. Malsch neelina	Paesi Bassi	Partner
17. Transgero limited	Irlanda	Partner
18. Dechema gesellschaft fuer chemische technik und biotechnologie e.v	Germania	Partner
19. Iran nanotechnology initiative council	Iran	Partner
20. The regents of the university of california	Stati Uniti	Partner
21. Factor social - consultoria em psico - Sociologia e ambiente lda	Portogallo	Partner
22. Agence nationale de la securite sanitaire de l'alimentation de l'environnement et Du travail	Francia	Partner
23. Ca' Foscari University	Italia	Partner