

partners

Netherlands	University of Groningen (coordination)
Finland	University of Helsinki University of Jyväskylä
Germany	IPN Deutsches Museum
Greece	University of Crete Eugenides Foundation
Israel	Weizmann Institute of Science
Italy	University of Bologna University of Palermo
Poland	Jagiellonian University
Portugal	Universidade de Lisboa
Romania	Valahia University Targoviste
Turkey	Bogazici University



Engaging the Young with
Responsible Research
and Innovation



IRRESISTIBLE is a project on teacher training, combining formal and informal learning focused on Responsible Research and Innovation.

It is a coordination and support action under FP7-SCIENCE-IN-SOCIETY-2013-1, ACTIVITY 5.2.2 Young people and science: Topic SIS.2013.2.2.1-1 Raising youth awareness to Responsible Research and Innovation through Inquiry Based Science Education.

The project IRRESISTIBLE is funded by the EU as FP-7 project number 612367





The goal of the project IRRESISTIBLE is to design activities that foster the involvement of students and the public in the process of Responsible Research and Innovation (RRI).

To raise the awareness on RRI the project aims to increase students content knowledge about research by bringing cutting edge research into the program, and to foster the discussion among students about RRI issues by the introduction of relevant topics. By using formal (school) and informal (science center, museum or festival) teaching we familiarize schoolchildren with science.

topics

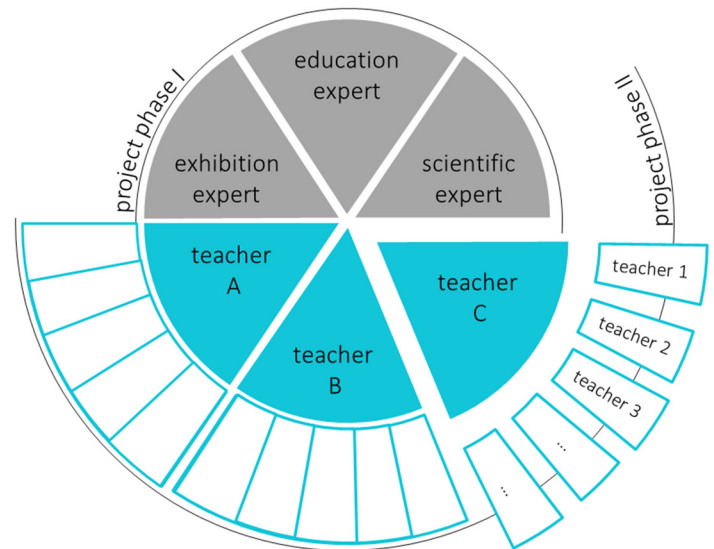
- Healthy ageing (Netherlands)
- Genomics and oceanography (Portugal)
- Oceanography and climate change (Germany)
- Climate change (Finland)
- Renewable energy sustainability (Israel)
- Solar energy and specific nanomaterial (Romania)
- Nanoscience (Turkey)
- Nanoscience applications (Greece)
- Nanotechnology (Italy)
- Nanotechnology (catalysis) (Poland)

RRI: six key issues

- Engagement: joint participation of researchers, industry and civil society in the research and innovation process
- Gender equality: unlocking the full potential of society
- Science education: creative education to foster the future needs of society
- Ethics: Including societal relevance and acceptability of research and innovation outcomes
- Open access: free, online access to the results of publicly funded research
- Governance: the responsibility of policy makers to develop harmonious models for RRI

project course

In each of the ten countries a *Community of Learners* (CoL) will be formed to develop a thematic module. These groups comprise of school teachers, education experts from universities, exhibition experts from museums/science centers and researchers from the thematic field. The material developed will be used by the CoLs teachers with their students. Additionally the students will visit relevant university labs and translate results from their programme into an exhibit, that sheds light on the relationship between research and society.



After phase I of the project there will be ten modules on various RRI-topics that have been tested in five to ten classes each. In phase II, the teachers from the first phase will each train five colleagues.

The teaching modules will also be available online in different languages. The best exhibits from the project will be presented to the European public during a special session at an international conference.

Ultimately, this project will teach almost ten thousand students to consider the social impact of scientific research.