

# Risk Governance of Nanomaterials

## The Challenge:

Nanotechnology impacts a broad range of industries and applications. Yet, the interaction of engineered nanomaterials with the living environment is complex and is marked by uncertainty and ambiguity. As a result, there is an urgent need to develop appropriate governance structures, to ensure the trust of all stakeholders.

## NMBP-13 Cluster Three European Projects Working Together



## The Approach:

Three large independent European projects are collaborating in this endeavour. The partners involved have a long history of research to understand the impacts of nanomaterials on human health and the environment, and have participated in all major European and National projects dealing with these topics.

Although each of the projects has its own unique approach and objectives, they share common goals and visions which will be strengthened by constructive cooperation involving all stakeholders across Europe.

## Expected Outcomes

### A Nanotechnology Risk Governance Portal (NRGP)

An NRGF that is built on sound scientific data and informatics tools. The data and tools, SOPs, and guidelines that are generated will be validated, standardized, as well as progressive, and will be made accessible to all stakeholders. The creation of the portal aligns with the workplans of the three projects.



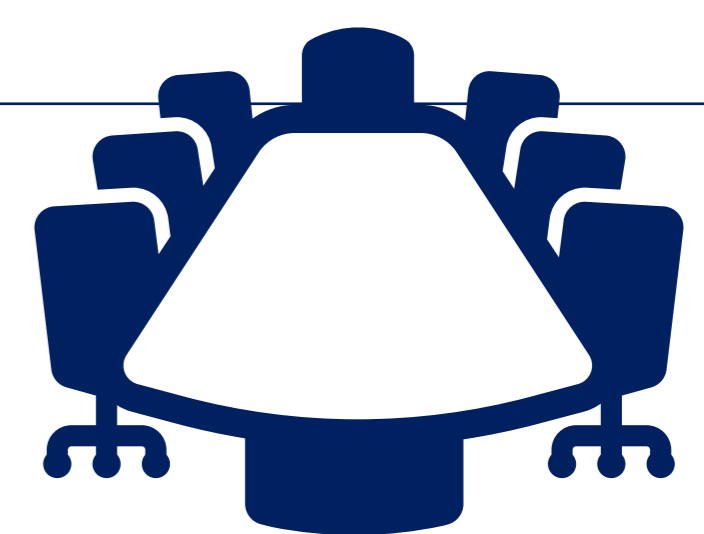
### A Nanotechnology Risk Governance Framework (NRGF)

An operational, trans-disciplinary NRGF that integrates exposure, hazard and risk assessment tools with those assessing ethical, legal, social, and environmental aspects, and further supports responsible research and innovation (RRI).



### A Nanotechnology Risk Governance Council (NRGC)

A sustainable NRGC that implements the NRGF and engages with all stakeholders in a proactive, participative, and transparent manner. The NRGC will be a 'trusted environment' to address new issues as they may arise. The NRGC goals of knowledge sharing and access to information will be supported by the NRGF.



## The Development Timelines and Processes

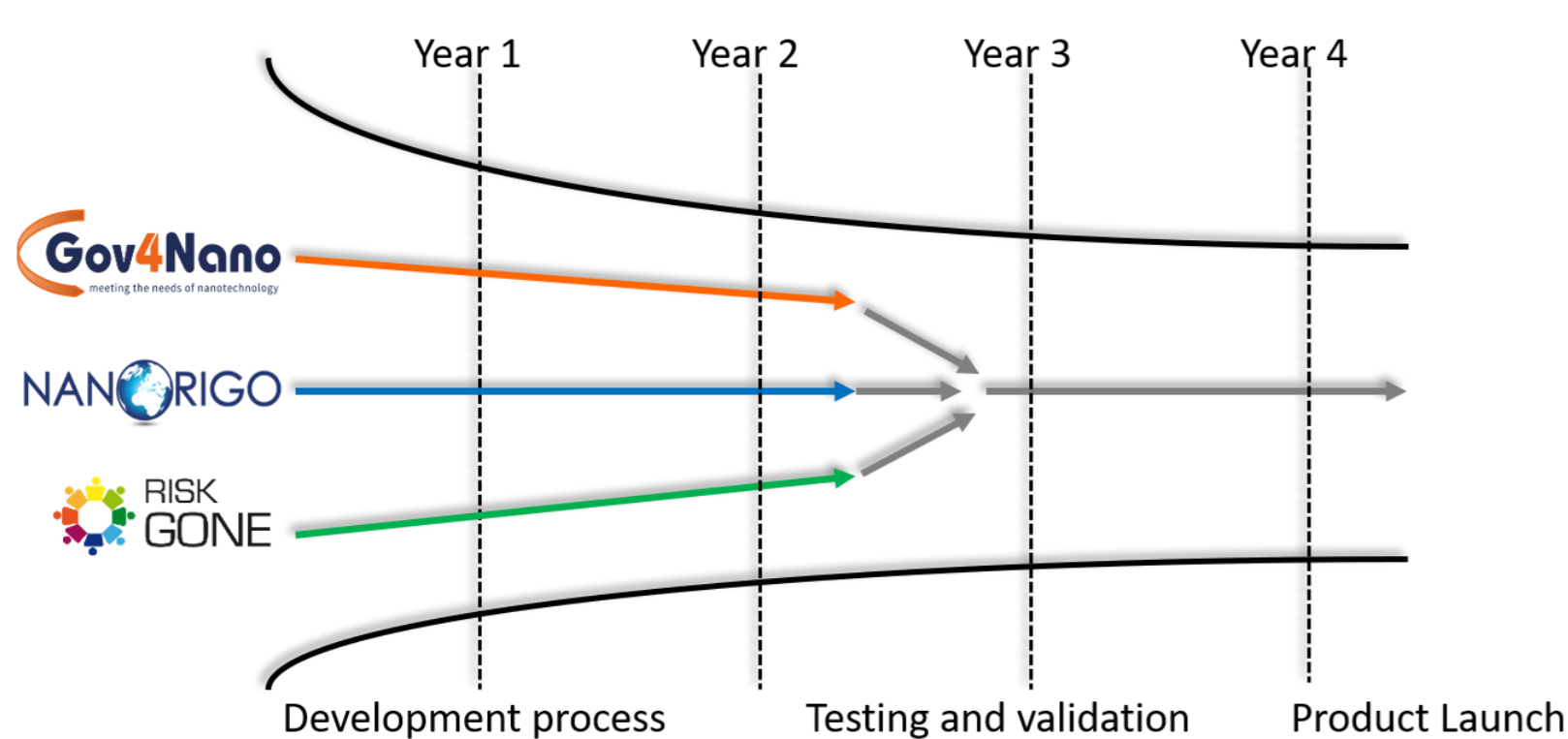


Fig.1 The NRGF development process

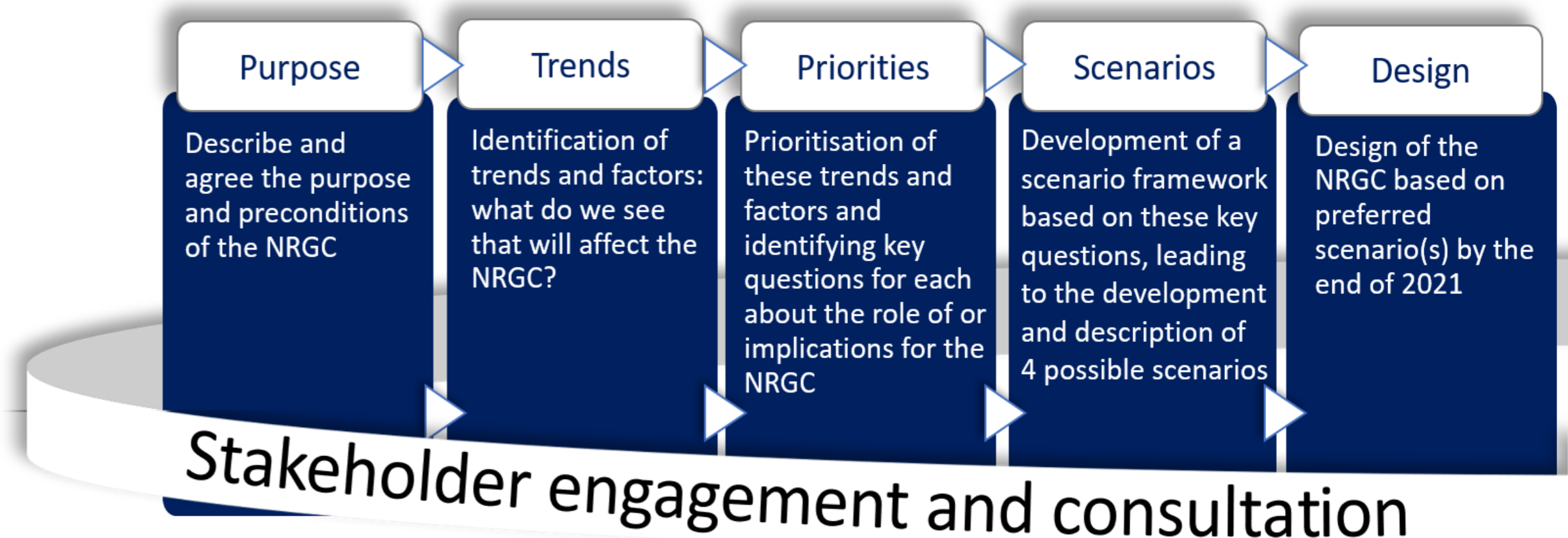


Fig.2 The NRGC and NRGF development process

**We want to hear your views:** Join the Stakeholder Community: [www.tinyurl.com/NMBP13Stakeholder](http://www.tinyurl.com/NMBP13Stakeholder).

**NMBP-13 Collaboration:** 3 projects; 82 partners; 17 EU countries and Brazil, India, Iran, Switzerland, South Africa, Republic of Korea, the UK, and the USA; **Budget:** € 18.3 million; **Duration:** January 2019 – February 2023

[www.gov4nano.eu](http://www.gov4nano.eu)

[www.nanorigo.eu](http://www.nanorigo.eu)

[www.riskgone.eu](http://www.riskgone.eu)



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