

Deliverable Report

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Author(s) and beneficiary acronym:	Lead authors: Rob Aitken - IOM Marie-Valentine Florin - NANORIGO Contributing authors: Martine Bakker - RIVM Yvette Christopher-de Vries - IOM Danail Hristozov - EMERGE Mark Morrison - Optimat Andrea Porcari - AIRI Rudolf Reuther - ENAS Jacques-Aurélien Sergent – Solvay SA Adrienne Sips - RIVM
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Owner of the content	IOM, 06
Co-Owner 1	RIVM, 01

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Executive Summary

The NMBP-13 call launched in 2018 invited consortia to create a Council for Nanotechnology Risk Governance. Further developments in the EU landscape of organisations charged with improving risk assessment and management in the field have indicated that projects should instead focus on describing features of an Organisational Form for Nano Risk Governance. This report provides recommendations for establishing the conditions for it to succeed in support of new developments related to the Chemicals Strategy for Sustainability (CSS). To do this, the three NMBP-13 projects have performed an evaluation of current challenges in the field, done primarily through stakeholder engagement. Outcome of this evaluation has shown that, despite much progress and without discounting the many excellent activities underway by a range of actors, there is a perception that significant challenges remain to be addressed. Yet, any new initiative should be perceived by key stakeholders as being effective and useful in filling outstanding gaps.

There may be a role for a new organisation to primarily provide:

- Priority #1: more connectivity and broader engagement with key stakeholders to collect opinions and concerns and critical expertise that may not be captured in technical hazard and risk assessment alone, and need to be well understood to ensure effective risk management.
- Priority #2: access to multidisciplinary knowledge and expertise, in particular for more systematically integrating social sciences in assessment and decisions.
- Priority #3: better quality data and easier access to data sets along with appropriate tools for risk assessment.

In this context, the design of a possible new organisation has been developed, comprising the building blocks of a supporting organisation (mission, goals, and activities) and how it could be organised.

The report suggests that the overall purpose or mission should be ‘to foster safe and sustainable development, use and disposal of (products containing) nanomaterials in Europe’ (including complex and advanced (nano) materials). A set of organisational goals are suggested, relating to risk governance, cooperation, knowledge, data, innovation and continuity.

Two main options are considered to organise the activities that such an organisation could undertake.

advanced (nano) materials). This indicates that work done under both options can support the work of the CSS for this important subset of materials.

Until February 2023, NMBP-13 project partners will continue engaging with decision-makers to define operational aspects and possible business models for each option. However, it will not be their task to decide whether to implement either or any of these proposed solutions. It is nevertheless their strong opinion that, without some form of central organisation, it would be difficult to capitalize on the progress made, especially around:

- adopting a multidisciplinary and multi-stakeholder Risk Governance Framework suitable to identify, assess, manage and communicate current and future risks and benefits,
- offering a Portal to access databases, instruments, tools and knowledge-based assets that help assess risks to human health and the environment.

NMBP-13 projects are committed to stimulating open-mindedness, creativity and out-of-the-box thinking toward improved risk governance of nanomaterials.

Consultations with different stakeholders have shown the need to promote the safe and sustainable development, use and disposal of (products containing) nanomaterials in Europe, in line with expectations for the circular economy and the green economy. In May 2021, the three NMBP-13 partners delivered a first plan (blueprint) for a possible organisation intended to support the addressing of these concerns^{2 3}. This document was co-created through an extensive process organised jointly by the three projects, including multiple stakeholder engagements. It outlined relevant challenges and opportunities and described the mission and goals, activities and services, and potential organisational arrangements for such an Organisational Form to address these challenges.

In the present deliverable, we re-assess the original blueprint in light of the rapidly changing European policy development landscape and consider how the original plans could be adapted to support the new EU policies. In particular, the report describes two options for an Organisational Form and the conditions of success that could be appropriate to support the EC in implementing the CSS.

² NMBP13 JM8 Agreed mode of operation and structure for Risk Governance Council

³ G4N D5.2 Initial NRG operational plan: mission (mandate), operational structure and recruited initial members

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and more ad-hoc in the case of the Roundtable. These options are further elaborated below (Section 7: design considerations).

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