Basics on Responsible Research and Innovation (RRI)

Training course for all NCP’s
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BUSINESS FINLAND
NCP Academy aims to...

- Create and implement a new and integrated training of Horizon 2020 advisors – the NCP Academy
- Bring together NCP Coordinators and NCPs for Legal and Financial aspects of Horizon 2020 to develop the NCP Academy concept and to develop and implement training courses on cross-cutting issues
- Address quality standards and good practice as well as routes to feedback and communication for this community
- Significantly enhance the performance of NCPs and does so by harnessing the knowledge base already existing within this community
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Responsible Research and Innovation (RRI) implies that societal actors (researchers, citizens, policy makers, business, third sector organisations, etc.) work together during the whole research and innovation process in order to better align both the process and its outcomes with the values, needs and expectations of society.

RRI in Horizon 2020

Implementing RRI in Horizon 2020 => SwafS

Science with and for Society

Work Programme 2018-2020

In addition, it’s a cross-cutting/horizontal theme in Horizon 2020.
Examples of calls for SwafS

- [Open schooling and collaboration on science education](#) SwafS-01-2018-2019
- [Grounding RRI practices in research and innovation funding and performing organisations](#) SwafS-05-2018-2019
- [EURAXESS TOP V](#) SwafS-07-2019
- [Research innovation needs & skills training in PhD programmes](#) SwafS-08-2019
- [Supporting research organisations to implement gender equality plans](#) SwafS-09-2018-2019
- [Scenarios for an award/certification system for gender equality in research organisations and universities in Europe](#) SwafS-11-2019
- [The gender perspective of science, technology and innovation (STI) in dialogue with third countries](#) SwafS-12-2019
- [Supporting the development of territorial Responsible Research and Innovation](#) SwafS-14-2018-2019
- [Ethics of Innovation: the challenge of new interaction modes](#) SwafS-16-2019
RRI in Horizon 2020

- public engagement
- open access
- gender
- ethics
- science education
Public scrutiny is intense

⇒ for policy makers relying on evidence and information

For (the benefit of) Society
Public engagement

Public engagement (PE) in Responsible Research and Innovation (RRI) is about co-creating the future with citizens and civil society organisations, and also bringing on board the widest possible diversity of actors that would not normally interact with each other, on matters of science and technology.
What means Citizen Science?

A) One of the open science priorities by the Council

B) Science where human beings are under the control of the country leaders

C) Research process where common people are helping scientists
Exercise – Round the Table

• Give an example of citizen science
Open Access & Open Science

Better science making science:
- More credible
- Reliable
- Efficient
- More responsive to societal challenges

Source: Foster: Introduction, What is Open Science?

Gender Equality

Sex = biology

Gender refers to societal construction of women and men, of femininity and masculinity, which varies in time and place, and between cultures.

Objectives in H2020:
1. Gender balance in research teams
2. Gender balance in decision-making
3. Gender dimension in research and innovation
Exercise – Round the Table

• Give an example of gender equality
Gold medallist in Olympic Skeet Shooting 1992 – Zhang Shan

What happened to the next Olympics? Men and Women were separated in shooting.
Ethics

Ethics is given the highest priority in EU funded research: all the activities carried out under Horizon 2020 must comply with ethical principles and relevant national, EU and international legislation, for example the Charter of Fundamental Rights of the European Union and the European Convention on Human Rights.
Ethics is fundamental part of the research from the beginning to the end.

Ethics means research in accordance with national and international law (incl. human rights).

Ethics is a guarantee for better excellence science.
Ethics self-assessment

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Science education

Building capacities and developing innovative ways of connecting science to society.

Make science more attractive to young people, increase society's appetite for innovation, and open up further research and innovation activities.
In practice, RRI is implemented as a package that includes multi-actor and public engagement in research and innovation, enabling easier access to scientific results, the take up of gender and ethics in the research and innovation content and process, and formal and informal science education.