

# Citizens' imaginations drive innovation strategies for nanomedicine and nanosensors

Lucia Martinelli<sup>1</sup>, Ineke Malsch<sup>2</sup>, Dora Fazekas<sup>3</sup>

1: MUSE – Science museum, Trento, Italy (Corso del lavoro e della scienza 3, 38122 Trento Italy) [lucia.martinelli@muse.it](mailto:lucia.martinelli@muse.it)

2: Malsch TechnoValuation, Utrecht, the Netherlands, [malschtechnovaluation@xs4all.nl](mailto:malschtechnovaluation@xs4all.nl)

3: SPI, Porto, Portugal, [dorafazekas@spi.pt](mailto:dorafazekas@spi.pt)

## Introduction

NANO2ALL ([www.nano2all.eu](http://www.nano2all.eu)) experimented tools to contribute to Responsible Research and Innovation (RRI) policy and governance on nanotechnologies, based on a transparent co-production of knowledge, inspired by lay society needs and stakeholders' engagement.



## Implementation

The activity was based on dialogue and ad hoc multi-stakeholder participatory games. In a 3-step process, distinct national sessions involved respectively citizens and stakeholders in France, Israel, Italy, Poland, Spain and Sweden. A European session was also organized in Belgium and involved both citizens and stakeholders. The two dialogue rounds held in Italy are presented below as an illustration.

## Conclusion and follow-up

The dialogues resulted in recommendations which will be developed further into a roadmap targeting the European and national stakeholders translating the RRI vision into practice, in particular concerning Nanotechnology.

## Italy imagines nanotextiles

In the first session round in Italy, Citizens built fantasy models of desirable future objects in smart textile nanotechnology. These were the fruitful basis for discussion amongst participants on values, fears and expectations.



In the second session round, selected stakeholders discussed about ways how to better identify and integrate societal perspectives in nanotechnology RRI via an increased societal engagement.

