

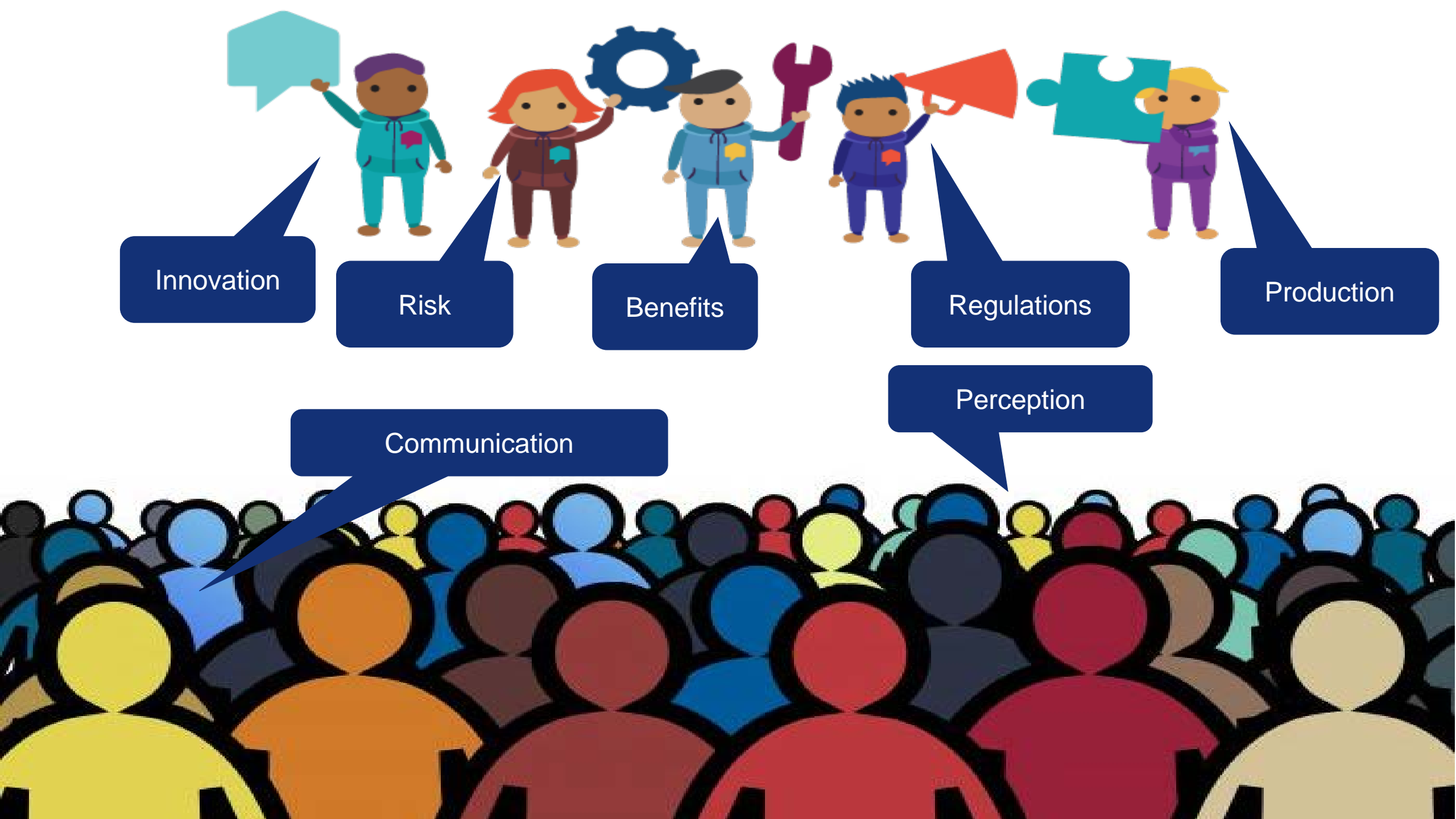


Risk Governance of Nanomaterials

3 European projects working together



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grant





Governance



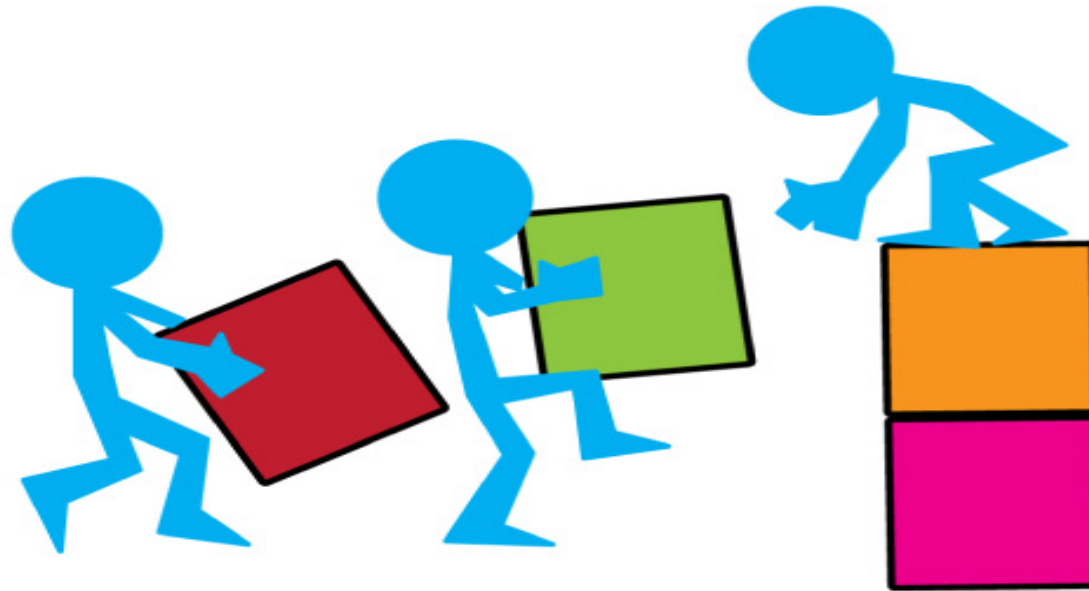
Challenge

- Nanotechnology impacts a broad range of industries and applications
- Interaction of engineered nanomaterials with the living environment is complex and is marked by uncertainty and ambiguity
- Urgent need to develop appropriate governance structures, to ensure the trust of all stakeholders



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NANORIGO – Gov4Nano – RiskGONE NanoInformaTIX - NanoSolveIT



We must play together



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FAST FACTS



Financial resources

H2020 Projects

Budget: € 18.3 million



Duration

January 2019 – February 2023

Collaboration

3 projects

82 partners

17 EU countries, Brazil, India, Iran, Switzerland, South Africa, South Korea and USA

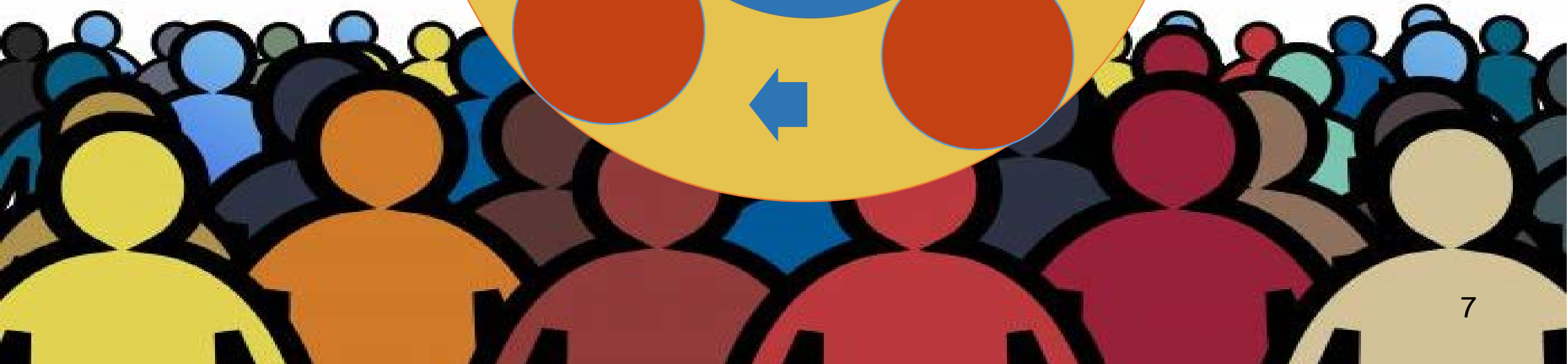


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Risk Governance Framework for decision making

Supporting Infrastructure data, tools & instruments

Nano Risk Governance Council



Outcome



- Self-sustained European Risk Governance Council
- Proof of concept of an effective risk governance process
- Operational Nanotechnology Risk Governance Framework
- NanoSafety Governance Portal
- Demonstrate functioning of the Council

Nano Risk Governance Framework

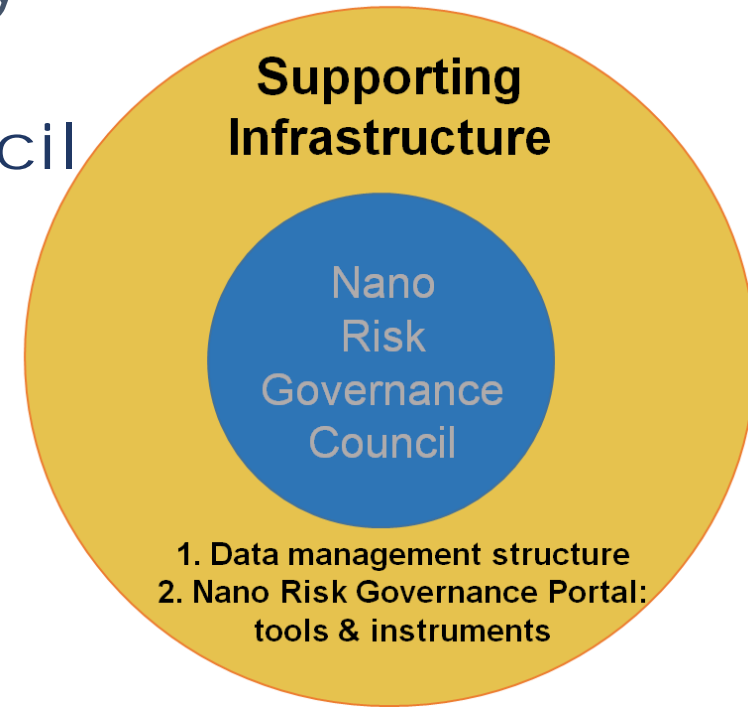
- Decision making framework for Council
- Future-proof based on International Risk Governance Council
- Integrates scientific data and operational tools
- Participative and pro-active role for stakeholders
- Based on existing infrastructure
- All domains: chemicals, biocides, consumers, food, medicine
- Connecting key organizations and stakeholders (EU and global)



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Nano Safety Governance Portal

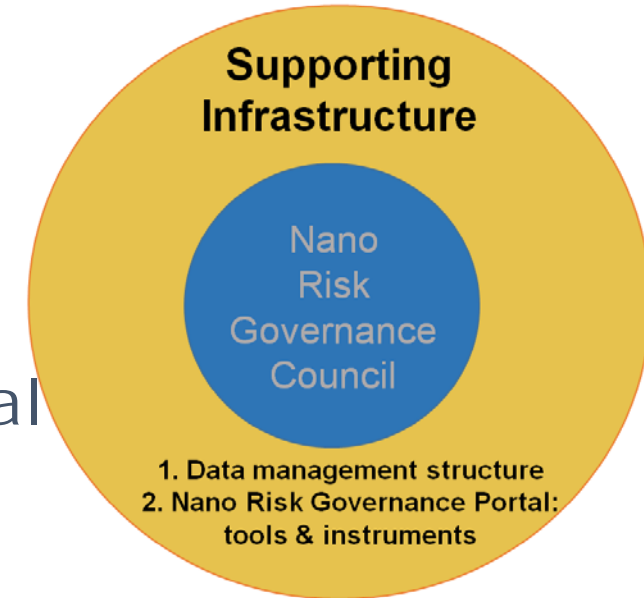
- Infrastructure integrates academic, industry and regulatory information
- Support decision making framework & council
- Validated state-of-the-art tools
- NANoREG, caLIBRAte, NanoCommons & NanoReg2
- QA/QC processes and decision tree
- Process for collection and harmonisation of data
- Covers applicability and acceptance (regulatory or industrial)



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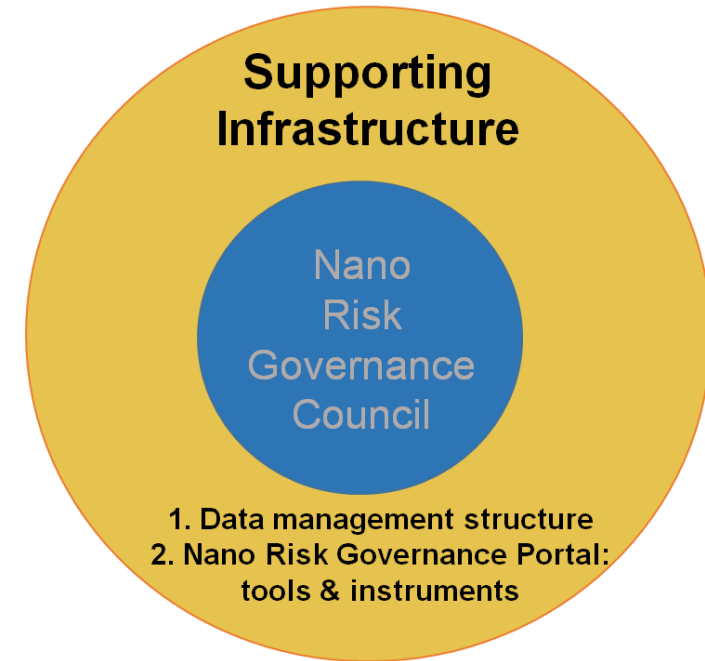
Data management (incl. NMBP-14 projects)

- FAIR – EHS data infrastructure
Findable, Accessible, Interoperable and Reusable
- Computation platforms allow easy access to curated data
- Easy uploading, Quality Assessment e.g. Mutual Acceptance of Data (OECD)
- Build on NanoCommons and work towards machine learning



Scientific support for harmonised testguidelines

- Collaboration with Malta Initiative to join (EU) forces
- Nano-specific adaptations of OECD TG/GD
- Dedicated regulatory risk research & experimental work
- Specific endpoints to be addressed: surface chemistry, solubility, reactivity and dustiness of nanomaterials



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The Malta Initiative

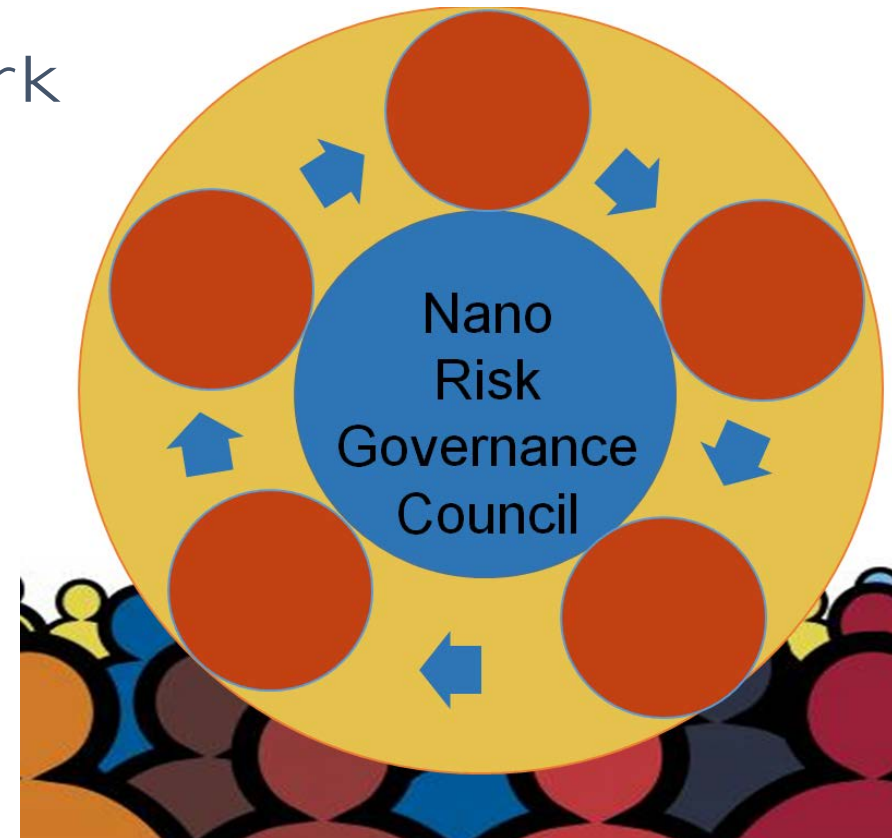
A joint route towards standardisation, testing guidelines and guidance documents.



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Nanotechnology Risk Governance Council

- Governance Council to put the framework into practice
- Overarching, independent, trustworthy body
- Bridge between knowledge generators and decision makers
- Services for all stakeholders



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