NanoCommons

Nano-Knowledge Community

The European Nanotechnology Community Informatics Platform: Bridging data and disciplinary gaps for industry and regulators

www.NanoCommons.eu

NanoCommons is establishing a single integrated resource for nanoinformatics data in which different stakeholders (e.g. scientists, regulators, NGOs, industries, etc.) can have confidence that it is both up-to-date and self-consistent.

We Develop, You Access

Experimental Workflows Design & Implementation

Automated data acquisition, online lab-books, data curation templates, nanoinformatics implementation.

Data Processing & Analysis

From data cleansing, mining and analysis to modelling and from ISA-TAB tools to ontologies.

Data Visualisation & Predictive Toxicity

Omics, QSARs, modelling and risk assessment tools.

Data Storage & Online Accessibility

Data repositories, storage, online access

The next managed call for User access to our expanding catalogue will be launched October 2019, for funded access to nanoinformatics tools and expert support during 2020.

NanoCommons Core Values

Integrity: We believe in building trust, strong personal relationships and long-term collaborations to support sustainability of nanosafety knowledge and resources.

Quality: We are dedicated to continuously expanding the state of the art and improving high quality tools and services for data production, acquisition and analysis.

Innovation: We strive to identify, develop and implement the tools which will help all aspects of research and contribute to solving the problems of the nanosafety community.

FAIR Data: NanoCommons is committed to FAIR data principles and aims to promote cross-field (academia, industry, regulatory) collaboration and voluntary knowledge exchange.

The NanoCommons Consortium

Biomax Informatics

CEH

BIO NANONET

University of Birmingham

NovaMechanics

National Technical University of Athens

BfR Bundesinstitut für Risikobewertung

LEITAT managing technologies

Maastricht University

UCD Dublin

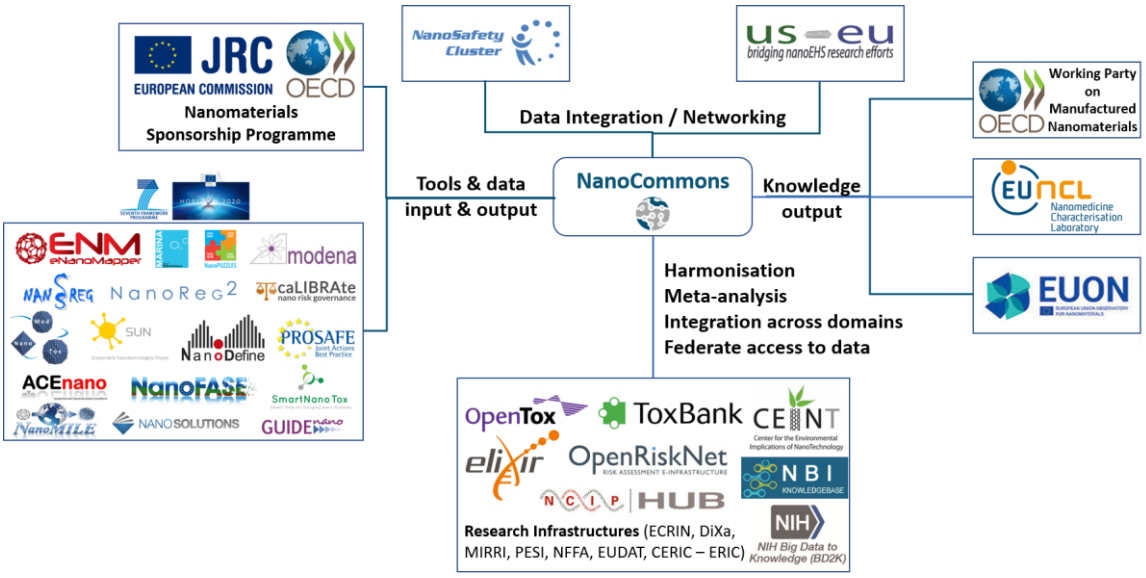
Edelweiss Connect

Oregon State University

Universität Salzburg

CEINT Center for the Environmental Implications of NanoTechnology

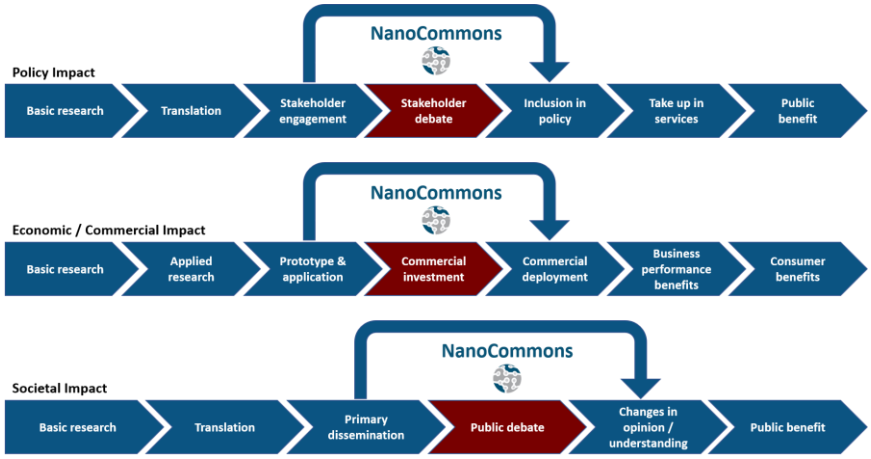
NanoCommons: NanoSafety Data Integration for Impact



10 Countries Worldwide

14 Dedicated Partners

30+ Experts



Key policy, economic and societal tipping points resulting from NanoCommons activities

NanoCommons is delivering a step-change for the emerging nanosafety informatics community by revolutionising data capture, management & sharing, thereby removing barriers to modelling, regulation and industry processes such as safety-by-design for nanomaterials.

NanoCommons will achieve this through:

1. Integration of disparate datasets, tools and modelling approaches from across the 60+ projects related to nanosafety-funded across FP6, FP7 and H2020 (**Networking Activities**),

2. Development of an integrated KnowledgeBase to facilitate development and application of regulatory tools such as QSARs, grouping and read-across (**Joint Research Activities**); and

3. Support to Users (academia, industry, regulators etc.) via funded access to knowledge management and nanosafety informatics tools and expertise (**Transnational Access**).

NanoCommons nanosafety tools survey

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