

# **■ NewHoRRizon / Overview**

## **■ NewHoRRizon Consortium**



# What is NewHoRRizon about?

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HORIZON

- NewHoRRizon promotes acceptance of RRI
  - in Horizon 2020
  - and beyond (Horizon Europe, beyond EU)
- NewHoRRizon aims at further integrating the goals of RRI in the R&I systems on national and international levels.
- RRI intends to bridge gaps between science, R&I communities, as well as society at large by fostering **inclusive, anticipatory, open, and responsive** R&I systems.
- Multiple stakeholders (e.g. research, business, policy-making, education, civil society) are involved in R&I on the project- and system-level in order to better align its processes and outcomes with the values, needs, and expectations of societies.



# Objectives

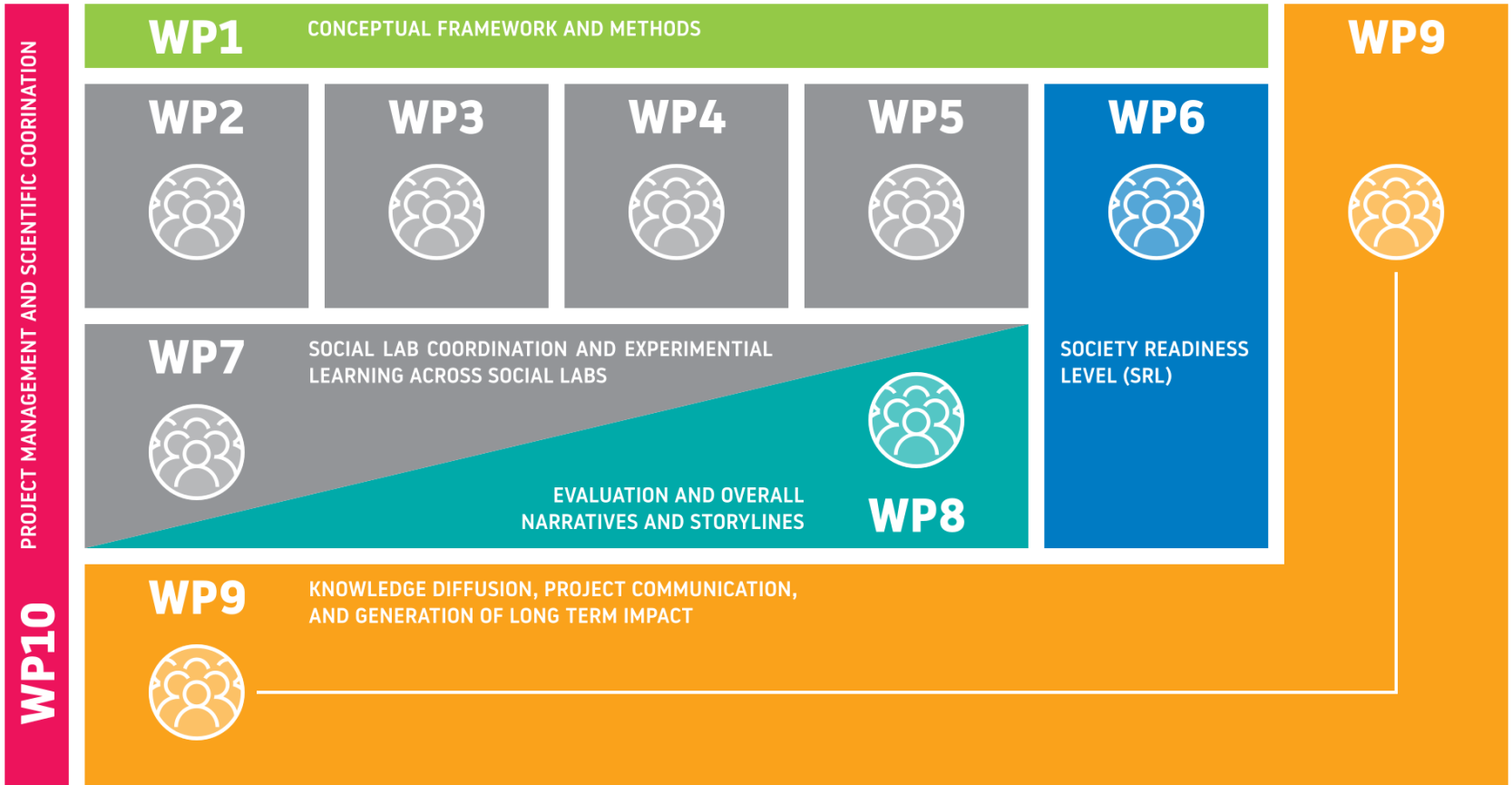
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1. Promote the acceptance of RRI in H2020 and beyond
2. Co-create with stakeholders tailor-made actions and activities within each section of H2020
3. Stimulate learning across sections about how to promote acceptance of RRI in H2020
4. Provide a global perspective of RRI and disseminate information beyond the EU
5. Develop and co-create a Societal Readiness Level (SRL) for R&I
6. Reflect, learn and evaluate
7. Promote integration of RRI in national R&I funding programmes
8. Disseminate best practices to promote acceptance of RRI across H2020 and generate long term effects



# Project Design

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## What is a Social Lab in NewHoRRizon?

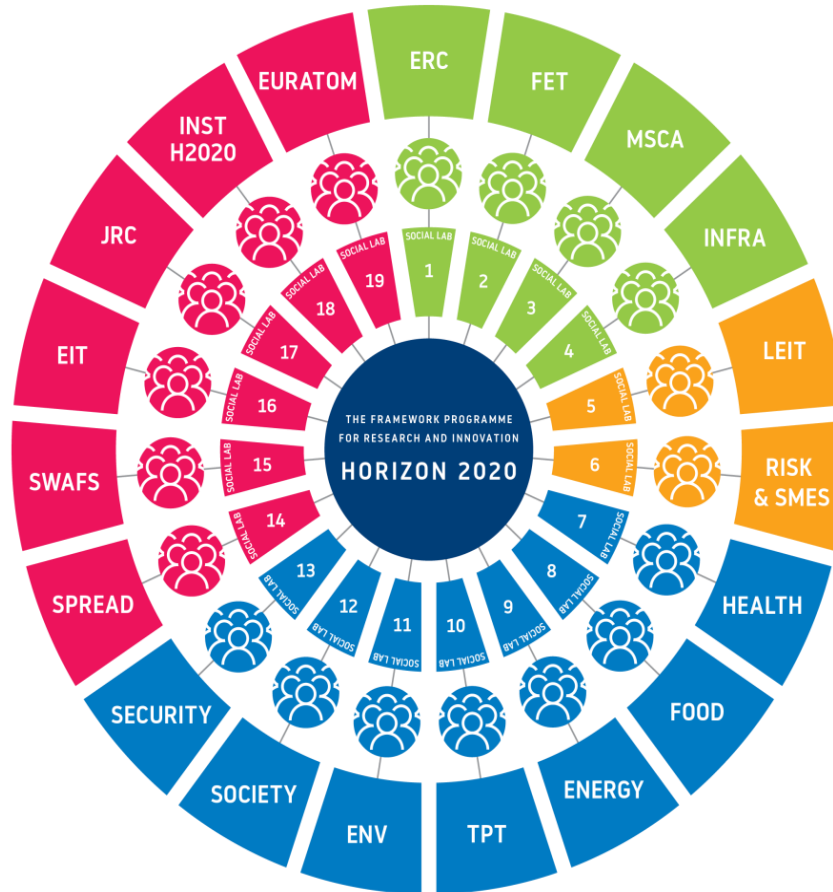
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- Social Labs are at the core of NewHoRRizon.
- Social Labs build on a tradition of participatory and community-based action research to bring together people with common interests in solving together complex problems.
- Social Labs are **interactive, experimental, and systematically** created spaces intentionally managed to support stakeholders concerned in learning about and taking action to address societal challenges (Hassan 2014).
- In the specific case of our NewHoRRizon project, they are used to R&I systems to co-create and implement RRI-inspired activities in existing working environment.
- NewHoRRizon establishes 19 Social Labs, which represent all the main R&I pillars defined in the Framework Programme Horizon 2020.



# What is a Social Lab in NewHoRRizon?

# NEW HORIZON



### 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 Intergrated 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



## Social Lab Team?

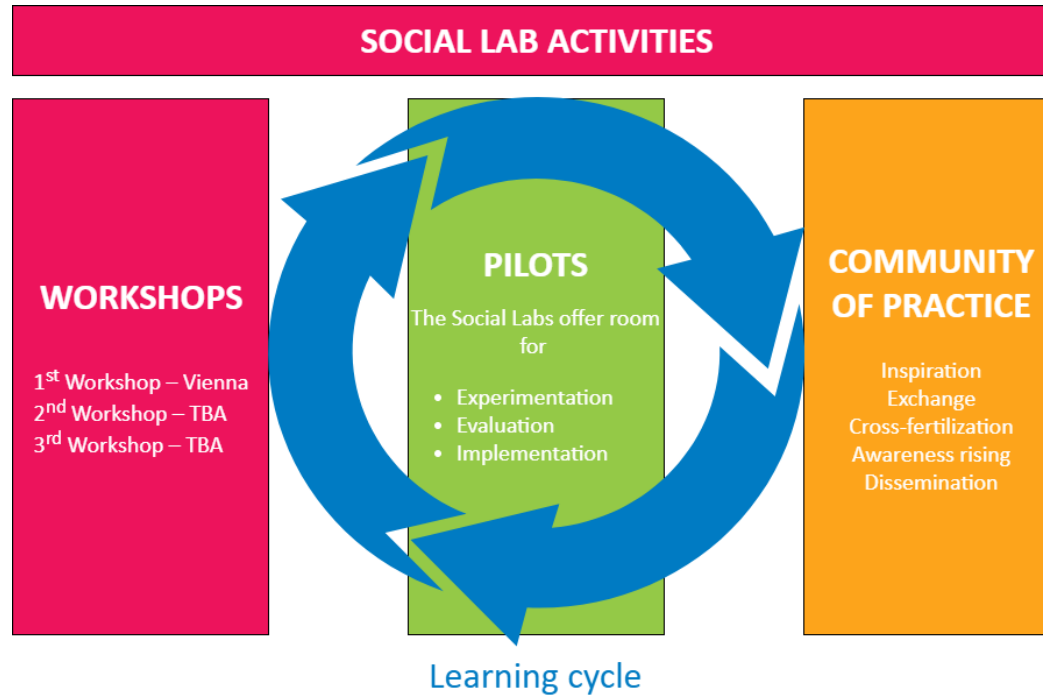
- Important societal actors at the level of each programme line.
- Inclusive and heterogeneous sample of societal actors.
- Target number ranging from 14 – 20 participants, depending on the budget of the corresponding H2020 programme line
- Criteria
  - Wide range of disciplines and research fields;
  - Mix of practitioners, policy/governance people, academic researchers and industry (including established large and small size enterprises, and entrepreneurs);
  - In positions to advance change within organizations or projects;
  - Who, for a small number, may already be familiar with RRI;
  - Gender balanced
  - From a mix of countries across Europe



## What is a Social Lab Process?

- Each Social Lab team goes together through the Social Lab Process, which is inspired by Kolb's experiential learning cycle.
- In this model, concrete experiences steer reflective observations which lead to abstract conceptualizations and gear active experimentation that leads to more concrete experiences, which start the cycle all over again.
- The Social Labs materialise this process by fostering a permanent diagnosis of current RRI practices in the various programme lines of H2020, their respective barriers and enablers.
- These insights inform the design and implementation of experiments to overcome existing stumbling blocks. Lessons learnt along the process are distilled to inform future embedding of RRI into R&I policies & funding programmes. While the preparatory work for all 19 labs started at the same time and was guided by the common framework of the project's own 'Social Lab Manual' the process came along quite differently from lab to lab.





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## What is a Pilot Action?

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- Social Lab create tailor-made pilot actions that will stimulate an increased use and acceptance of RRI across the present Framework Programme Horizon 2020.
- Pilot action should not to overburden institutions with additional administrative tasks, it attempts to strengthen already existing practices towards RRI.
- Pilot actions aim at engaging a multiplicity of R&I actors



## **First Step - Diagnosis: What are our findings about the uptake of RRI in H2020 so far?**

Based on desk research and 150 Interviews with stakeholders in R&I.

- 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 may unintentionally hinder 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.



# Overview Social Labs

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Social Lab	1 <sup>st</sup> Workshop	2 <sup>nd</sup> Workshop	3 <sup>rd</sup> Workshop
SL 1 (ERC)	May, 22/23 ,2018 (Vienna)	April, 12/13 , 2019 (Vienna)	January, 2020 (Vienna)
SL 2 (FET)	May, 24/25, 2018 (Tromsø)	March, 12/13 , 2019(Tromsø)	
SL 3 (MSCA)	June, 8/9, 2018 (Amsterdam)	March, 29/30, 2019 (Amsterdam)	
SL 4 (INFRA)	May, 14/15, 2018 (Vienna)	April, 10/11, 2019 (Vienna)	
SL 5 (LEIT)	June, 18/19, 2018 (Wageningen)	July, 2019 (Wageningen) TBC	
SL 6 (RISK & SME)	June, 18/19, 2018 (Prague)	June, 10/11, 2019 (Madrid)	
SL 7 (HEALTH)	June, 26/27, 2018 (Frankfurt)	November, 22/23, 2018 (Frankfurt)	
SL 8 (FOOD)	May, 29/30, 2018 (Tromsø)	February, 19/20, 2019 (Tromsø)	
SL 9 (ENERGY)	May, 17/18 2018 (Vienna)	April , 4/5, 2019 (Vienna)	
SL 10 (TPT)	May, 23/24 2018 (Vienna)	March, 7/8, 2019 (Prague)	
SL 11 (ENV)	May, 17/18 2018 (Berlin)	March, 22/23, 2019 (Berlin)	
SL 12 (SOCIETY)	May, 3/4, 2018 (Tallinn)	May, 2/3 , 2019 (Rome)	
SL 13 (SECURITY)	May, 2/3, 2018 (Tallinn)	April, 10/11, 2019 (Brussels)	
SL 14 (SPREAD)	March, 22/23, 2018 (Madrid)	November, 29/30 , 2019 (Prague)	
SL 15 (SwafS)	November, 15/16, 2018 (Berlin)	April, ½, 2019 (Ljubljana)	
SL 16 (EIT)	April, 17/18 2018 (Budapest)	December, 10/11, 2018 (Munich)	December, 2019 (Brussels) TBC
SL 17 (JRC)	September, 24/25, 2018 (Ispra)	May, 6/7, 2019 (Ispra)	
SL 18 (INST)	April, 19/20, 2018 (Budapest)	November, 19/20, 2018 (Munich)	
SL 19 (EURATOM)	May, 17/18, 2018 (Brussels)	January, 29/30, 2019 (Vienna)	

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## Co-create tailor-made actions and activities within each H2020 section

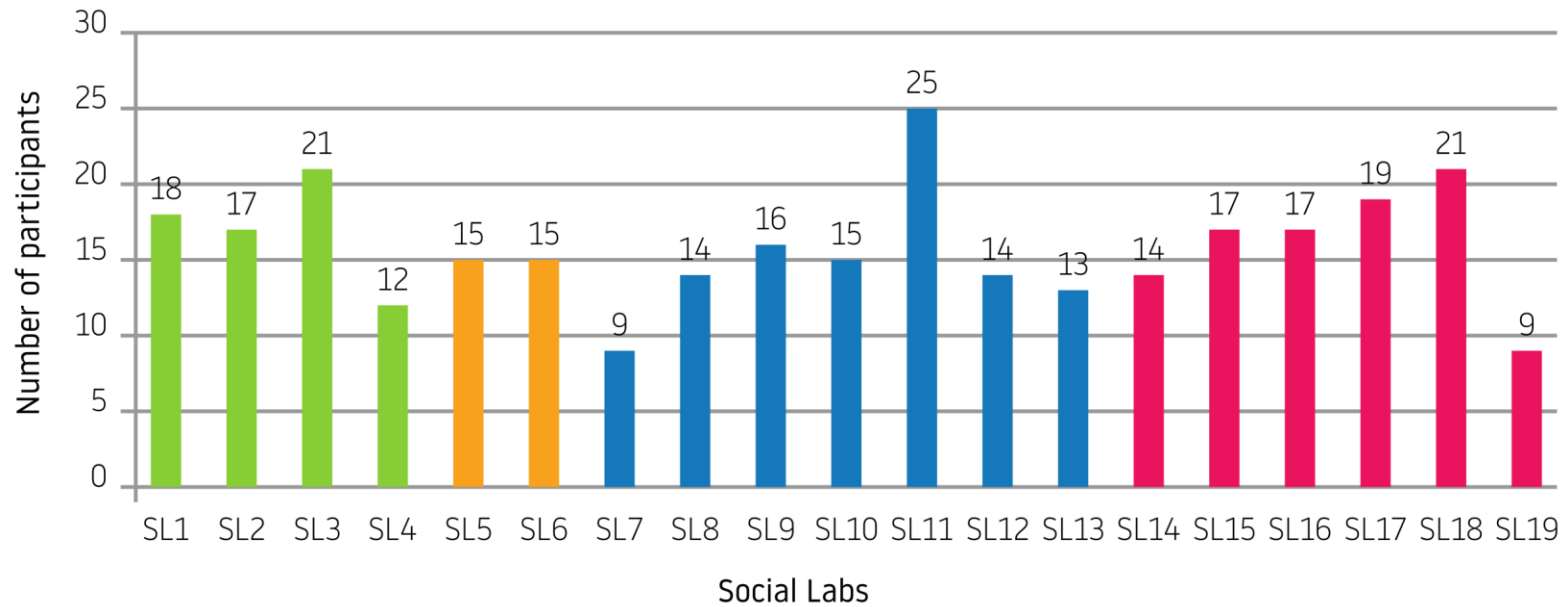
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- 18 SLs involving 284 SL participants and NewHoRRizon Consortium members have been set up
- SLs formulated and started to co-create already 58 Pilot Actions (PA) to address RRI challenges
- SL participants together with Consortium members will continue to develop, assess, adapt and disseminate PAs in the months to come and, if considered appropriate, generate new PAs



# Overview Social Labs

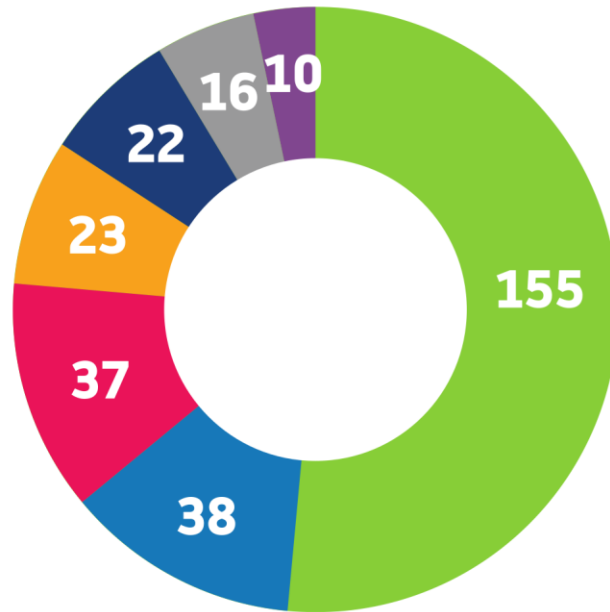
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# Social Lab participants per stakeholder group

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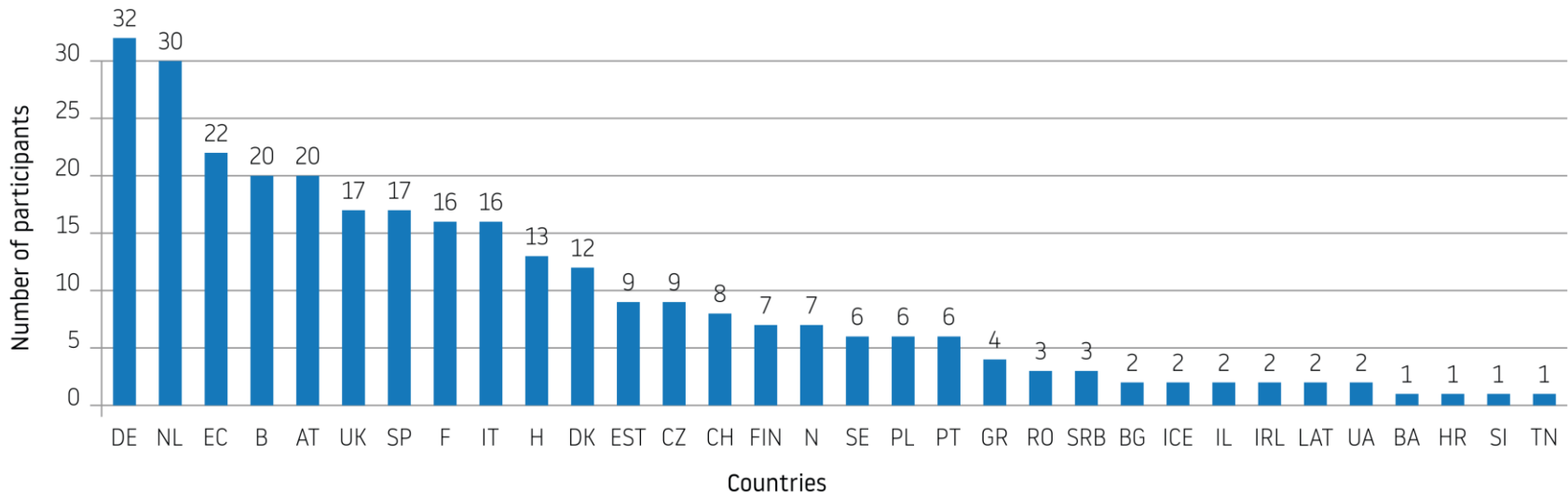


- Research & innovation community
- Policy makers and public administration
- Innovation, business & industry
- Civil society organisation
- Education community
- Other
- Funding



# Social Lab participants per country

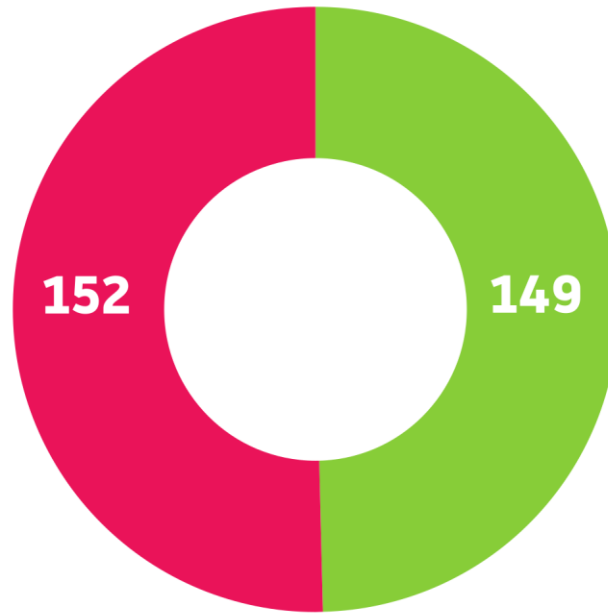
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# Distribution of gender across Social Labs NEW HORIZON



- male
- female



# Pilot Activities “Excellence Science”

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	Public Engagement /Transdisciplinary research	Governance	Awareness/General capacity building	Gender/OA/ Interdisciplinarity /Others
SL 1 ERC	PA 1: “Excellent Research – Excellent Impact” PA 2: COR! – collaborative Open Research PA 4: Quadrologue	PA 3: RRI to improve excellence of ERC		
SL 2 FET		PA 1: RRI in FET calls	PA 2: Improving Leadership Styles in Science and Technology Management PA 3: RRI Training	
SL 3 MSCA	PA 1: Research Kiosk	PA 2: RRI-Career Assessment Matrix	PA 3: RRI Training. PA 4: RRI Manifesto	
SL 4 INFRA	PA 3: Museum Lab PA 1: Embed RRI in new wind-energy infrastructure in Denmark.		<i>Pilot Action 4: Green Village</i>	PA 2: Magna Charta (Open Access)



## Pilot Activities “Industrial Leadership”

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	Public Engagement /Transdisciplinary research	Governance	Awareness/General capacity building	Gender/OA/ Interdisciplinarity /Others
SL 5 LEIT	PA 1: Involvement and Engagement of Civil Society Organisations (CSOs)		PA 2: Training for RRI	PA 3: Criteria Setting and Impact Measurement of RRI PA 4: Involvement of SSH in EC Projects
SL 6 Access to Risk Finance & Innovation in SMEs	PA1: Talent Management in innovative SMEs	PA3: RRI in Innovation Agency praxis	PA2: Design experienced based training module for aspiring entrepreneurs	



# Pilot Activities „Societal Challenges“

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	Public Engagement /Transdisciplinary research	Governance	Awareness/General capacity building	Gender/OA/Interdisciplinarity /Others
<b>SL 7 HEALTH</b>	PA 2: Patient involvement PA 3: Co-creation	PA 1: Funding instruments		
<b>SL 8 FOOD</b>		PA 2: Incentives and Evaluation of Public Engagement and Multi Actor Approaches (MAA) PA 3: Evaluating and Rewarding Research Communication	PA 4:RRI Literacy and Leadership Training Suite	PA 1: Gender Equality to Balance Personal, Family, and Professional Lives
<b>SL 9 ENERGY</b>	PA 2: Living Lab		PA 1: NCP training PA 3: Renewable Energy 'Knowhere'	
<b>SL 10 TPT</b>	PA 1: Research goes to street PA 3: 'mobalance' Consensus Conference		PA 2: Workshop on RRI and Public Engagement	
<b>SL 11 ENV</b>	PA 5: PE from "nice to have" to "need to have"	PA 4: Value added transfer (VAT)	PA 1: Training on RRI for newly funded EU projects within SC5 PA 2: Urban Transition Coalitions. PA 3 Public Scientist Hero	
<b>SL 12 SOCIETY</b>			PA 1: Open workshops for students and researchers on data mining PA 2: training at the EC on some of the keys of RRI PA 3: Lectures at universities on selected RRI keys	

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## Pilot Activities „Societal Challenges“ (2)

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	Public Engagement /Transdisciplinary research	Governance	Awareness/General capacity building	Gender/OA/Inter-disciplinarity /Others
SL 13 SECURITY		PA 2: Developing a web-based RRI compass tool for SMEs by which they can assess their performance against certain RRI principle PA 3: Responsible AI framework and evaluation criteria for call for proposals	PA 1: Capacity building of RRI in higher security education	



# Pilot Activities „Spreading, SWAFS, JRC, EIT, Instruments, EURATOM“

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	Public Engagement /Transdisciplinary research	Governance	Awareness/General capacity building	Gender/OA/Inter-disciplinarity /Others
SL 14 Spreading Excellence Widening Participation		PA 2: Assessment of Social Readiness Tool (SRT) for RRI	PA 1: Introducing RRI PA 3: Development of and European Network for RRI support PA 4: Dialog Skills	
SL 15 SWAFS		PA: 3 The Future of Science?Society	PA 1: Sharing the benefits of RRI PA 2: RRI education PA 5: RRI Training	PA 4: Interdisciplinary Dialogues
SL 16 EIT			PA 1: “RRI-up your life” PA 2: “Showcase RRI” or “RRIshow”	
SL 17 Non-Nuclear direct actions of the JRC	PA 1: Stakeholder/citizen engagement PA 2: Stakeholder/citizen needs mapping PA 4: RRI for future deployment of Connected and Automated Vehicles (CAVs)		PA 3: Testing alternative narratives (non-techno fix)	
SL 18 Instruments of H2020		PA 4: The Buda Matrix	PA 3: Responsible data sharing	PA 1: ‘ARRIMSIM’; design infotainment-based public waste-bin; promote nature-based solutions in public space. PA 2: RRI House
SL 19 EURATOM	PA 5: Fessenheim	PA 2: Creation of RRI keys for EURATOM PA 4: A trial event	PA 1: Teach-the-teacher.	PA 3: “Nuclear dating”



- **Stakeholder involvement**: Engaging participants, and keeping them engaged, identifying and including relevant ‘new’ actors, and ensuring diversity in the Social Lab;
- **Project management**: Dealing with limiting conditions such as time and resources;
- **RRI-focus**: Creating clarity about the goals of NewHoRRizon and RRI-efforts;
- **Responsiveness**: Responding to and/or including participants’ ideas on and perceptions of RRI and information needs;
- **Feasibility of Pilot Actions**: Challenging participants to reflect on their own ability to further RRI, to address factors that may hamper the uptake of RRI and to creatively enhance their sense of agency in those respects;
- **Frictions in the piloting process**: dealing with Pilot Action dynamics, helping to focus efforts and bridging diverse perceptions of what a Pilot Action is, etc

- Website: [www.newhorizon.eu](http://www.newhorizon.eu)
- RRI Network
- Ambassador Programme
- RRI Roadshow
- Social Media
- Newsletter
- Policy briefs
- Presentations
- Publications (journal publications, book)





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# Thank you!