

RRI section of the Annual Review Report

The Responsible Research and Innovation (RRI) section of the annual review report provides an opportunity for students to reflect and act on the RRI implications of their work. The section is composed during the first PhD year in time for the first annual review and updated every year henceforth. It should reflect how the student's awareness of RRI issues and their ability to address them evolves over time during the course of their entire PhD project.

The RRI section consists in a 500 words reflexive and analytical description of how the core dimensions of RRI relate to the student's own project. The section should be incorporated into the PhD annual review report and assessed as part of the annual review process. In order to support the students in composing this section, an informal, peer-assessed, writing workshop has been devised in which the students work through the RRI issues highlighted in Stilgoe's RRI AREA framework (and other related frameworks) and discuss them in relation to their individual project. The RRI framework is described and illustrated below.

The AREA framework involves four actions:

- **Anticipate** – describing and analysing the impacts that might arise from the research
- **Reflect** – reflecting on the purposes of, motivations for and potential implications of the research.
- **Engage** – opening up such visions, impacts and questioning to broader deliberation, dialogue, engagement.
- **Act** – using these processes to influence the direction and trajectory of the research and innovation process itself.

In the table attached, these four categories have been interwoven with the so-called 4Ps, process, product, purpose and people. This assists the students in further breaking down the issues and formulating questions which they can apply to the effects of AI, in general, and specifically to their own research.

- **Process:** covers all activities in preparing research, undertaking data collection and analysis, storage and presentation of data and interaction with respondents.
- **Product:** can refer to products or services. It includes the consequences of use as well as misuse of research products and the impact that research has on the natural and social environment.
- **Purpose:** covers the question why research is undertaken at all.
- **People:** are at the heart of RRI and need to be explicitly considered.

	Process (speed or innovation & diffusion)	Product (Ubiquity & Pervasiveness)	Purpose (Logic malleability)	People (Problem of many hands)
Anticipate (Opportunity)	Is the planned research methodology acceptable?	Will the products be socially desirable? How sustainable are the outcomes?	Why should this research be undertaken?	Have we included the right stakeholders?
Reflect (Considerations)	Which mechanisms are used to reflect on process? How could you do it differently?	How do you know what the consequences might be? What might be the potential use? What don't we know about? How can we ensure societal desirability? How could you do it differently?	Is the research controversial? How could you do it differently?	Who is affected? How could you do it differently?
Engage (Alternatives)	How to engage a wide group of stakeholders?	What are viewpoints of a wide group of stakeholders?	Is the research agenda acceptable?	Who prioritises research? For whom is the research done?
Act (Capabilities)	How can your research structure become flexible? What training is required? What infrastructure is required?	What needs to be done to ensure social desirability? What training is required? What infrastructure is required?	How do we ensure that the implied future is desirable? What training is required? What infrastructure is required?	Who matters? What training is required? What infrastructure is required?