



SURVEY PREVIEW

ProSafe Delphi Forum - final round

Is risk management on pace with innovation for uses of nanomaterials? Follow up questions from the forum so far.

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INTRODUCTION

The purpose of the ProSafe Delphi Forum is to assess the views of the nanotechnology community of the state and pace of risk management within the field and its applications. The results so far and from this final poll will be shared with policy makers and could influence their thinking as to whether and where policy actions should be taken.

The concept of "**Safe(ty) by design**" used in the poll refers to a movement that encourages product designers to "design out" health and safety risks during development.

After 3 questions about you in Section 1, please answer 5 clarifying questions based on the first poll in Section 2, and then please give us a little more detail on methods in Section 3. All responses will be considered in light of your response on expertise in the first section and so please respond to all questions despite any reservations on your knowledge. Then look at the results of your responses along with all others who have responded and please share your thoughts in the online discussion forum after the graphics.

Your responses will remain anonymous to the monitor (the Institute of Occupational Medicine in the United Kingdom) and will not be released publicly even if you log in with an email address. Furthermore any released data will be summarized to ensure that no companies, organizations or individuals can be identified. All data we collect will be treated confidentially in accordance with the UK Data Protection Act (1998).

SECTION 1: SECTION 1: INFORMATION ABOUT YOURSELF

ID #2119

1)* What region are you from?

If your region is not listed, please select other and specify in the text field.

- North America
- Europe
- Asia
- Other

Please explain your answer(s)

ID #2120

2)* What sector do you work in?

If your sector is not listed, please select other and specify in the text field.

- Research: Industry
- Research: Government
- Research: Academic
- Industry
- Government
- NGO
- Other

Please explain your answer(s)

ID #2121

3)* How many years' experience do you have working in the field of nanotechnology?

- None
- 1-4
- 5-10
- >10

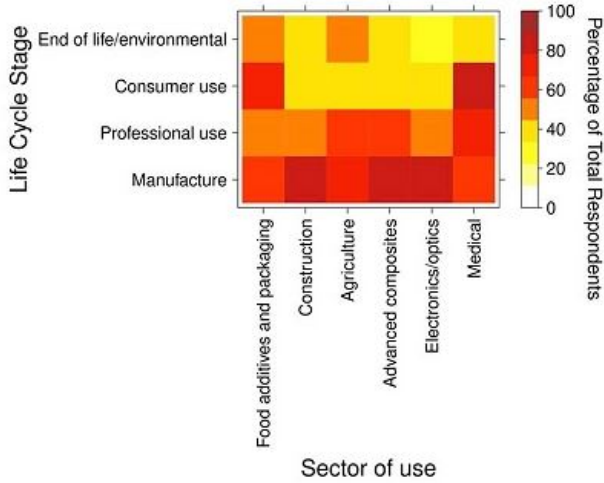
SECTION 2: SECTION 2: CLARIFICATION OF RESPONSES IN THE FIRST ROUND

ID #2127

1) Do you agree that Safe By Design practices are already in place for medical, food additive, or food packaging uses of nanomaterials?

The heat map below from the first poll indicates that many experts believe that "Safe by Design" is already practiced for consumer use of food additives, food packaging and medical products. This may speak to the general belief that premarket safety testing occurs for those uses. However, given concerns expressed by some for some potential uses in food, we feel that a confirmation and follow up regarding implementation is needed.

Where is Safe By Design already in practice?
All responses



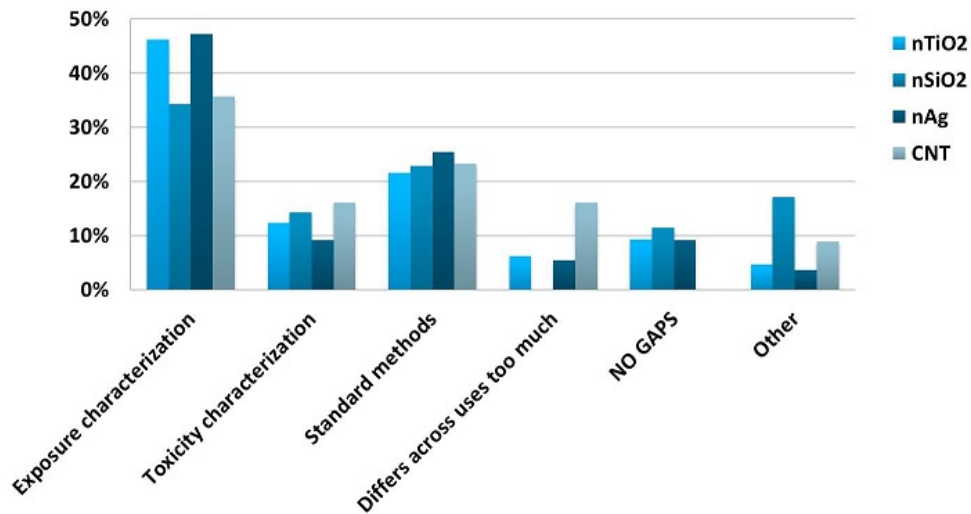
| Is Safe by Design in place for consumer use of nanomaterials in: | Agree it is in place | Agree but needs more attention | Disagree - it is not in place | No opinion |
|--|-----------------------|--------------------------------|-------------------------------|-----------------------|
| Food additives | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Food packaging | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Medical applications | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Please explain your answer(s)

2) Do you agree that we have a greater need to develop exposure methods than toxicology methods for nanomaterials?

In the first poll both toxicologists and exposure experts indicated a greater need for exposure methods than toxicology methods. This appeared to hold across use types and nanomaterial types.

Where are the biggest gaps in methods to support risk management?



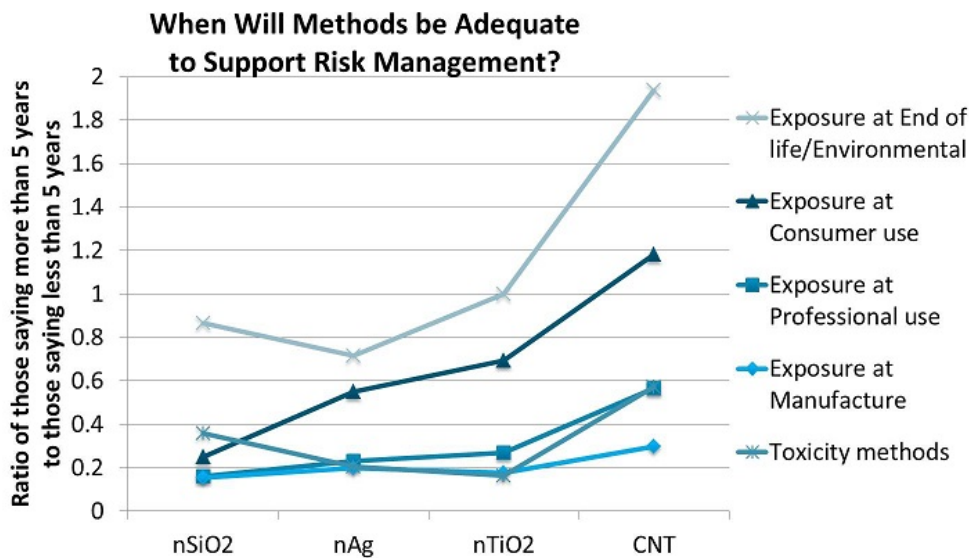
- Agree
- Disagree
- No opinion

Please explain your answer(s)

ID #2129

3) Do you agree that occupational exposures to nanomaterials during manufacturing can be controlled with existing risk management methods?

In the first poll nearly all experts indicated that methods are available to control occupational exposures to nanomaterials during manufacturing. This seems to say that the manufacturing environment should not be an area of high priority for policy makers looking ahead to improve risk management. However, discussion raised the question of whether the methods are effectively and consistently used.



- Agree
- Agree but needs attention to implement consistently
- Disagree
- No opinion

Please explain your answer(s)

ID #2130

4) Do you agree that occupational exposures to nanomaterials during professional use can be controlled with existing risk management methods?

Discussion of risk management for professional uses of nanomaterials such as construction or recycling operations raised similar questions about methods availability versus methods use. Please help clarify.

- Agree
- Agree but needs attention to implement consistently
- Disagree
- No opinion

Please explain your answer(s)

ID #2131

5) Do you agree that policies to facilitate safe by design for nanomaterials should now focus more heavily on consumer and environmental exposures?

The first poll and panel discussion indicated that methods may not be available to support exposure assessment for some consumer or environmental exposures and that these kinds of exposures should be an area of "safe by design" policy attention.

- Agree
- Disagree
- No opinion

Please explain your answer(s)