

***GOVERNING NANOTECHNOLOGIES
THROUGH SOCIETAL ENGAGEMENT***

SUPERMORRI ANNUAL EVENT

ANNE M. DIJKSTRA – LEIDEN 29 JANUARY 2020

DEVELOPING NANOTECHNOLOGIES

- To build sustainable relationships between stakeholders
- Policy, Research, Industry, Civil Society, Citizens
- Bringing people together via co-creation by means of multiple engagement activities – levels of participation?
- Three pilot countries: Czech Republic (food), the Netherlands (health) and Spain (energy)



Policy



Research



Industry



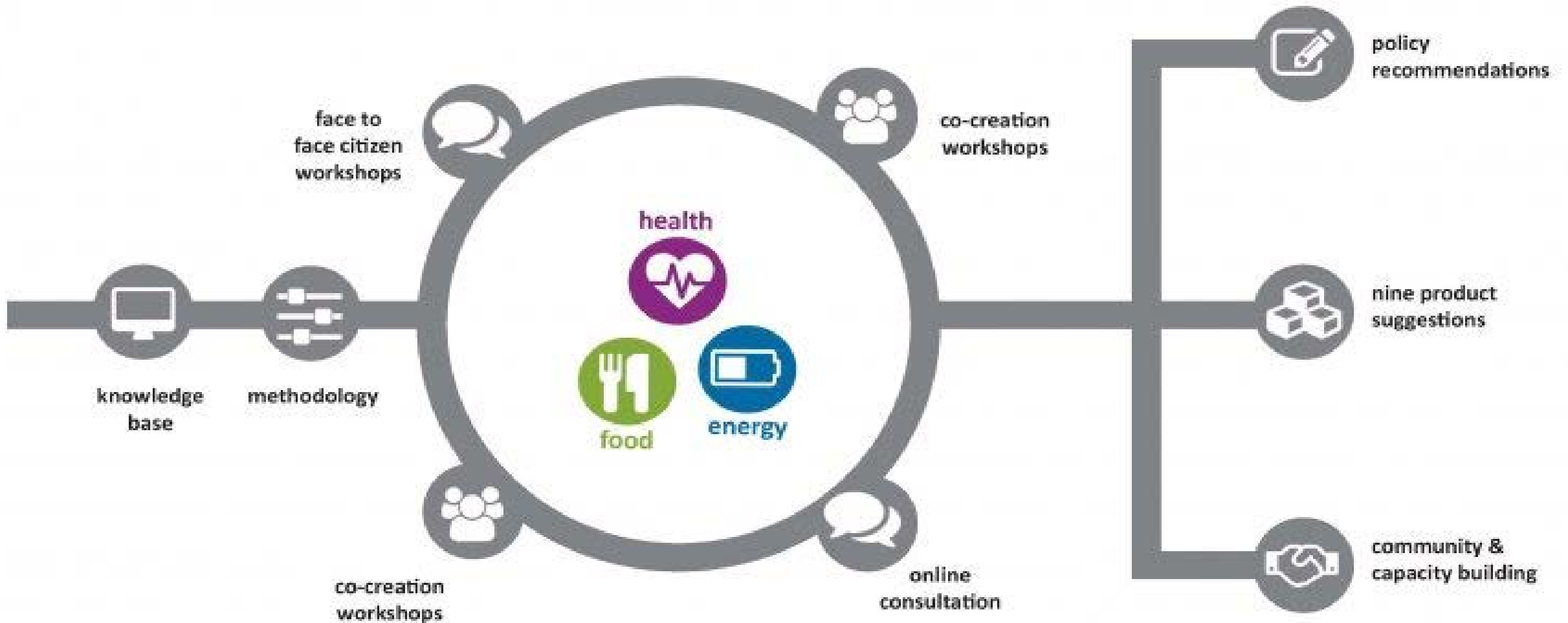
Civil Society



Citizens

GoNano project

Governing nanotechnologies through societal engagement



CITIZEN CONSULTATION

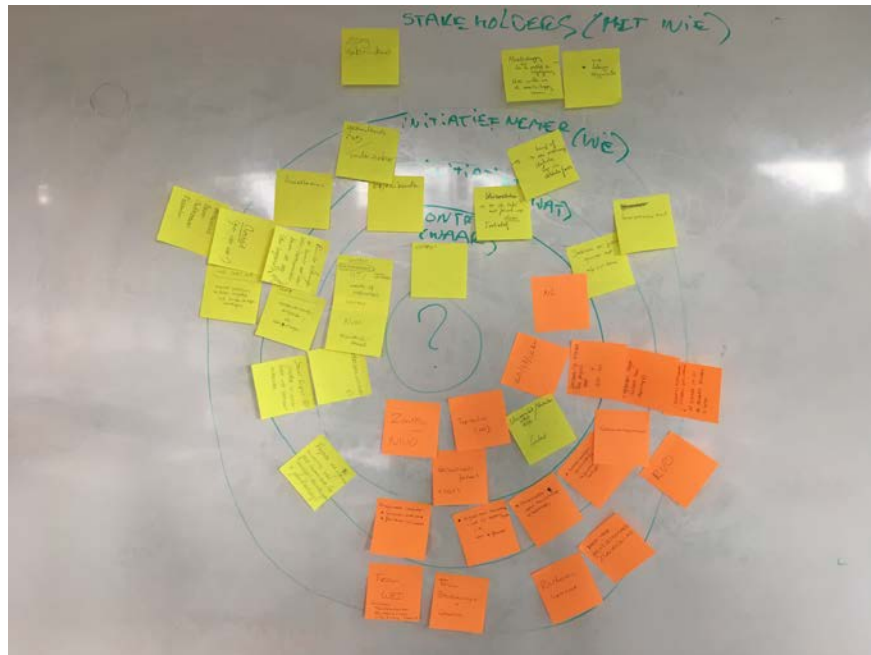
- Bringing in values and needs, new ideas; and being able to



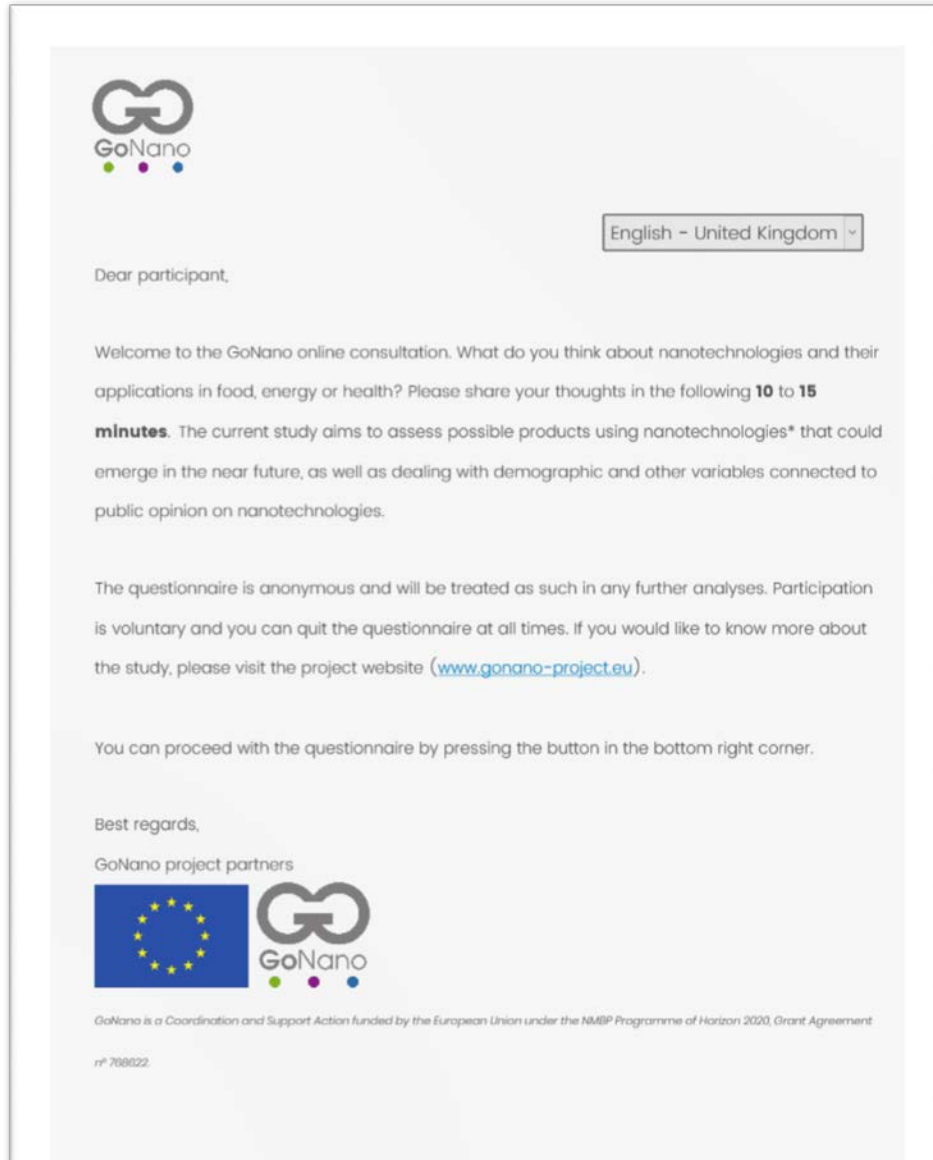


FIRST ROUND OF STAKEHOLDER WORKSHOPS


- Discussing outcomes of the citizen consultation
- Suggestions for further development
- Raising awareness, stimulating collaboration
- Views on co-creation



ONLINE QUESTIONNAIRE



The screenshot shows the top portion of an online questionnaire. At the top left is the GoNano logo, which consists of a stylized 'G' made of two interlocking loops with three colored dots (green, purple, blue) below it. To the right of the logo is a dropdown menu showing 'English - United Kingdom'. Below this is the text 'Dear participant,' followed by a paragraph of introductory text. The text explains the purpose of the study: to assess possible products using nanotechnologies in food, energy, or health. It mentions that the study aims to assess possible products using nanotechnologies* that could emerge in the near future, as well as dealing with demographic and other variables connected to public opinion on nanotechnologies. It also states that the questionnaire is anonymous and participation is voluntary. At the bottom of the visible section, there is a note about proceeding with the questionnaire by pressing a button in the bottom right corner, and a closing salutation 'Best regards,' followed by 'GoNano project partners' and logos for the European Union and GoNano.

 English - United Kingdom ▾

Dear participant,



Welcome to the GoNano online consultation. What do you think about nanotechnologies and their applications in food, energy or health? Please share your thoughts in the following **10 to 15 minutes**. The current study aims to assess possible products using nanotechnologies* that could emerge in the near future, as well as dealing with demographic and other variables connected to public opinion on nanotechnologies.

The questionnaire is anonymous and will be treated as such in any further analyses. Participation is voluntary and you can quit the questionnaire at all times. If you would like to know more about the study, please visit the project website (www.gonano-project.eu).

You can proceed with the questionnaire by pressing the button in the bottom right corner.

Best regards,

GoNano project partners

GoNano is a Coordination and Support Action funded by the European Union under the NMBP Programme of Horizon 2020, Grant Agreement nr 708022.

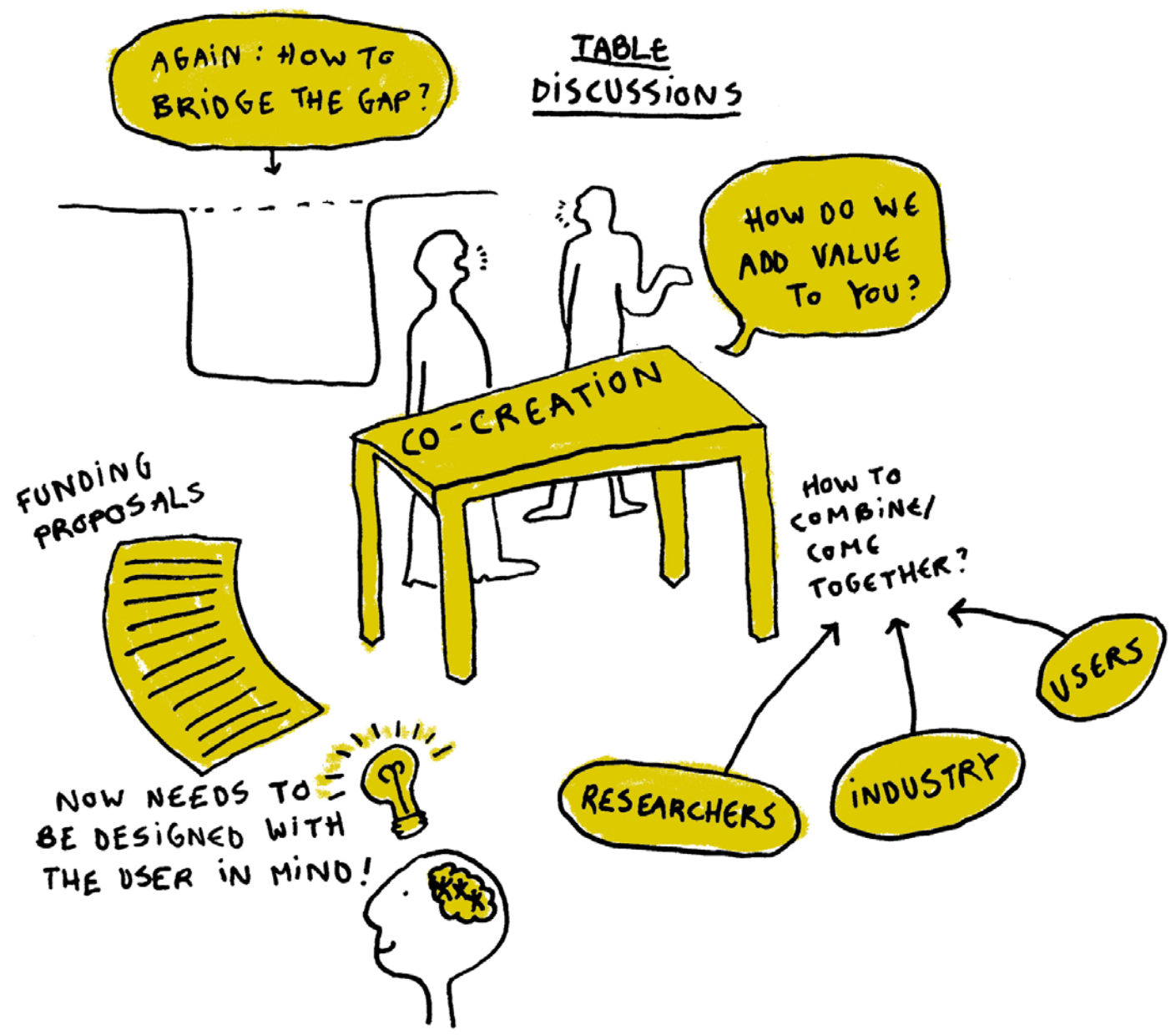
- Assessing nanotechnologies – for the three areas of applications (health, energy and food)
- E.g., ranking values; assessing product suggestions; views on co-creation
- Samples from 5 countries (Czech Republic, Netherlands, Spain + Denmark, Ireland)
- Outcomes: Emphasis on well-being and safety.

SECOND ROUND OF STAKEHOLDER WORKSHOPS



Building relationships

Illustrator Tonke Koppelaar



Tomke

LESSONS LEARNED FROM GONANO

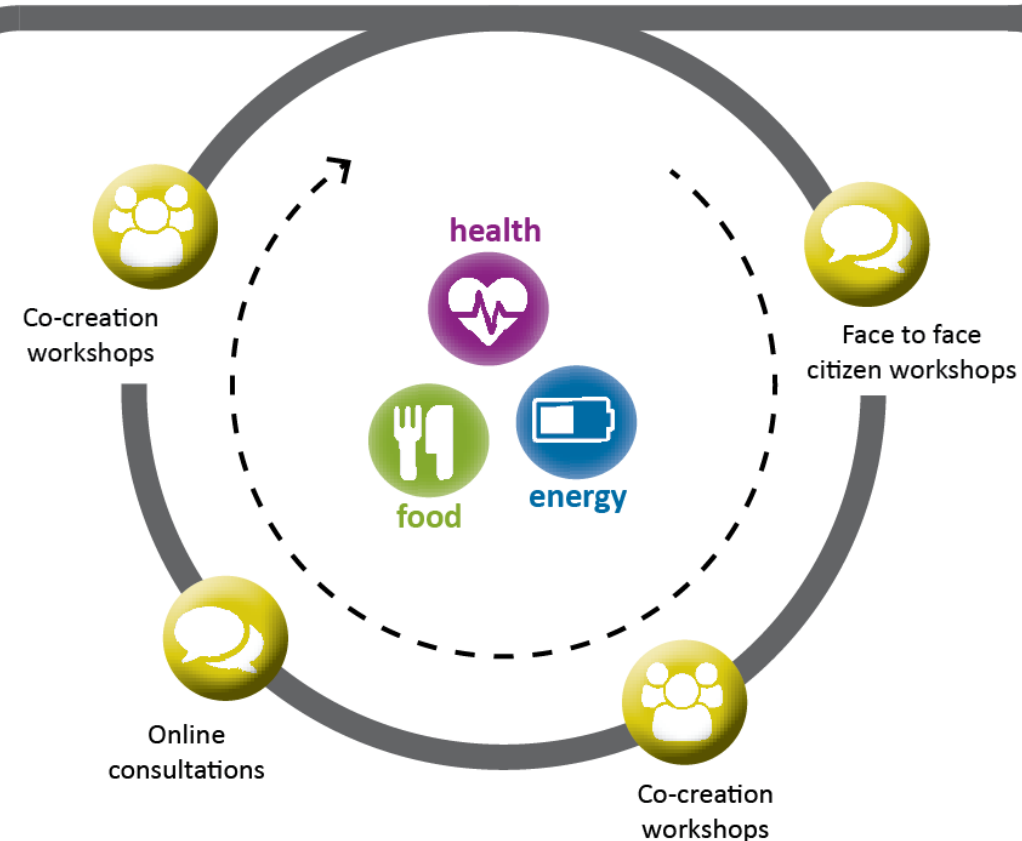
- Citizens are able to add value (e.g. to developing new nanotechnology applications)
- Stakeholders benefit also from active participation
- Co-creation has many possible engagement forms. This also applies for participatory research in a broader sense
- Need to continue efforts to enhance a sustainable relationship
- Building a science-society community comes with benefits and challenges
- E.g., What happens with the community after the (professional) facilitator / moderator has left?



EVALUATIONS

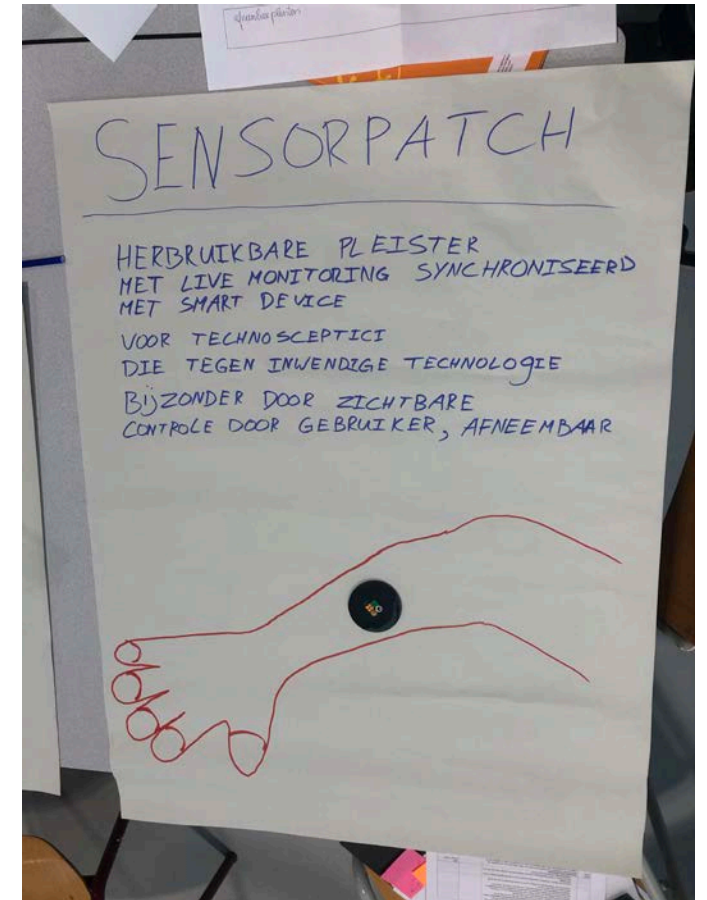
To evaluate how co-creation contributes to public and mutual understanding of nanotechnology and how they contribute to building trust between citizens, public and private institutions.

- Post-measurements: questionnaires and follow-up interviews



WAYS FORWARD FOR REFLECTION?

- Participatory research, e.g. co-creation is a flexible way of engaging citizens and other stakeholders
- Tangible results can be challenging
- Engaging audiences can be achieved in many ways
- A sustainable science-society relationship is a long-term process which needs **maintenance** (with many encounters, efforts and activities)
- A responsible science-society relationship includes **studying** the effects of participatory research





THANK YOU!

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- Sikke Jansma



www.gonano-project.eu



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Save the date

Final Conference GoNano

24 & 25 June 2020 in Brussels

Other EU projects

NUCLEUS (2015-2019)

Grant Agreement n° 664932

RRISCALE (started 1 January 2020)

Grant Agreement n° 872526