Nanotechnology Risk Governance Framework (NRGF) – adaptation of the IRGC approach

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It has been widely acknowledged that the **risk governance of nanotechnology** should be based on a clear understanding of risk, its management practices, and the societal risk perception by all stakeholders. The Risk Governance Framework of the International Risk Governance Center (IRGC) describes processes aiming to provide and structure scientific evidence about a risk in a societal context.

The **NANORIGO, RiskGONE and GOV4NANO** projects consider this framework along with the ISO 21505 and ISO 31000 standards modified in caLIBRAte to fit nanotechnology, its products and contiguous frameworks. The NRGF provides guidance for early identification, assessment, management and communication of risks, involving multiple stakeholders, considering the social impacts of the various uses of nanoproducts, and coupling risk benefit assessment.

It integrates selected **methods, tools and best practices** that can improve or complement existing practices for safety and risk management. **Stakeholder needs**, as continuously identified, are incorporated in the NRGF to enable tailored development for multiple stakeholder groups. The NRGF comprises of interlinked steps and cross-cutting core functions and serves as the integrator of important concepts and principles, tools and illustrations. The framework is converted to **web-based solutions** also including the use of FAIR data to facilitate its' interactive and flexible use.

JM9	Shared working documents on Nano Risk Governance Framework & Portal
JM9	Identification of agreed and shared needs for NRGF, based on stakeholder activities and options of the Framework prototype
JM10	Verification that the requirements for the NRGF are covered by the content of the cloud/portal-platform/Web tool(s) from all three projects
JM17	Final version of the Risk Governance Framework

Governance

Refers to the actions, processes, traditions and institutions by which authority is exercised and decisions are taken and implemented.

Involvement

Involves multi-disciplinary sciences and multi-stakeholder approaches.

Framework

For risk governance this is based on a defined and structured process to addressing risk in a comprehensive and holistic manner.

A future-proof, operational Nano Risk Governance Framework

- Based on the IRGC Framework
- Integrates scientific data and operational tools into a relevant and reliable and transparent decision framework, trusted among stakeholders
- Aimed at a participative and pro-active form of governance
- Based on existing infrastructure & across all relevant domains a.o. chemicals, biocides, consumer products, food, medicine
- Connecting key organizations and stakeholders (EU and global)

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