

PILOT ACTION 1: The Impact or RRI Template

<i>I. Your project</i>	
Is your project primarily:	<input type="checkbox"/> <input type="checkbox"/> Curiosity-driven <input type="checkbox"/> <input type="checkbox"/> Challenge-driven
Which community is the main recipient / user of your project results?	<input type="checkbox"/> Research Community <input type="checkbox"/> Non-Academics <ul style="list-style-type: none"> <input type="checkbox"/> From Industry <input type="checkbox"/> From Government <input type="checkbox"/> From Society <input type="checkbox"/> Others (please specify):

<i>II. The role of RRI</i>	
Are the following aspects systematically taken into account in your project? (Answer categories: Yes / No / don't know)	
Gender Equality	(if so, please specify): <input type="checkbox"/> I encourage gender-balanced teams in my work environment <input type="checkbox"/> I actively support female colleagues in their career development <input type="checkbox"/> I consider gender aspects in my research design <input type="checkbox"/> Other (please specify): _____
Ethics	<input type="checkbox"/> I submit my projects to ethical reviews <input type="checkbox"/> I conduct ethical reviews of projects <input type="checkbox"/> I consider ethical issues when designing my research <input type="checkbox"/> I contribute to training on ethical issues <input type="checkbox"/> Other (please specify): _____
Open Access	<input type="checkbox"/> I use open access publications <input type="checkbox"/> I publish open access <input type="checkbox"/> I use publicly available data <input type="checkbox"/> I provide publicly available data <input type="checkbox"/> I implement research data management plans <input type="checkbox"/> Other (please specify): _____
Science Education	<input type="checkbox"/> I work with school pupils (e.g. open days, joint projects) <input type="checkbox"/> I develop science education material (e.g. kits, websites, explanatory booklets, DVDs) <input type="checkbox"/> I work in partnership with schools and/or teachers <input type="checkbox"/> Other (please specify): _____
Public Engagement / Citizen Science	<input type="checkbox"/> I inform non-academics about my results through e.g. public lectures, writing popular science books, publishing articles in newspapers / magazines, blogs <input type="checkbox"/> I involve citizens in the following phase(s) of my research by: <ul style="list-style-type: none"> <input type="checkbox"/> definition of content and aims <input type="checkbox"/> conducting the research (data collection, data analysis) <input type="checkbox"/> discussing the consequences of research and / or its application

	<input type="checkbox"/> Communicating and disseminating the results of the project <input type="checkbox"/> Commercialisation / Exploitation of results <input type="checkbox"/> I actively consider how my research and innovation results will be perceived and used <input type="checkbox"/> I work with people who specialise in dialogue with citizens and civil society (e.g. professional mediator, communication company, science museums)
Does your research and innovation process foresee a systematic inclusion of stakeholder groups outside academia?	<input type="checkbox"/> Yes, an active involvement of previously marginalised or disenfranchised actors is foreseen <input type="checkbox"/> If so, which groups are involved? (please specify) _____ <input type="checkbox"/> Yes, the introduction of previously excluded perspectives and knowledge sources into R&I is foreseen: <input type="checkbox"/> If so, what are the concrete instruments to do so? (please specify) _____

In the following, we would like to ask you to assess the possible effects when practising RRI. We differentiate between scientific, economic and societal / democratic impacts on the one hand and short-, medium- and long-term impacts on the other hand. The latter are defined as follows:

- Short-term outputs = Tangible results stemming from a project activity during the project, from 6 months onwards):
- Midterm outcomes = During and directly after the project
- Long-term impacts = Broader effects beyond the beneficiaries (intended and unintended, positive and negative)

III. Scientific impacts / benefits of RRI					
Do / Did you expect or observe any of the impacts benefits listed below when practicing RRI?					
		I expect a respective impact / benefit	I do not expect such kind of an impact / benefit	I have already observed such an impact / benefit	I don't know / not applicable
Short -term outputs	Increasing the evidential value of data by making data FAIR (Findable, Accessible, Interoperable, Reusable)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Broaden problem framing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Increased collaboration with other sectors (industry, public sector, civil society...)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Increased international collaboration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Midterm outcomes	Enhancement of Knowledge through access to knowledge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Increased reproducibility (relates back to enhancing knowledge),	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	increased cooperation and interdisciplinarity through openness	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	increased transdisciplinarity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Long-term impacts	Diversifying the pool of researchers (this will impact the diversity of knowledge)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Weakening pseudoscience	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Change of scientific culture, change in institutional framework of science, change of infrastructure and practices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Increase the possibility of the scientific community to influence society's opinion and decision-making processes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Decrease in scientific misconduct	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

IV . Economic impacts / benefits of RRI					
Do / Did you expect or observe any of the impacts benefits listed below when practicing RRI?					
		I expect a respective impact / benefit	I do not expect such kind of an impact / benefit	I have already observed such an impact / benefit	I don't know / not applicable
Short -term	Increased chances of leveraging multiple perspectives from onset of project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Relationship building between previously siloed sectors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Exposure to new challenges with support from relevant societal actors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Finding, testing and contrasting alternative ways of data collection that are more cost-efficient	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	New promotional, reward, scholarship and grant giving processes that incorporate RRI principles into the evaluation and assessment process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Proactive outreach and engagement activities with previously siloed actors in society	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Midterm outcomes	Synergies and superior performance through exploitation of best talent/human capital available	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Enhanced process transparency and cross-sectoral sensitization through well-established networks, intense knowledge exchange and shared agendas	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Alignment of normative standpoint on impact goals and mitigation of negative impacts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Development and increased usage of more intelligent methods and instruments of data collection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Market rewards will favor institutions with leadership that promotes ethical and responsible relationship between science, society, and economy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	New business models and markets that reflect / align societal needs with economic possibilities/modalities.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Long-term impacts	Inclusiveness leads to superior solutions, products and services, which challenge the status quo and set new market standards. Science and economy form a mutually reinforcing network	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Shift towards an understanding of economy as an open and responsive system that acts as a catalyst for science and for societal wellbeing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Alignment of economic incentives towards resolving tensions between actors rather than vice versa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Traditional data collection methods are surpassed by more sustainable and cost-efficient methods	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Understanding of science and economy as mutually responsive, anticipative and intertwined systems for learning and development built around the principles of RRI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Economy as an instrument to tackle grand societal challenges and development of sustainable mindset towards labor/resources	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

V. Societal and democratic impacts / benefits of RRI

Do / Did you expect or observe any of the impacts benefits listed below when practicing RRI?

		I expect a respective impact / benefit	I do not expect such kind of an impact / benefit	I have already observed such an impact / benefit	I don't know / not applicable
Short -term	Increased researchers' awareness of potential negative effects on citizens (precautionary principle)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Broaden problem framing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Increase science capital by increasing skills and knowledge among citizens and communities (regardless of your legal status)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Evidence on the positive effects of science education	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Increased awareness of unconscious / personal biases	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Outreach to disadvantaged groups	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Midterm outcomes	Increased researchers' awareness of potential negative effects on citizens (precautionary principle)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Broaden problem framing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Increase science capital by increasing skills and knowledge among citizens and communities (regardless of your legal status)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Evidence on the positive effects of science education	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Increased awareness of unconscious / personal biases	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Long-term impacts	Enhancement of Knowledge through access to knowledge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Behavioural change among citizens	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Improved scientific citizenship and trust in science	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Improved education system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	More inclusive societies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	More equitable societies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>