

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?	Association of companies
If "association of companies", then please specify sector:	
nanomaterials	
What is the name of your organisation?	
NANO futures Romania	
Are you a Registered Organisation?	Yes
Please provide your Organisation's Register ID.	
76582263244-70	
Country:	Romania
E-mail address:	
rpiticescu@imnr.ro	
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 am reasonably optimistic about 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)	High
Agriculture (e.g. efficient fertilizers, pesticides delivery)	High
Construction (e.g. stronger materials, insulation materials, self-cleaning windows)	Modest
Energy (e.g. solar cells, other forms of energy conversion, batteries, other forms of energy storage)	High
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)	Modest
Health care (e.g. diagnostics, treatment, pharmaceuticals)	Very high
Household products and other consumer products	Modest

ICT (e.g. computing, storage, communication, media)	High
Nano-bio-cogno-technology applications (e.g. human enhancement)	Modest
Protective equipment	Modest
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)	Very high
Construction (e.g. stronger materials, insulation materials, self-cleaning windows)	Modest
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)	High
Household products and other consumer products	Modest
ICT (e.g. computing, storage, communication, media)	Modest
Nano-bio-cogno-technology applications (e.g. human enhancement)	High
Protective equipment	Modest
Security (e.g. detection of dangerous substances, tracking of objects or of persons)	Modest
Sustainable Chemistry (e.g. enhanced process efficiency by catalysis)	High
Textiles / Clothing	Modest

Concerns

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

Europe lagging behind its competitors in exploiting	Major issue
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the benefits of nanotechnologies	
Obstacles to innovation	Major issue
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	Smaller issue
Lack of uniform terminology	Major issue
Lack of knowledge and transparency regarding products on the market containing nanomaterials	Smaller issue
Lack of proper consumer product information	Major 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	Smaller issue
The possible risks from accidents when manufacturing nanomaterials	Smaller issue
The possible effects of nanomaterials on the environment	Major issue
Lack of new specific regulations - especially related to Nano-bio-cogno-applications (e.g. enhancement)	Major issue
Lack of adequately skilled personnel	Major issue
Security and privacy issues (e.g. the possibility to track persons)	Smaller issue
Ethical issues (e.g. human enhancement)	Major issue

Governance

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

Consultation of stakeholders	Poor
Public dialogue, communication, transparency	Good
Addressing issues of risk (for workers, consumers, and the environment) and benefit	Good
Addressing ethical issues	Fair
Addressing issues of privacy and fundamental rights	Poor
Setting of research priorities	Fair
Addressing especially Nano-bio-cogno-applications (e.g. enhancement) by additional targeted regulation	Poor
Implementation of regulation	Fair

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 and use them
The 1st and 2nd implementation reports on the Action Plan	I have read them
The Code of Conduct for responsible research	I know and use them
The EGE Opinion on ethics of nanomedicine	I know they exist
Opinions of the European Parliament on nanotechnologies	I know and use them
Research and research funding (FP7)	I know and use them

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	Do more
International dialogue	Keep as now
International cooperation	Do more
Support to the EU foresight studies	Keep as now
Develop education and training in Nanosciences and Nanotechnologies	Do more
Remove barriers to innovation in Nanotechnologies	Do more
Incentives and tools facilitating innovation in Nanotechnologies	Keep as now
Development of infrastructure for nanotechnology application studies including assessment	Do more
Address safety concerns linked to Nanotechnologies	Keep as now
Promote cost-effective measures to minimise exposures	Keep as now
Develop better tools for assessment of risk and benefits for Nanotechnologies	Do more
Adapt existing legislation for nanomaterials	Keep as now
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	Yes, do

nano-content of consumer products)	
Develop new specifically targeted regulation for nanotechnologies - especially related to Nano-bio-cogno-applications (e.g. enhancement)	Yes, do
Other (optional - max 200 characters):	
Develop new specific tools to enhance technology transfer in the field of nanomaterials and nanotechnologies	
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)	Keep as now
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)	Do more
Support research into other industrial applications of nanotechnologies with a high potential for innovation, new employment and new markets	Keep as now
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	Keep as now
Promote industrial involvement in EU R&D projects	Do more
Foster the industrial exploitation of nano R&D results	Do more
Ensure ethical review of EU nano R&D projects	Keep as now
World-wide international cooperation	Do more
Other suggestions - comments (max. 1200 characters):	
Involve more in consultation and decssion processe the new entered countries	
Meta Informations	
Creation date	
19-02-2010	
Last update date	

User name
null
Case Number
337876712010905010
Invitation Ref.
Status
N