

TOWARDS A STRATEGIC NANOTECHNOLOGY ACTION PLAN (SNAP) 2010-2015

Respondent profile	
Status confirmation - I answer this questionnaire on behalf of:	an organisation / company
What type of organisation do you represent?	Research institute or Higher education institute
What is the name of your organisation?	Partnership for European Research in Occupational Safety and Health (PEROSH)
Are you a Registered Organisation?	Yes
Please provide your Organisation's Register ID.	67192252083-94
Country:	Belgium
E-mail address:	nele.roskams@perosh.eu
Do you grant us permission to contact you using this e-mail address in the future?	Yes
Opinion on nanotechnologies	
Which of the following reflects your opinion about nanotechnologies best?	I have high expectations from nanotechnologies
Benefits	
Please indicate for each area what level of benefits you expect from nanotechnologies:	
Aerospace, automotive, and transport (e.g. weight reduction, self-cleaning coatings)	Very high
Agriculture (e.g. efficient fertilizers, pesticides delivery)	Modest
Construction (e.g. stronger materials, insulation materials, self-cleaning windows)	Very high
Energy (e.g. solar cells, other forms of energy conversion, batteries, other forms of energy storage)	Very high
Environment (e.g. supply of drinking water, wastewater treatment, soil remediation, emission)	High

reductions)	
Food and feed (e.g. active packaging, preservatives, enriched food, flavour, smell, taste and colours)	Very high
Health care (e.g. diagnostics, treatment, pharmaceuticals)	Very high
Household products and other consumer products	Very high
ICT (e.g. computing, storage, communication, media)	Very high
Nano-bio-cogno-technology applications (e.g. human enhancement)	High
Protective equipment	High
Security (e.g. detection of dangerous substances, tracking of objects or of persons)	High
Sustainable Chemistry (e.g. enhanced process efficiency by catalysis)	Very high
Textiles / Clothing	High
Risk	
Please indicate for each area what level of risk you expect from nanotechnologies:	
Aerospace, automotive, and transport (e.g. weight reduction, self-cleaning coatings)	High
Agriculture (e.g. efficient fertilizers, pesticides delivery)	High
Construction (e.g. stronger materials, insulation materials, self-cleaning windows)	Very high
Energy (e.g. solar cells, other forms of energy conversion, batteries, other forms of energy storage)	Modest
Environment (e.g. supply of drinking water, wastewater treatment, soil remediation, emission reductions)	High
Food and feed (e.g. active packaging, preservatives, enriched food, flavour, smell, taste and colours)	High
Health care (e.g. diagnostics, treatment, pharmaceuticals)	Modest

Household products and other consumer products	Very high
ICT (e.g. computing, storage, communication, media)	Modest
Nano-bio-cogno-technology applications (e.g. human enhancement)	Do not know
Protective equipment	Modest
Security (e.g. detection of dangerous substances, tracking of objects or of persons)	None at all
Sustainable Chemistry (e.g. enhanced process efficiency by catalysis)	Do not know
Textiles / Clothing	High

Concerns

What are your main concerns about the present situation of nanotechnologies?

Europe lagging behind its competitors in exploiting the benefits of nanotechnologies	No opinion
Obstacles to innovation	No opinion
Lack of tools to implement and enforce existing regulation on environment, health and safety	Major issue
Lack of adequate information to the public on benefits and potential risks	Major issue
Lack of uniform terminology	Smaller issue
Lack of knowledge and transparency regarding products on the market containing nanomaterials	Smaller issue
Lack of proper consumer product information	Smaller issue
Lack of public dialogue / debate	Smaller issue
The possible toxicity of poorly understood nanomaterials	Major issue
The possible effects of nanomaterials on workers' health	Major issue
The possible risks from accidents when manufacturing nanomaterials	Smaller issue
The possible effects of nanomaterials on the environment	Smaller issue
Lack of new specific regulations - especially	No opinion

related to Nano-bio-cogno-applications (e.g. enhancement)	
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Lack of adequately skilled personnel	Smaller issue
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Security and privacy issues (e.g. the possibility to track persons)	No opinion
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Ethical issues (e.g. human enhancement)	No opinion
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Governance

How do you perceive the present governance at EU level related to nanotechnologies?

Consultation of stakeholders	No opinion
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Public dialogue, communication, transparency	Fair
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Addressing issues of risk (for workers, consumers, and the environment) and benefit	Poor
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Addressing ethical issues	No opinion
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Addressing issues of privacy and fundamental rights	No opinion
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Setting of research priorities	Fair
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Addressing especially Nano-bio-cogno-applications (e.g. enhancement) by additional targeted regulation	No opinion
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Implementation of regulation	No opinion
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Awareness

Are you aware of the following EU documents / activities related to nanotechnologies?

The European Strategy and Action Plan on nanosciences and nanotechnologies	I know they exist
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The 1st and 2nd implementation reports on the Action Plan	I know they exist
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The Code of Conduct for responsible research	I know and use them
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The EGE Opinion on ethics of nanomedicine	I did not know
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Opinions of the European Parliament on nanotechnologies	I know and use them
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Research and research funding (FP7)	I know and use them
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EU policies in new Action Plan

How should the following EU policy actions related to nanotechnologies be continued in the new Action Plan?

Active communication and dissemination of information	Keep as now
Public dialogue with stakeholders including targeted feedback	Keep as now
International dialogue	Keep as now
International cooperation	Keep as now
Support to the EU foresight studies	Keep as now
Develop education and training in Nanosciences and Nanotechnologies	Keep as now
Remove barriers to innovation in Nanotechnologies	No opinion
Incentives and tools facilitating innovation in Nanotechnologies	No opinion
Development of infrastructure for nanotechnology application studies including assessment	Keep as now
Address safety concerns linked to Nanotechnologies	Do more
Promote cost-effective measures to minimise exposures	Do more
Develop better tools for assessment of risk and benefits for Nanotechnologies	Do more
Adapt existing legislation for nanomaterials	Do more
Improve the implementation of existing legislation	Do more

New policy actions

Which new EU policy actions related to nanotechnologies should be envisaged?

Establish an inventory of types and uses of nanomaterials, including safety aspects	Yes, do
Require adequate information on consumer products (e.g. claims verification; labelling of nano-content of consumer products)	Maybe
Develop new specifically targeted regulation for nanotechnologies - especially related to Nano-bio-cogno-applications (e.g. enhancement)	Maybe

Other (optional - max 200 characters):

EU research actions

Which EU research actions related to nanotechnologies should be reinforced or reduced?

EU-wide coordination of national / regional R&D	Do more
Support research needed for implementing regulation (research into the safety of nanomaterials and into methods for toxicity testing and for monitoring)	Do more
Support enabling research (into understanding, measurement, testing, imaging, and modelling of materials and properties at the nanoscale)	Do more
Support research into applications that can contribute to EU policy objectives (such as health, environment and climate, energy, water, workers' protection, ...)	Do more
Support research into industrial applications leading to more eco-efficient production (e.g. chemicals, biotechnology)	No opinion
Support research into other industrial applications of nanotechnologies with a high potential for innovation, new employment and new markets	No opinion
Support the development of research infrastructures	Do more
Support centres of excellence including their networking	Do more
Support research on ethical, legal and social aspects of nanotechnology	No opinion
Promote industrial involvement in EU R&D projects	Do more
Foster the industrial exploitation of nano R&D results	No opinion
Ensure ethical review of EU nano R&D projects	Keep as now
World-wide international cooperation	Do more

Other suggestions - comments (max. 1200 characters):

Meta Informations

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