



PRESS RELEASE

Ispra, 19-20 November 2019

GRACIOUS Partners Show Great Achievements During Their 2nd Consortium Meeting

During the 2nd GRACIOUS consortium meeting, held in Ispra, Italy on 19-20 October 2019, GRACIOUS project partners presented an overview of the results obtained during the last 12 months.



About GRACIOUS: The large diversity of nanomaterials (NMs) and nanoforms (NFs) used in nano-enabled products has made their case-by-case risk assessment demanding in terms of cost, time and animals.

For supporting the risk assessment of those materials, GRACIOUS develops a highly innovative science-based framework to enable practical application of Grouping, leading to Read Across and classification of NMs and NFs.

During the reporting period, a more advanced version of the GRACIOUS Framework was developed based on comprehensive stakeholder engagement activities (on-line consultations, interviews and a stakeholder workshop). Along with this significant work on the framework, a template for hypothesis generation has been developed to facilitate grouping and read-across. For several hypotheses integrated approaches to testing and assessment (IATAs) have been developed to justify their applicability.

During the meeting hypotheses, IATAs and testing strategies which consider the fate ('where they go') and hazard ('what they do') of NFs following exposure via different exposure routes (e.g. inhalation, ingestion or dermal application), or different releases into different environmental compartments were discussed and opportunities for refinement identified. In addition, experimental work required to address knowledge gaps in the IATAs was planned.

To address lifecycle thinking, project partners have identified descriptors, criteria and guiding principles for grouping and read-across focusing on release and exposure to NFs along the lifecycle.

To honour the great work of the young researchers in the GRACIOUS project a Best Young Scientist Poster Competition was organised. The winner was Johannes G. Keller, BASF. His poster titled "Dynamic abiotic flow-through dissolution and transformation testing of nanoforms, corroborated by ramped flow-rates" was awarded as an outstanding work in the form of a high-quality academic poster developed by an Early Career Researcher.

GRACIOUS Project Coordinator, Professor Vicki Stone says:

"The Framework developments over the last year have exceeded my expectations. The Integrated Approaches to Testing and Assessment that will form the core of the Framework are exceptional. We look forward to sharing them with stakeholders."



In the next couple of months, the consortium will embark on their second stage of stakeholder engagement activities featuring a webinar and stakeholder engagement workshop aimed at industry representatives.

Upcoming events

GRACIOUS, together with H2020 projects BIORIMA and PATROLS are co-organising NanoTox2021, the 10th International Conference on Nanotoxicology. The conference will take place on the 20th to 22nd April 2021 in Edinburgh, UK. You can already register your interest on www.nanotox2021.org

GRACIOUS is also proud to be co-organising the 10th anniversary of the Venice Nano Training School celebrates. The Nanosafety Training School: From Basic Science To Risk Governance will be held on autumn 2020 in San Servolo (Venice, Italy), covering the following topics:

- Hazard to Human Health & Environment
- Fate & Exposure Assessment
- Nanomedicine: from the lab to the market
- Modelling
- Grouping & Read Across Approaches
- Risk Governance

Besides keynote speeches and interactive sessions, a dedicated platform for early career researchers to present their work will be organised within the Young Scientist Forum Day.

For more information click [HERE](#).

Project Facts:

Project Duration: 42 months, starting January 2018
Consortium: The GRACIOUS consortium consists of 23 partners spanning Europe and the USA, including representatives from academia, industry, policy makers and regulators.
Total Budget: 7.1 Million EUR total project volume

Press Contact:

Stella Stoycheva
Yordas Group
s.stoycheva@yordasgroup.com