

Proposing a Roadmap and a European policy for the nano-safety in the construction sector

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Objectives

Highlight main **Barriers** to a plainly satisfactory solutions

Propose concrete & realistic **Objectives and Actions**

Method

Review


Feedback from project

Extensive **stakeholder consultation**:

- Workshops, meetings, surveys, interviews, document reviews
- **Construction Industry**: federations, OHS Managers
- Manufacturers of construction products / of PPEs
- Policy makers, **OSH agencies** (EU, national)
- Experts in nanosafety ...




Your feedback
is welcome !

OSH information down the user chain

Issue	Objectives	Actions	Ordering	When
	Better transmission of OSH information down to final products (→ also: raise awareness)	1. Initial check of MSDS of construction products ==> - feedback to individual producers - guide for producers	Ind. OSHAs Adm.	2015-16
		2. Routine control of some MSDS of construction products	-	2017-
		Notification of products containing nanos	-	-


Ind.: industry; OSHAs: OSH Agencies; Adm: administration: EC, national ministries

Exposure and risk assessment

Issue	Objectives	Actions	Ordering	When
	Establishment of OELs	1. Hierarchize the needs (compounds), function of hazard, exposure potential,...	OSHAS Adm.	Now
		2. Support on-going works on OELs for priorities, incl. background research		2015-16
	Better adequation of measurement capacities for assessment needs	1. Optimize use of current devices: - clarification for each device - objective-based measurement strategies: f(compound, OEL,...)	OSHAS Adm., Device manufact.	Now
		2. Identify & hierarchize remaining gaps		-
		3. R&D focusing on the priorities	RFAs	2016-
	Availability of typical exposure data in some activities	Support the development of and access to the PEROSH or other exposure database for ENMs	OSHAS Adm.	2015-16
		Launch study on typical exposure for certain activities: drilling, demolition,....: 1. Review 2. Pilot studies if/where relevant	Ind. OSHAS Adm.	2016-
		Require the registration of nano-exposure data	-	-

Ind.: industry; OSHAs: OSH Agencies; Adm: administration: EC, national ministries; RFAs: Research Funding Agencies

Awareness and best practices

Issue	Objectives	Actions	Ordering	When		
	Raise awareness , disseminate best practice , increase the culture of safety	1. Disseminate Scaffold, incl. at nat. level	Scaffold	2015-16		
		2. Develop the Technical Specification (TS) for the management of occupational nano-risk in construction		2015-17		
		3. Translate , integrate Scaffold in national tools (e.g. OSH factsheets)		2015-17		
				4. Develop a professional training and certification of competencies for occupational nanosafety at EU scale , with developments for the construction sector		2016
				5. Keep scaffold toolkit & co up-to-date		2016-
				Information campaign: NPs in products, exposure, solutions; websites, prof. journals, trade fairs, OSH authorities,..		2016 -
				Explicite inclusion of nanosafety in the proof of compliance for OSH	OSHAs Adm.	Now
		ENM specific best practice at the workplace	-	-		
		Prescribe exact PPEs for construction				
		ENM specific OSH regulation	-	-		

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Final thoughts: who can do (part of) the work?

Studies, measurement strategies, training & certification, updates...

Expertise: # scientific/academic science

- Transferring science into **operational** tools for the market
- Connected to science, industry, administrations
- Ready for compromises, **pragmatic** approaches

Sustainable, for continuity in the approach, regular updates

European, for homogeneity of approach, representativeness of solutions

Pluri-disciplinary

→ Suggestion:

European structure gathering expertise institutes

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