

ELECTRONIC SUPPORT MATERIAL 6

Online Consumer Survey

Journal of Nanoparticle Research

From Risk Perception to Risk Governance in Nanotechnology: A Multi-Stakeholder Study

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Survey on the perception of nanotechnology - public respondents

Introduction

Survey on the perception of nanotechnology with public respondents. The survey is part of the caLIBRAte project and funded under the Horizon2020 program of the European Commission.

All information will be anonymised and evaluated in summarized form, so that it is not possible to draw conclusions about the individual respondents.

Statistical data

For statistical reasons, we would like to ask for some general information.

1. Would you please call your age

|_|_| years

2. Gender

Female

male

3. Sind Sie

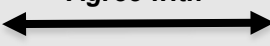
- Single
- verheiratet
- geschieden
- sonstiges

What is your highest general education qualification?

- ☐ elementary or secondary school
- ☐ High School
- ☐ University degree
- ☐ Other degree

What did you hear or read about nanotechnology or nanomaterials? Please name everything you know about it! (Open question)

Topic 1: Perception and acceptance

	Agree with 					
<i>My knowledge of nanotechnologies is high. [T1V1]</i>	☐	☐	☐	☐	☐	<i>My knowledge of nanotechnologies is low.</i>
<i>Public knowledge of nanotechnologies is high. [T1V2]</i>	☐	☐	☐	☐	☐	<i>Public knowledge of nanotechnologies is low.</i>
<i>Nanotechnology has a positive connotation for me. [T1V3]</i>	☐	☐	☐	☐	☐	<i>Nanotechnology has a negative connotation for me.</i>
<i>Nanotechnology has a positive connotation in the public opinion. [T1V4]</i>	☐	☐	☐	☐	☐	<i>Nanotechnology has a negative connotation in the public opinion.</i>
<i>Nanotechnology is an option for the future. [T1V5]</i>	☐	☐	☐	☐	☐	<i>Nanotechnology is no option for the future.</i>
<i>The pros and cons of nanotechnology need to be better balanced. [T1V10]</i>	☐	☐	☐	☐	☐	<i>The pros and cons of nanotechnology have sufficiently been balanced.</i>
<i>Nanotechnology is a symbol of progress. [T1V13]</i>	☐	☐	☐	☐	☐	<i>Nanotechnology is not a symbol of progress.</i>
<i>We are responsible for future generations. [T1V15]</i>	☐	☐	☐	☐	☐	<i>We are not responsible for future generations.</i>
<i>Technology is a solution for problems. [T1V17]</i>	☐	☐	☐	☐	☐	<i>Technology is not a solution for problems.</i>
	1	2	3	4	5	

Topic 2: Purchase decision and use

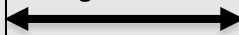
I would buy the following products if they include nanotechnology / material

	Yes, in any case No, under no circumstances ←→				
Textiles (Outdoor-/Sportswear, Socks, Underwear, Trousers, Sweater, ...) [T2V1]	☐	☐	☐	☐	☐
Cosmetics (Lipstick, Sunscreen, Cosmetic powder, Eyeliner, Tooth paste, ...) [T2V3]	☐	☐	☐	☐	☐
IT/Elektronik (Fernseher, Handy, Kamera, Kopfhörer, Computer, ...) [T2V5]	☐	☐	☐	☐	☐
Appliances (coffee maker, iron, refrigerator, ...)[T2V6]	☐	☐	☐	☐	☐
Baby accessories (water bottles, baby carriages, child seats, electronic devices, ...) [T2V7]	☐	☐	☐	☐	☐
Food packaging (plastic polymers, plastic containers, ...) [T2V8]	☐	☐	☐	☐	☐
Foods (Syrup, Ketchup, Drinks, Sweets, ...) [T2V9]	☐	☐	☐	☐	☐
Cleaning / Care Products (Shoe Impregnation, Floor Care, Household Maintenance, ...) [T2V10]	☐	☐	☐	☐	☐
Medical products (tablets, vitamins, bandages, spray, ...) [T2V13]	☐	☐	☐	☐	☐
Building materials (floor covering, glass panes, steel parts, ...) [T2V14]	☐	☐	☐	☐	☐
Agriculture (insect repellent, pesticides, ...) [T2V16]	☐	☐	☐	☐	☐
	[1]	[2]	[3]	[4]	[5]

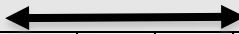
Topic 3: Risk

	<i>I agree</i>					
						
The advantages of nanotechnology predominate. [T4V3]	☐	☐	☐	☐	☐	The disadvantages of nanotechnology predominate.
The benefits of nanotechnology are higher than the risk. [T4V9]	☐	☐	☐	☐	☐	The risks of nanotechnology are higher than the risk. [T4V9]
An assessment of the risks is possible. [T4V5]	☐	☐	☐	☐	☐	An estimation of the risks is not possible.
Risks for the environment are low.	☐	☐	☐	☐	☐	Risks for the environment are high.
Risks for human health are low.	☐	☐	☐	☐	☐	Risks for human health are high
Ethical, legal, social risks of nano-related material are low.	☐	☐	☐	☐	☐	Ethical, legal, social concerns of nano-related material are high.
Long-term monitoring of the impact of nano-related materials on public health and the environment is meaningful.	☐	☐	☐	☐	☐	Long-term monitoring of the impact of nano-related materials on public health and the environment doesn't make sense.
Current regulation for nano-risk governance is adequate.	☐	☐	☐	☐	☐	Current regulation for nano-risk governance isn't adequate.
Risks of workers health/safety who manufacture nanomaterials is low.	☐	☐	☐	☐	☐	Risks of workers health/safety who manufacture nanomaterials is high.
Safety regulations for the use, handling and disposal of nano-related material at EU and international level are sufficient.	☐	☐	☐	☐	☐	Safety regulations for the use, handling and disposal of nano-related material at EU and international level aren't sufficient.
Product-specific disposal methods for nano-related materials are important.	☐	☐	☐	☐	☐	Product-specific disposal methods for nano-related materials aren't important.
Uncertainty about risks with nano-related materials isn't significantly for my purchase intention.	☐	☐	☐	☐	☐	Uncertainty about risks with nanomaterials is significantly for my purchase intention.
Labeling / Registration Procedure for nano-related materials and Nanoproducts is necessary.	☐	☐	☐	☐	☐	Labeling / Registration Procedure for nano-related materials and Nanoproducts isn't necessary.

Themenblock 4: Information Procurement

	<i>Agree with</i> 					
I have sufficient information about the risks of nanotechnologies. [T5V1]	☐	☐	☐	☐	☐	I have too little information about the risks of nanotechnologies.
Consumers should be involved in the development of nano-related products. [T5V1a]	☐	☐	☐	☐	☐	Consumers should not be involved in the development process.
Involving consumer organizations in the development of nano-related products. [T5V1b]	☐	☐	☐	☐	☐	Consumer organizations should not be involved.

As a consumer, I need the following information about nanotechnology

	<i>Yes, in any case</i> <i>No, under no circumstances</i> 				
Indication of the type of nanomaterials in a product (label) and list of all ingredients on the packaging (labeling.)	☐	☐	☐	☐	☐
Product register where I can see if the product contains nano-related materials.	☐	☐	☐	☐	☐
Advice to consumers on the safe handling / storage / disposal of nano-related materials.	☐	☐	☐	☐	☐
Transparent communication on risks and benefits (evaluation).	☐	☐	☐	☐	☐
Potential health risks from the occurrence of nano-related materials. [T5V6]	☐	☐	☐	☐	☐
Potential risks to environmental damage that may arise from the occurrence of nano-related materials.	☐	☐	☐	☐	☐
Links to trusted scientific websites.	☐	☐	☐	☐	☐