

## OVERVIEW

Risk management involves quantifying hazard (toxicity) and exposure, and taking the necessary steps to reduce both to acceptable levels, ideally at an early stage of the nanomaterial development process (Safe-by-Design). The challenge now is to distil existing methods into simple, robust, cost-effective methods for monitoring and modelling of physical-chemical properties and biological effect assessment of nanomaterials in relevant use conditions including in product-relevant matrices.



## NMBP-15-2019: Safe by design, from science to regulation: metrics and main sectors (RIA).

Type of Action: Research and Innovation Action (RIA)

Deadline Model: two-stage

Planned opening: 16 October 2018

**Deadline:** 22 January 2019 17:00h (Brussels time)

**2<sup>nd</sup> stage Deadline:** 03 September 2019 17:00h (Brussels time)

**Contribution from EU:** 5-6 million €

### Scope:

- Degradation of nano-enabled products and ageing of nanomaterials, and mixture toxicity;
- New Safe by Design methods that enable reduction of hazard and exposure through design to an acceptable risk level without affecting the material performance and guide development of safer products at different stages;
- Implementation of control measures and mitigation strategies for nanomaterials specific scenarios in various industrial sectors to reach acceptable regulatory risk level on the effectiveness of such measures, and develop computational approaches to model them;
- For this topic, the parallel calls scheme is envisaged with the USA-NNI. Resulting projects should establish close cooperation mechanisms. Legal, policy making and Responsible Research and Innovation aspects should be integrated in the proposal.

Activities should start at TRL 4 and achieve TRL 6 at the end of the project.

In line with the strategy for EU international cooperation in research and innovation (COM (2012)497), **international cooperation is particularly encouraged.**

Proposals submitted under this topic should include actions designed to facilitate cooperation with other projects; to enhance user involvement; and to ensure the accessibility and reusability of data produced in the course of the project.

### Expected Impact:

- Safe by design approaches and tools at an early stage of the nanomaterial development process;
- Quality workplaces that ensure maximum technical and economic performance in line with acceptable risk levels;
- Control and mitigate exposure to acceptable risk level in case after release of nanomaterials from products;
- Develop and validate low-cost techniques for delivering an integrated exposure driven risk assessment and the associated design of the required post-use monitoring



## Standard eligibility and admissibility conditions:

A consortium must include **at least 3 participants from 3 different EU Member States or Associated countries**. In addition to these three partners, any legal entity from anywhere in the world can be included in the consortium.

All info re Brazilian applicants is available [here](#)

**Proposal page limits:** The page limits and sections subject to limits, will be clearly shown in the proposal templates in the Participant Portal electronic submission system. Unless stated otherwise in the call conditions, the limit for a full proposal is 70 pages, the limit for a first-stage proposal is 10 pages.

## Evaluation criteria, scoring and threshold:

The criteria, scoring and threshold are described in [General Annex H](#) of the work programme. The following exceptions apply:

- The threshold for the criteria Excellence and Impact will be 4.
- The overall threshold, applying to the sum of the three individual scores, will be 12.

The procedure for setting a priority order for proposals with the same score is given in General Annex H of the work programme. The following exceptions apply:

- Proposals are first ranked in separate lists according to the topics against which they were submitted ('topic ranked lists'). When comparing ex aequo proposals from different topics, proposals having a higher position in their respective 'topic ranked list' will be considered to have a higher priority in the overall ranked list.
- For all topics and types of action, the prioritisation will be done first on the basis of the score for Impact, and then on that for Excellence.

## Indicative time for evaluation and grant agreements:

For two stage procedure:

- Information on the outcome of the evaluation: Maximum 3 months from the final date for submission for the first stage and maximum 5 months from the final date for submission for the second stage; and
- Indicative date for the signing of grant agreements: Maximum 8 months from the final date for submission of the second stage.

---

## Further information:

Check out INCOBRA [Practical guide for the participation of Brazilian entities](#) and [FAPs \(State Funding Agencies\) Guidelines](#)

Contact [INCOBRA helpdesk](#)