

JERRI



JOINING EFFORTS FOR RESPONSIBLE RESEARCH AND INNOVATION

USER BRIEFING FOR INDUSTRY

PIONEERING ACTOR COALITIONS ARE EMERGING TO DELIVER SOLUTIONS TO SOCIETAL PROBLEMS USING RESPONSIBLE INNOVATION APPROACHES

Together **INDUSTRY** and applied research organisations like TNO and Fraunhofer can substantially contribute to and benefit from:

- Generating new ideas by engaging a greater diversity of perspectives
- Finding better solutions by systematically reflecting on impacts
- Creating new opportunities by harnessing open business models
- Strengthening internal governance by integrating ethical reflection
- Building reputation as responsible organisation by engaging with all societal actors

All in all, by being part of these coalitions we will secure sustainable long-term success and renew our collective social license to operate from society.

In JERRI, we have developed a set of tools and approaches supporting such coalitions to come together and co-create responsible research and innovation projects:

- A canvas tool for assessing societal impacts
- Guidelines for identifying ethical issues and gender aspects
- A workshop format for supporting value based decision making

- A Citizen-Cafe format supporting citizens to put societal needs forth to science
- An online game for thinking through ethical dilemmas
- A repository for the publication of research data
- A toolbox with good practice examples for advancing gender equality in research organisations
- Six business models for creating value through open science approaches,
- Fact sheets supporting researchers and their industry partners in integrating Open Access and Open Data into contract negotiations.

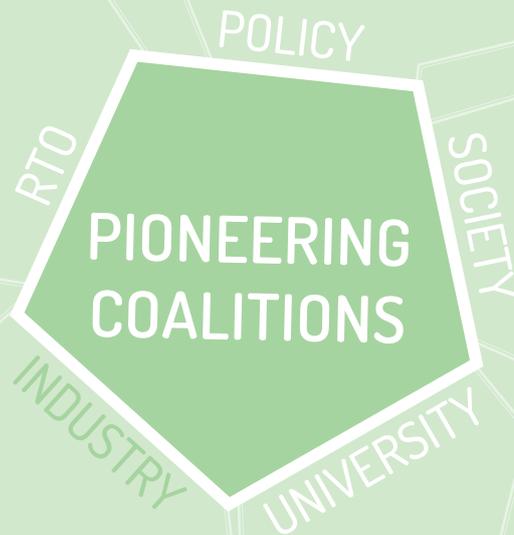
In addition, we have learned from the process success factors for institutionalizing RRI practices and mindsets that may well apply also to companies and industry organisations:

- Don't just add the new practices but proactively engage with established goals and narratives in the organization and position the new practices therein
- Frame the institutionalization of RRI as a process of organizational change
- Develop and use SMART¹ goals, to organize funding and support

- Establish support within the organization, both formal and informal
- Actively involve change agents, from both the inside and the outside
- Organize a flexible process, to seize opportunities and deal with contingencies
- Exchange lessons learnt within the project team and with others
- Adapt the process to your organizational context for each RRI aspect
- Create trusted spaces to allow deep diffusion of RRI mindsets and practices into the organizational culture
- Find the right balance between ambition and realism

Contact us to share experiences and discuss joint actions!

¹Specific, Measurable, Attainable, Realistic, Timely



BACKGROUND

Europe's two largest applied research organisations TNO in the Netherlands and Fraunhofer in Germany embarked on a joint learning process in JERRI to **create impacts together with society that are socially desirable, sustainable and ethically acceptable**. In short: responsible research and innovation (RRI). Our motivation is to renew our societal license to operate by aligning our research and innovation activities more closely with society's needs and values. To this end, both organisations working together over a period of 3 years:

- set goals for organisational change towards RRI within and across the key aspects ethics, gender, societal engagement, open science and science education
- identified barriers to and enablers for such a change

- implemented a number of pilot activities to advance towards these goals
- generated long-term transformation pathways to reach these goals
- documented and compared the lessons learnt

During this process, we realised that, in order to take RRI to the next level, pioneering R&I actors need to form coalitions to jointly advance systemic change. Due to their mediating role in innovation systems, Research and Technology Organisations (RTOs) can act as powerful facilitators in such coalitions, but real progress can only be made through aligned action.

Learn more at:

WWW.JERRI-PROJECT.EU

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