caLIBRAte nano risk governance

National Research Centre for the Working Environment

The EU H2020 caLIBRAte project
Towards a Nano-Risk (Innovation) Governance Platform

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AIM

TO ENABLE TRUSTWORTHY HUMAN AND ENVIRONMENTAL NANO-RISK ASSESSMENTS AND MANAGEMENT DURING INNOVATION, PRODUCTION AND USE OF MANUFACTURED NANOMATERIALS (MN) AND MN-ENABLED PRODUCTS AND THEREBY FACILITATE SAFE-BY-DESIGN AS WELL AS RELIABLE RISK COMMUNICATION AND RISK TRANSFER BETWEEN STAKEHOLDERS.

Main caLIBRAte products

I. A first generation nano-risk governance portal providing :
   a) Tools for horizon scanning monitoring of developments in nanosafety knowledge and regulation;
   b) Tools for qualitative and quantitative predictive and test-based human and environmental risk assessment, management, and safety-by-design suitable at different information levels and stages during innovation (pre-regulatory), launch (regulatory) and post-launch (operational);
   c) Guidance for good nanosafety practise, -education, and risk communication;

II. Thoroughly tested and "validated" control banding and quantitative methods and tools for nano-risk assessment and management.

III. Curated existing and new data on physicochemical properties, hazards, process and use emission potentials, and exposure case studies to support the risk assessment tools.

IV. Overview of industry, consumers, regulators, service providers and insurance stakeholders' nano-risk concerns, perception, competences, and nano-risk governance needs.

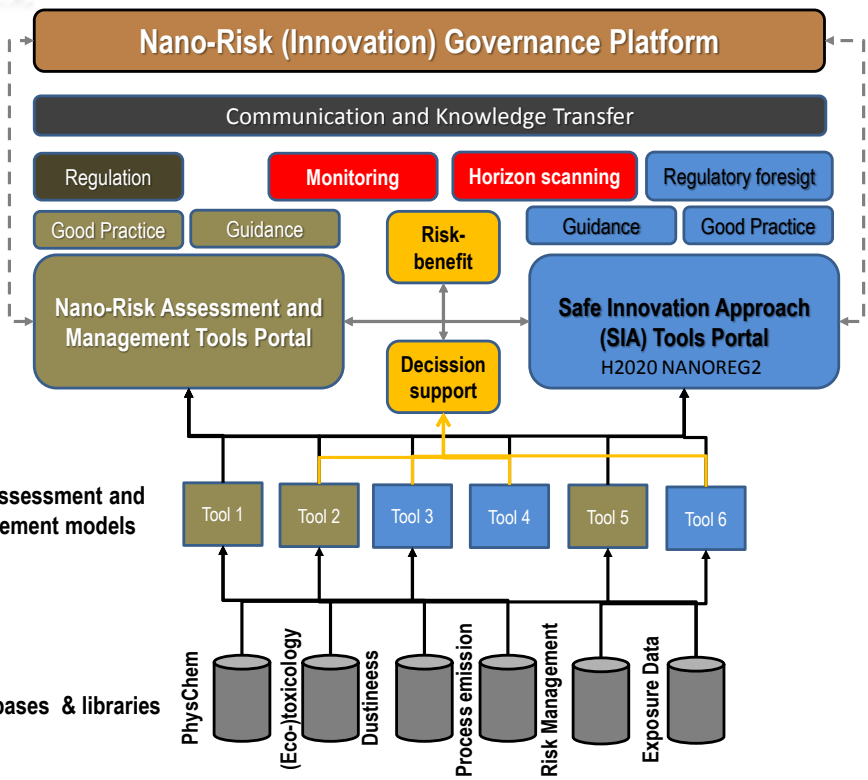
Users: industry, service providers, regulators, NGO's etc.

Stakeholder needs
Guidance
Good practice
Nanospecific risk assessment and management methods and tools
Nano hazard and exposure data

Model and data review
Filling model and data gaps
Revisions

Validation
Sensitivity testing
Calibration / performance testing

Demonstration
Acceptance



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