

NEW HORIZON

The challenge

NewHoRRizon aims at further integrating Responsible Research and Innovation (RRI) in the research and innovation systems on national and international levels.

The concept of RRI is an approach which intends to bridge gaps between science, research and innovation communities and society at large by fostering more inclusive, anticipatory, open and responsive research and innovation systems.

To achieve this goal, NewHoRRizon applies the concept of Social Labs and builds a transnational RRI Network.

The Social Lab approach

A Social Lab is a container of social experiments to complex ground-breaking social challenges on a systemic level. In the NewHoRRizon project these are social challenges related to Responsible Research and Innovation (RRI) within the frame of Horizon 2020 (H2020) and beyond (HORIZON Europe and national R&I funding).

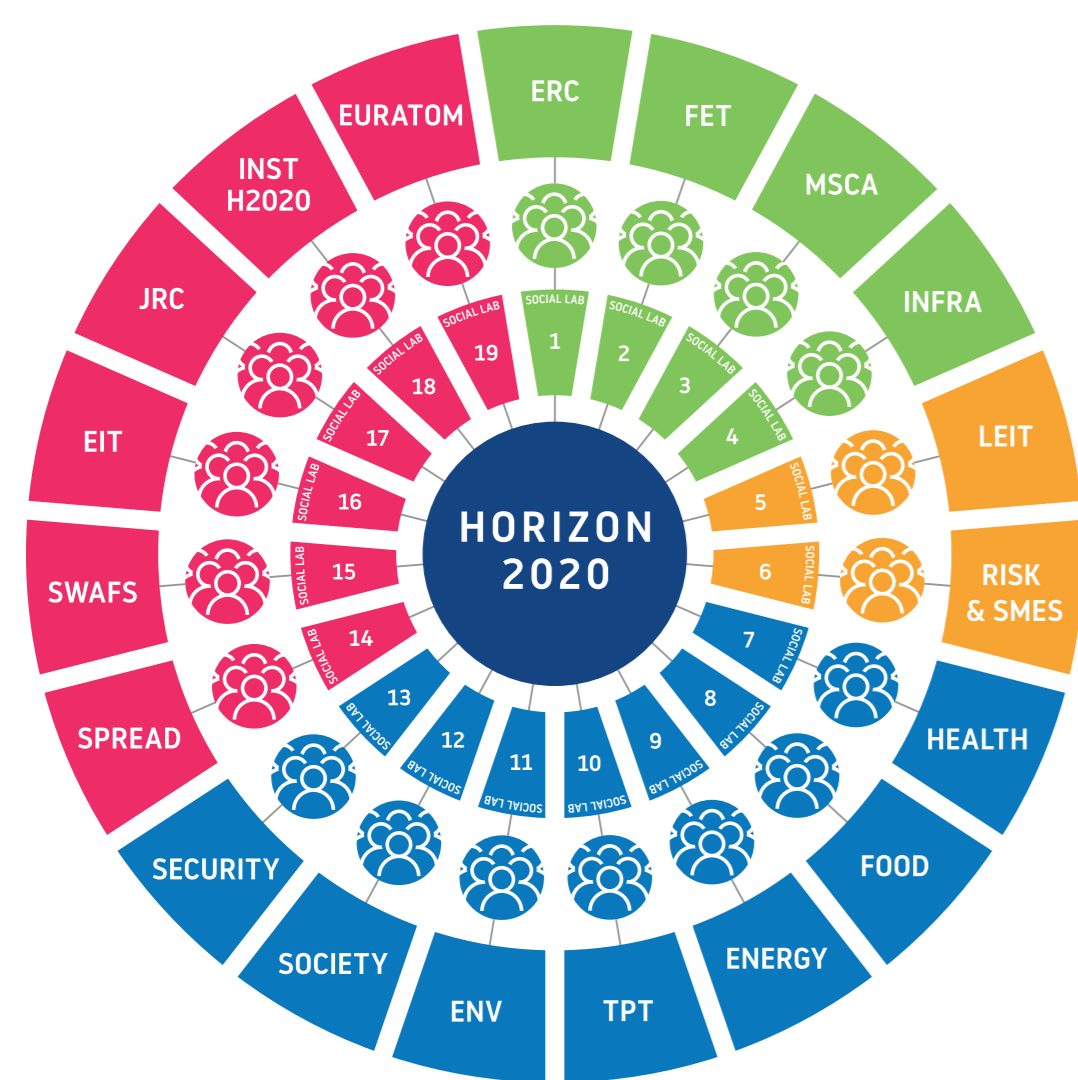
What do Stakeholders do in a Social Lab?

- Participants have the opportunity to co-create, prototype and test pilot actions and activities to support RRI.
- Every Social Lab is based on a thorough diagnosis of the state of RRI in the respective Program Line. It hosts three Workshops and additional pilot activities and meetings.

How is RRI implemented in H2020 so far?

- Strong first steps, but a long distance to travel. RRI often seems to be included only as a pro-forma set of practices, rather than meeting the spirit of requirements around research ethics, public engagement, and gender equality.
- Limited inclusion of publics and stakeholders contributes to separation from society.
- Overly conservative impact evaluation criteria unintentionally hinders RRI adoption.
- Bright spots of programmes pioneering RRI exist and could be leveraged and strengthened.
- Overall, progresses by the Commission to advance commitments to RRI are limited and inconsistent across H2020.

SOCIAL LABS



EXCELLENT SCIENCE

- SOCIAL LAB 1**
European Research Council
- SOCIAL LAB 2**
Future and Emerging Technologies
- SOCIAL LAB 3**
Marie Skłodowska Curie Actions
- SOCIAL LAB 4**
Research Infrastructures, including e-Infrastructures

INDUSTRIAL LEADERSHIP

- SOCIAL LAB 5**
Leadership in Enabling Industrial Technologies
- SOCIAL LAB 6**
Access to Risk Finance & Innovation in SMEs

SOCIETAL CHALLENGES

- SOCIAL LAB 7**
Health, Demographic Change and Wellbeing
- SOCIAL LAB 8**
Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy
- SOCIAL LAB 9**
Secure, Clean and Efficient Energy
- SOCIAL LAB 10**
Smart, Green and Integrated Transport
- SOCIAL LAB 11**
Climate Action, Environment, Resource Efficiency and Raw Materials
- SOCIAL LAB 12**
Europe in a changing world - Inclusive, innovative and reflective societies
- SOCIAL LAB 13**
Secure societies – Protecting freedom and security of Europe and its citizens

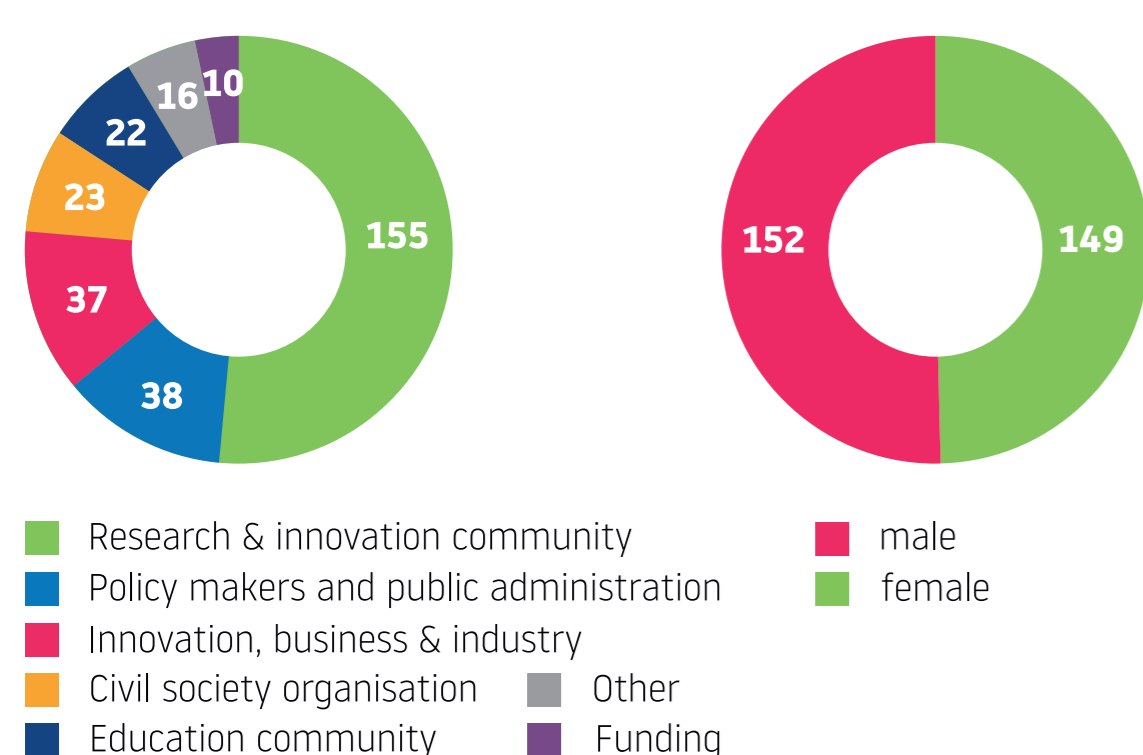
DIVERSITY OF APPROACHES

- SOCIAL LAB 14**
Spreading Excellence and Widening Participation
- SOCIAL LAB 15**
Science with and for Society
- SOCIAL LAB 16**
European Institute of Innovation and Technology
- SOCIAL LAB 17**
Non-Nuclear direct actions of the JRC
- SOCIAL LAB 18**
Instruments of H2020
- SOCIAL LAB 19**
EURATOM

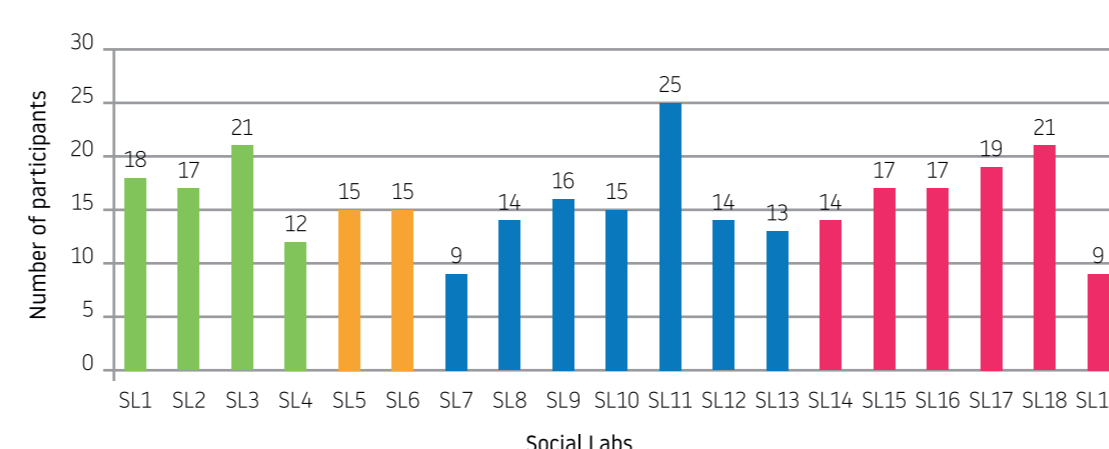
19 Social Labs set up in 2017 - 2018.
301 participants included in the first series of workshops.

Social Labs identified and started to co-create and experiment with 58 pilot actions to address RRI challenges.

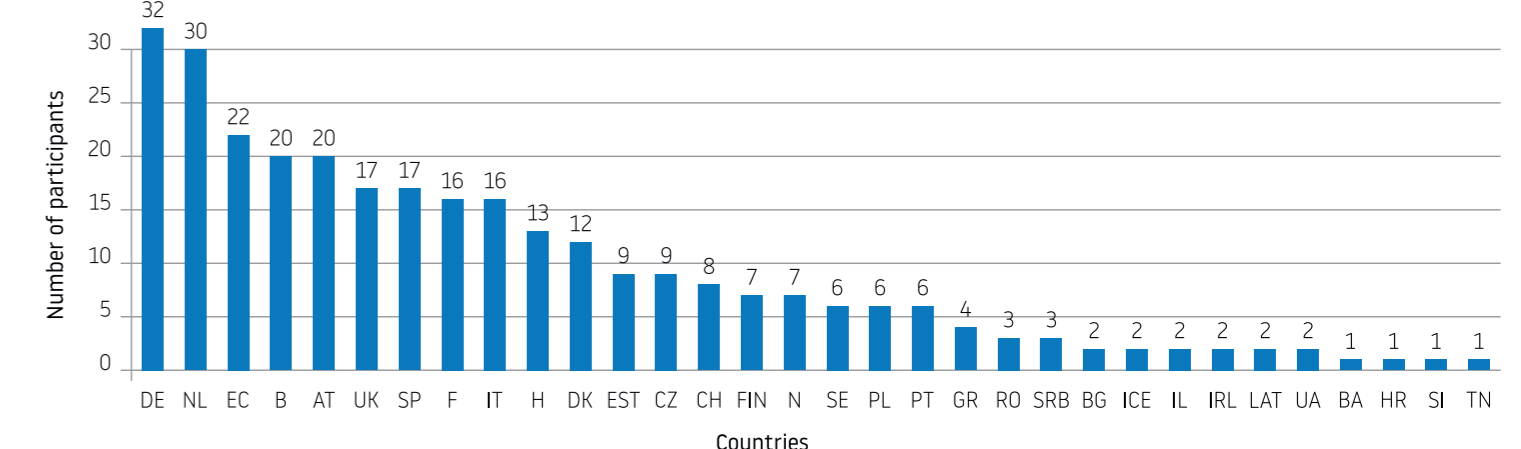
Social Lab participants by stakeholder group and gender



Number of participants in the 1st series of Social Lab workshops



Number of participants in the 1st series of Social Lab workshops by country



RRI Network (RRInet)

Funding agencies from Austria, Czech Republic, Estonia and the Netherlands as well as an NGO from Germany are working on translating the RRI message to their national stakeholders. Beyond that they attempt to foster a stronger awareness in matters of RRI amongst national R&I funders and policy makers. Their current focus is on developing and building national competences for the uptake of RRI.

Area of pilot action	# of actions	Example
Public engagement / transdisciplinary research	17	"Defining good practices of co-creation models for RRI" (SL Health) "RRI as link for science to security policy" (SL Security)
Governance	12	"Evaluating and rewarding research communication" (SL FOOD)
Awareness / General capacity building	22	"NCP training about relevance of RRI and public engagement" (SL ENERGY) "Targeting policy-makers to inform them about the benefits of RRI" (SL SOCIETY)
Gender / OA / Interdisciplinary / Others	9	"Revision of the open access Charta according to RRI principles" (SL INFRA) Criteria Setting and Impact Measurement of RRI (SL LEIT)

Societal Readiness Level (SRL)

- A thinking tool for enhancing responsibility in research projects is currently being developed.
- Uses stage-gating architecture.
- Distinct entry points for researchers depending on project phase.
- Iterative design approach.
- Co-created with Social Labs.
- Final web-based version will include methods and inspirational examples.

Next steps

- 2nd series of workshops started in November 2018 and will continue until June 2019.
- Pilot actions are being tested and further developed.
- Continuing to raise awareness for RRI, the project and disseminate project results.
- The RRI Network is doing a series of national workshops to bring RRI to national R&I funding.