



NUCLEUS



BRINGING RRI TO LIFE

in Universities and Research Institutions

NUCLEUS is a European Horizon 2020 project empowering universities in better responding to societal challenges with Responsible Research and Innovation (RRI). Over four years, 24 partners from 15 countries will design, implement, and support action plans to embed RRI into the culture and organisational structure of universities and research institutions.

RESPONSIBLE RESEARCH AND INNOVATION

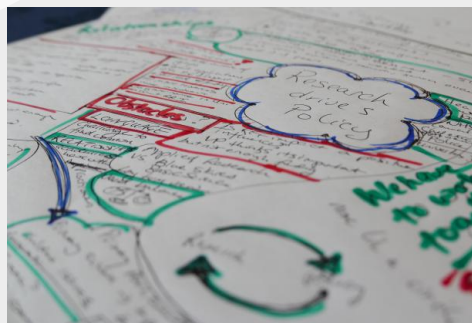
Responsible Research and Innovation (RRI) is a process in which stakeholders – such as researchers, citizens and policymakers – work together throughout the research and innovation process to align research and innovation outcomes with the values, needs and expectations of society.

LAYING THE GROUNDWORK FOR RRI

NUCLEUS embraces both practice and evidence to understand the interactions between research and its stakeholders.



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Through field trips, partners have investigated the barriers to RRI and opportunities specific to six different stakeholder groups: universities, the media, the economy, public policy, public engagement and civil society.

In parallel, almost 100 interviews with researchers and leaders of universities and research institutes have been conducted to uncover trends in attitudes towards RRI in academic environments.

In the project's second year, working groups are integrating these findings into an RRI Implementation Roadmap which will help partnered universities navigate towards RRI.

THE IMPLEMENTATION PHASE

NUCLEUS will evaluate how its RRI recommendations perform in practice over two years by working with partners to implement them internationally.

Ten universities and research institutes will host Embedded Nuclei. These dedicated units will work to establish the RRI Implementation Roadmap in the culture and structures of their institutions, with support from project mentors.

Twenty partners, representing universities, science festivals and museums, will act as Mobile Nuclei. These partners will integrate modular activities into existing events to support the uptake of RRI by a wider audience.

THE DNA OF RRI & A LIVING NETWORK

The final goal for the project is a set of practical recommendations for leaders of research institutions on how to implement RRI, developed with an understanding of academic culture and tested in academic environments.

These RRI recommendations will be sustained and developed by a NUCLEUS Living Network of partners, committed to supporting each other and continuing the learning process beyond the project's lifetime.



PROJECT SUMMARY

- A four-year project that is developing a New Understanding of Communication, Learning and Engagement in Universities and Scientific institutions (NUCLEUS)
- €4 million of funding from the European Union's Horizon 2020 programme
- An international network of 24 partners, from 15 countries and 3 continents
- Partner organisations include universities and research institutions, national science and technology associations, public policy organisations, national public engagement networks, and NGOs
- Coordinated by Rhine-Waal University in Cleves, Germany

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CONSORTIUM PARTNERS Beijing Association for Science and Technology · Bielefeld University · China Research Institute for Science Popularization · City of Bochum · Delft University of Technology · Dublin City University · European Science Events Association · European Union of Science Journalists' Associations · Ilia State University · Mathematical Institute of the Serbian Academy of Sciences and Arts · Nottingham City Council · Nottingham Trent University · Psiquadro · Rhine-Waal University of Applied Sciences (Coordinator) · Ruhr University Bochum · Science City Hannover · Science View · South African Agency for Science and Technology Advancement · University of Aberdeen · University of Edinburgh · University of Lyon · University of Malta · University of Twente · Wissenschaft im Dialog

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