NewHoRRIzon / Overview

NCP-Academy Webinar "Responsible Research and Innovation - RRI"

- April, 8th 2019, Vienna
What is NewHoRRIzon about?

- 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

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
What is a Social Lab in NewHoRRIzon?

- 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?
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.
Social Lab Process

SOCIAL LAB ACTIVITIES

WORKSHOPS
1st Workshop – Vienna
2nd Workshop – TBA
3rd Workshop – TBA

PILOTS
The Social Labs offer room for
- Experimentation
- Evaluation
- Implementation

COMMUNITY OF PRACTICE
Inspiration
Exchange
Cross-fertilization
Awareness raising
Dissemination

Learning cycle
What is a Pilot Action?

- 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 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

<table>
<thead>
<tr>
<th>Social Lab</th>
<th>1st Workshop</th>
<th>2nd Workshop</th>
<th>3rd Workshop Winter 2019/2020</th>
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<tbody>
<tr>
<td>SL 1 (ERC)</td>
<td>May, 22/23, 2018 (Vienna)</td>
<td>April, 12/13, 2019 (Vienna)</td>
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<tr>
<td>SL 2 (FET)</td>
<td>May, 24/25, 2018 (Tromsø)</td>
<td>March, 12/13, 2019 (Tromsø)</td>
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<tr>
<td>SL 3 (MSCA)</td>
<td>June, 8/9, 2018 (Amsterdam)</td>
<td>March, 29/30, 2019 (Amsterdam)</td>
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<tr>
<td>SL 4 (INFRA)</td>
<td>May, 14/15, 2018 (Vienna)</td>
<td>April, 10/11, 2019 (Vienna)</td>
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<tr>
<td>SL 5 (LEIT)</td>
<td>June, 18/19, 2018 (Wageningen)</td>
<td>June, 18/19, 2018 (Prague)</td>
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<tr>
<td>SL 6 (RISK &amp; SME)</td>
<td>June, 6/7, 2018 (Prague)</td>
<td>June, 26/27, 2018 (Frankfurt)</td>
<td>November, 22/23, 2018 (Frankfurt)</td>
</tr>
<tr>
<td>SL 7 (HEALTH)</td>
<td>May, 17/18, 2018 (Berlin)</td>
<td>May, 2/3, 2018 (Tallinn)</td>
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<tr>
<td>SL 8 (FOOD)</td>
<td>May, 29/30, 2018 (Tromsø)</td>
<td>February, 19/20, 2019 (Tromsø)</td>
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<tr>
<td>SL 9 (ENERGY)</td>
<td>May, 17/18, 2018 (Vienna)</td>
<td>April, 4/5, 2019 (Vienna)</td>
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<tr>
<td>SL 10 (TPT)</td>
<td>May, 23/4, 2018 (Vienna)</td>
<td>March, 7/8, 2019 (Prague)</td>
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<tr>
<td>SL 11 (ENV)</td>
<td>May, 17/18, 2018 (Berlin)</td>
<td>March, 22/23, 2019 (Berlin)</td>
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<tr>
<td>SL 13 (SECURITY)</td>
<td>May, 2/3, 2018 (Tallinn)</td>
<td>April, 10/11, 2019 (Brussels)</td>
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<tr>
<td>SL 14 (SPREAD)</td>
<td>March, 22/3, 2018 (Madrid)</td>
<td>November, 29/30, 2019 (Prague)</td>
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<tr>
<td>SL 15 (SwafS)</td>
<td>November, 15/16, 2018 (Berlin)</td>
<td>April, 1/2, 2019 (Ljubljana)</td>
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<tr>
<td>SL 16 (EIT)</td>
<td>April, 17/18, 2018 (Budapest)</td>
<td>December, 10/11, 2018 (Munich)</td>
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<tr>
<td>SL 17 (JRC)</td>
<td>September, 24/25, 2018 (Ispra)</td>
<td>May, 6/7, 2019 (Ispra)</td>
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<tr>
<td>SL 18 (INST)</td>
<td>April, 19/20, 2018 (Budapest)</td>
<td>November, 19/20, 2018 (Munich)</td>
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<tr>
<td>SL 19 (EURATOM)</td>
<td>May, 17/18, 2018 (Brussels)</td>
<td>January, 29/30, 2019 (Vienna)</td>
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Co-create tailor-made actions and activities within each H2020 section

- 18 SLs involving 284 SL participants and NewHoRRlizon 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

The chart shows the number of participants in each Social Lab (SL) over a period. The number of participants varies significantly across different Social Labs, with some labs having a higher number of participants than others.

Social Labs:
- SL1: 18 participants
- SL2: 17 participants
- SL3: 21 participants
- SL4: 12 participants
- SL5: 15 participants
- SL6: 15 participants
- SL7: 9 participants
- SL8: 14 participants
- SL9: 16 participants
- SL10: 15 participants
- SL11: 25 participants
- SL12: 14 participants
- SL13: 13 participants
- SL14: 14 participants
- SL15: 17 participants
- SL16: 19 participants
- SL17: 21 participants
- SL18: 17 participants
- SL19: 9 participants
Social Lab participants per stakeholder group

Research & innovation community: 146
Policy makers and public administration: 19
Innovation, Business & Industry: 20
Civil society organisation: 36
Education community: 37
Other: 10
Funding: 16
Social Lab participants per country

Number of participants

Countries

- NL: 29
- DE: 28
- B: 20
- UK: 17
- AT: 17
- F: 16
- IT: 15
- SP: 15
- H: 13
- DK: 12
- EST: 9
- CZ: 9
- CH: 8
- PT: 6
- FIN: 6
- N: 5
- SE: 5
- PL: 4
- GR: 22
- EC: 3
- RO: 3
- SRB: 2
- BG: 2
- ICE: 2
- IL: 2
- IRL: 2
- LAT: 2
- UA: 1
- BA: 1
- HR: 1
- SI: 1
- TN: 1
Distribution of gender across Social Labs

- Female: 136
- Male: 148
## Pilot Activities

<table>
<thead>
<tr>
<th>SL 1 ERC</th>
<th>Public Engagement /Transdisciplinary research</th>
<th>Governance</th>
<th>Awareness/General capacity building</th>
<th>Gender/OA/Interdisciplinarity/Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>PA 1: “Excellent Research – Excellent Impact”</td>
<td>PA 3: RRI to improve excellence of ERC</td>
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<td>PA 2: COR! – collaborative Open Research</td>
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</table>

| SL 2 FET | | | | |
| PA 1: Embedding RRI in FET calls | PA 2: Leadership course | PA 3: RRI training | |

| SL 3 MSCA | | | | |
| PA 1: Develop kiosk/dialogue system between citizens and researchers | PA 2: RRI Career Assessment Matrix | PA 3: RRI Training. PA 4: RRI Manifesto | |

| SL 4 INFRA | | | | |
| PA 1: Embed RRI in new wind-energy infrastructure in Denmark. PA 3: Museum Lab. Social Lab on RRI in the Natural History Museum Vienna. | | | PA 2: Revision of the open access Charta according to RRI principles |

| 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
Developed in the Social Labs

<table>
<thead>
<tr>
<th>SL 7 HEALTH</th>
<th>Public Engagement /Transdisciplinary research</th>
<th>Governance</th>
<th>Awareness/General capacity building</th>
<th>Gender/OA/Interdisciplin arity /Others</th>
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<tr>
<td></td>
<td>PA 2: Patient involvement PA 3: Co-creation. Defining good practices of co-creation models for RRI</td>
<td>PA 2: Enriching funding mechanisms.</td>
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<tr>
<td>SL 8 FOOD</td>
<td>PA 2: Incentives for PE PA 3: Evaluating and rewarding research communication</td>
<td>PA 4: RRI PhD courses</td>
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<td>PA 1: Gender Balance. Balance personal, family, and professional lives</td>
</tr>
<tr>
<td>SL 9 ENERGY</td>
<td>PA 2: Living Lab</td>
<td>PA 1: NCP training about relevance of RRI and public engagement</td>
<td></td>
<td>PA 3: Energizing houses</td>
</tr>
<tr>
<td>SL 10 TPT</td>
<td>PA 3: Research goes to street PA 2: Consensus conference</td>
<td>PA 1: NCP-pilot action about relevance of RRI and public engagement</td>
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<tr>
<td>SL 11 ENV</td>
<td>PA 5: PE from “nice to have” to “need to have” PA 1: Training on RRI PA 4: Value added transfer (VAT)</td>
<td>PA 2: Urban Transition Coalitions. PA 3 Public Scientist Hero Fostering</td>
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<tr>
<td>SL 12 SOCIETY</td>
<td>PA 2: Series of lectures and workshops to be held across Europe on meta-aspects such as data protection and privacy in relation to the digitalization of governance</td>
<td>PA 1: Construction of a repository for practitioners PA 3: Targeting policy-makers to inform them about the benefits of RRI</td>
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</tbody>
</table>
| SL 13 SECURITY | PA 2: Big data and security  
                   PA 3: RRI as link for science to security policy | PA 1: Capacity building of RRI in higher security education (Mesikäpp)  
                   PA 4: Blue Sea |  
| SL 14 Spreading Excellence Widening Participation | PA 3: Meeting with the RRI Unit at the University of Novi Sad, Serbia | PA 1: Seminar on RRI at IMDEA Networks  
                   PA 2: NCP_WIDE.NET Workshops on RRI  
                   PA 4: Presentation on RRI concept and application  
                   PA 5: Seminar on RRI |  
| SL 15 SWAFS |  |  
| 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 3: RRI House.  
                   PA 4: Responsible data sharing |  
| SL 19 EURATOM | PA 2: Creation of RRI keys for EURATOM  
                   PA 4: A trial event | PA 1: Teach-the-teacher.  
                   PA 3: “Nuclear dating Event” |
Current challenges of creating Pilot Activities

- **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 NewHoRRlizon 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
Dissemination Activities

• Website: www.newhorrizon.eu
• RRI Network
• Ambassador Programme
• RRI Roadshow
• Social Media
• Presentations
• Publications (journal, book)
Thank you!