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DELIVERABLE No.	EXECUTIVE SUMMARY D3.2 / MS11 / JM1
DELIVERABLE TITLE	The Risk Governance Framework prototype
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Executive Summary

NANORIGO is developing and will implement a transparent, transdisciplinary, and comprehensive Risk Governance Framework (NRGF) for manufactured nanomaterials (NM) and nano-enabled products (NEP), based on the use of scientific high-quality data and tools, communication, and engagement with all stakeholders, and embedded in European regulation and legislation. Organisations that will use the RGF will do it for the purpose of aligning, integrating, and transferring the most advanced science-based tools and knowledge on NM physicochemical characterization, exposure and hazard into regulatory human and environmental risk and safety assessment and management.

The NRGF described in this document has been critically examined by the NANORIGO User Committee and has been discussed in numerous consultations with a broad array of stakeholders, considering the various possible uses. The NRGF will also be utilized, assessed, and improved in NANORIGO case studies (WP5).

The deliverable D3.2 is composed from three different parts:

1. D3.2-A Background document for NANORIGO Nanotechnology Risk Governance Framework (NRGF)
2. D3.2-B The Demonstrator of the Risk Governance Framework prototype
<http://nanorigo.europeanprojects.net/>
3. D3.2-C NRGF Web-platform manual

This D3.2-A document describes the background of the proposed risk governance framework taking to account the existing frameworks. It also outlines the elements and describes the content of the risk governance framework proposed by the NANORIGO project. The Framework comprises six subsequent interlinked elements (steps), with three core functions (cross-cutting aspects).

1. Pre-assessment – Identification and framing; setting the boundaries of the risk or system.
2. Technical risk assessment – Assessing the technical causes and consequences of the risk.
3. Opinion and concern risk assessment – Assessing the perceived causes and consequences of the risk.
4. Evaluation – Making a judgment about the risk and the need to manage it.
5. Management – Deciding on and implementing risk management options
6. Monitoring and feedback – learning and improving from experience

Core functions (cross-cutting aspects):

- Considering the context
- Communicating
- Engaging with stakeholders
- Coordinating the process

This document also explains the structure of the NRGF serving as the web-based host for the specific databases and tools selected in NANORIGO. The structure has a 'plug-in' function. It serves as the integrator of important concepts and principles, tools and illustrations (notably from case studies) selected by NANORIGO as relevant and accurate to address challenges of nanotechnology risk governance.

The following sections of this working document are thus structured to provide brief information and links to (including in a summary table):

- (1) CONCEPTS, conceptual background, and principles, as well as information about purpose
- (2) TOOLS, methods, databases, quality criteria and guidelines
- (3) ILLUSTRATIONS for each important facet of the NRGF and application in various sectors

The second report (D3.2-C) and the web-platform prototype (demonstrator D3.2-B) is based on D3.2-A ("NANORIGO Nanotechnology Risk Governance Framework, NRGF") and it will serve as a manual for using the prototype. All the functions are described in this deliverable, and included resources (tools, databases, and documents) are reflected in previous deliverables from this project (mainly D1.1 and D2.1).

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement n°814530 This document reflects only the author's view and the Commission is not responsible for any use that may be made of the information it