





Online training tools for nanosafety assessment – NanoCommons for researchers and safety assessors in industry, academia, and regulatory authorities

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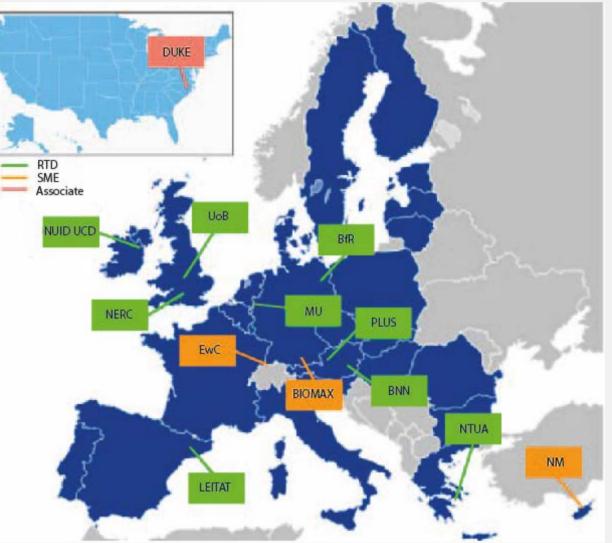
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Background

Nanotechnologies and the resulting novel and emerging materials (NEMs) represent major areas of investment and growth for the European economy. Recent advances have enabled confidence in the understanding of what constitutes toxicity of NEMs in relation to health and environmental hazards. However, the nanotechnology and nanosafety communities remain disparate and unconnected, whilst knowledge and data remain fragmented and inaccessible.

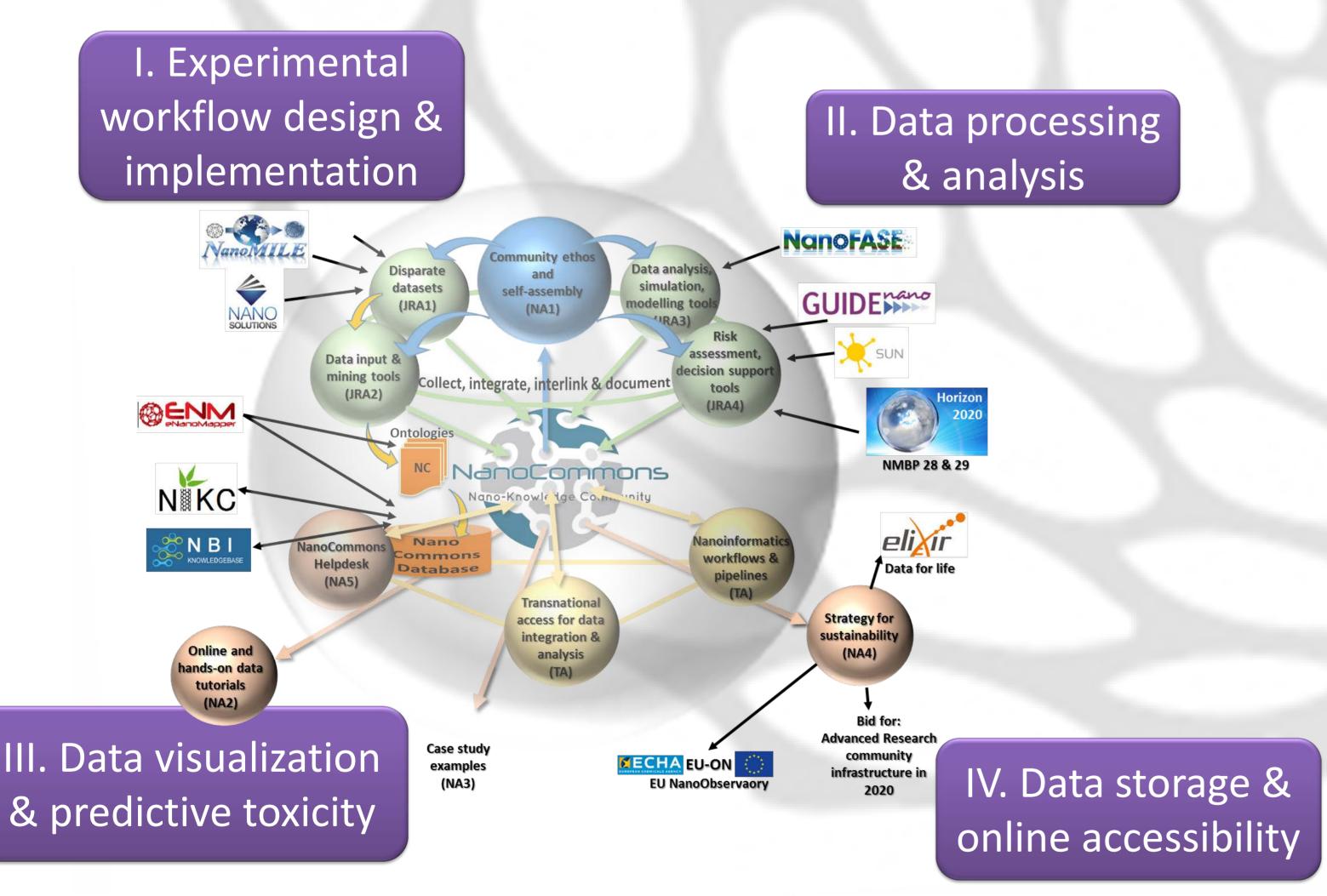
Aim

NanoCommons is a research e-infrastructure project offering access to high quality nanoinformatics tools and services for nanotechnology and nanosafety stakeholders (academia, industry, regulators). It is user-led, offering and developing the services needed by the user community of nanotechnology, nanosafety and related fields. NanoCommons is built on 3 main pillars: joint research activities, networking activities and transnational access (TA) services.



NanoCommons consortium

The NanoCommons' TA service categories



& available online training tools

TA service category	Training tool	Format	Level
Experimental workflow	PC characterization protocols	Written tutorial	Basic
Data processing & analysis	Biomax data templates	Recorded webinar	Basic
	NIKC data templates	Written tutorial	Advanced
	Jacpot platform	Video	Advanced
		Video	Expert
	Enalos NanoXtract for TEM	Video	Basic
		Online tutorial	Basic
	Openrisknet e-	Online webinar incl	Basic
	infrastructure	video	
		Online webinar incl	Advanced
		video and	
		documentation	
Data visualization &	Enalos cloud for zeta	Video	Basic
toxicity prediction	potential	Online webinar	Basic
	Enalos cloud for Safe-by-	Video	Basic
	Design	Online tutorial	Basic
	Guidenano	Online webinar	Basic
Data storage	Scinote	Video	Basic
		Online tutorial	Basic
	ACEnano knowledge infrastructure	Online tutorial	Basic

TA services are designed to promote data FAIRness (Findable, Accessible, Interoperable, and Reusable). NanoCommons provides innovative solutions for data mining, harmonisation, utilisation and reutilisation, including incorporation of a range of modelling and decision support tools that require and/or can produce organised, high-quality datasets.

More info randocommons.eu

Online training tools are available at <u>www.nanocommons.eu</u>

Acknowledgment

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