

Press release, June 2021

Updates on the H2020 GRACIOUS Project Events and Dissemination Activities

Being in its final months, the H2020 GRACIOUS project is heavily focused on dissemination, exploitation and knowledge transfers activities. See below updates on our events:

Nanosafety Training School: From Basic Science To Risk Governance: 21-25 June 2021



The 10th edition of the Venice NanoSafety Training School will be held on a virtual platform. Due to the current COVID pandemic and the restrictions imposed by the Italian Government on face-to-face events, the Organising Committee has taken the difficult decision to not postpone further and organise the School as a virtual event to ensure the safety of

all attendees.

On the bright side this will allow us to re-open registrations! For new registrations click here:

<https://www.greendecision.eu/wp/nanosafetytrainingschoolvirtual/>

The School attendance is free of charge. The maximum number of newly accepted registrations is 200 people and will be on a first come-first served basis. Recordings will be made publicly available on the school website past the event.

For more information about the school and the revised agenda click [HERE](#)!

Assessing Quality and Completeness of Nanosafety Data for Risk Assessment Purposes: 28 June



Using high quality data is essential for performing robust risk assessment of chemical substances, including engineered nanomaterials (NMs) but quality assessment information is currently not available for most of the available nanosafety datasets. To address this issue, the EU H2020 project GRACIOUS proposed a methodology to facilitate the evaluation of quality and completeness for sets of NM physicochemical and (eco)toxicological data based on established criteria: i.e., completeness, reliability, relevance and adequacy. Join us on 28 June from 10:00 to 12:00 CEST to discuss our approach!

We invite data experts and risk assessors from industry, regulation, and academia and in fact anyone interested in data management to join our lively discussion.

For more information check out our [event page](#) and sign up [HERE!](#)

Final GRACIOUS Stakeholder Engagement and Exploitation Event: 13-15 September 2021

Save the dates 13 - 15 September (afternoon sessions) for the GRACIOUS Final Stakeholder Engagement and Exploitation event to be held in a virtual platform.

The workshop will feature interactive sessions aimed to present and discuss with stakeholders the GRACIOUS case studies and key exploitable results followed by hands-on training sessions on the GRACIOUS tools and approaches.

Expect more details here: <https://www.h2020gracious.eu/events>

Proceedings from The NanoTox Conference 2021

The nanosafety community met virtually for their 10th International Conference on Nanotoxicology - NanoTox between 20th to 22nd April 2021. This year's conference has been jointly organised by three leading EU Horizon 2020 Projects, BIORIMA, GRACIOUS, and PATROLS - focusing on the development of novel tools for evaluating human and environmental hazard, and strategies for nanomaterial characterization, grouping, and read-across for risk analysis. Read more in our [Press Release](#)

Framework Development and Publications

GRACIOUS has successfully generated a framework enabling practical application of grouping, and read-across of nanomaterials /nanoforms. The framework includes 40 pre-defined hypotheses (17 for human hazard, 23 for environmental hazards) to provide guidance. The GRACIOUS WIKI tool aids consistency in terminology across the project.

Key scientific papers include:

A framework for grouping and read-across of nanomaterials-supporting innovation and risk assessment, Stone et al., 2020, Nanotoday, 35, 10094.

Quality of physicochemical data on nanomaterials: an assessment of data completeness and variability. Comandella et al., Nanoscale. 2020;12 7:4695-708.

A review to support the derivation of a worst-case dermal penetration value for nanoparticles. Gimeno-Beneto et al. 2021. Regulatory Toxicology and Pharmacology 119, 104836.

Organomodified nanoclays induce less inflammation, acute phase response and genotoxicity than pristine nanoclays in mice lungs. Di Ianni et al. 2020. Nanotoxicology 2020 14:7, 869-892

Understanding Dissolution Rates via Continuous Flow Systems with Physiologically Relevant Metal Ion Saturation in Lysosome. Keller et al. 2020. Nanomaterials 2020 12; 10(2):31.

A method to assess the relevance of nanomaterial dissolution during reactivity testing. Peijnenburg et al.. 2020. Materials 2020 13;13(10):2235

A special issue of NanoImpact is under preparation to include 12 GRACIOUS manuscripts on similarity assessment methods.

Check out our latest publications [HERE](#).

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