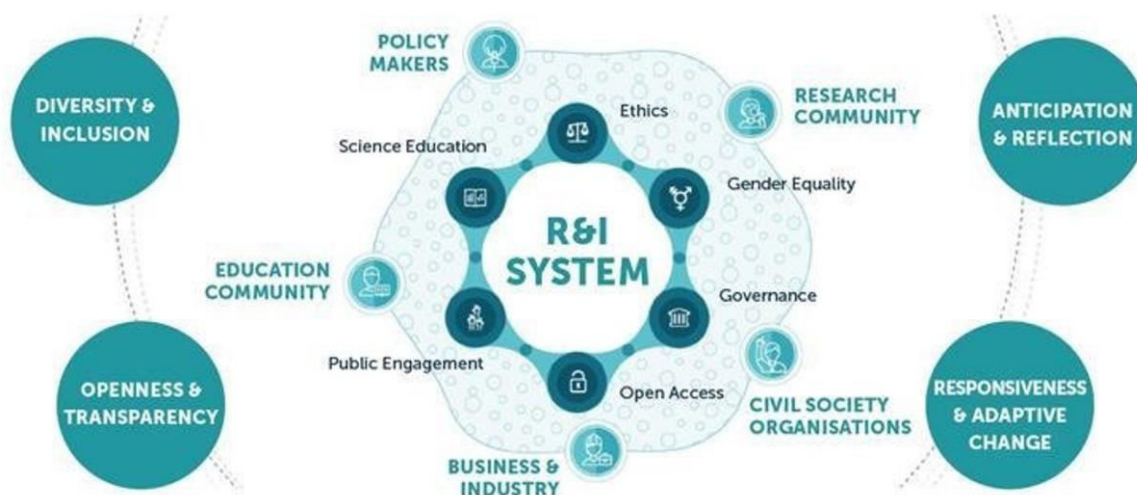


Survey «Responsible Research & Innovation in Living Labs (RRILL)»

Thank you for your interest in this survey!

This survey gathers information on [Responsible Research & Innovation \(RRI\)](#) in Living Labs and is conducted by members of the H2020 project «New HoRRizon» Social Lab Energy. RRI is an approach that anticipates and assesses potential issues related to research and innovation as well as societal expectations. The aim of the RRI approach is to foster more inclusive and sustainable research and innovation by involving society in science and innovation to align its outcomes with the values and needs of society.

**RRI is about: including all actors,
and considering specific key issues and process dimensions**



source: www.rri-tools.eu

With this survey, we want to assess the status of RRI in Living Labs, identify best practices in terms of RRI implementation, and draw conclusions on needs and steps to integrate RRI in [Living Labs](#). The focus of this survey is on Living Labs related to «Energy in Cities».

We are very much interested in your general practice of RRI elements within your Living Lab. If you are involved in more than one Living Lab related to «Energy in Cities», please refer to the one that is most suited to answer questions on RRI.

RRI is a concept of increasing importance. By filling out the survey, you get more insights about RRI. It will take about 20 minutes to complete the survey.

Thank you!

Data Protection & Informed Consent

Your data will be treated strictly confidentially and will only be analysed by the research team. Only fully anonymised data that cannot be used to identify you will be published, for example in scientific journals, or shared with other researchers for scientific purposes. The responsible investigators and/or members of the ethics committee can have a look at the original data for testing and control purposes, but in strict compliance with confidentiality.

Participation is completely voluntary. You can stop your participation at any time by closing the browser window without stating reasons and without that this is causing any disadvantages for you. If you wish, any data you have already provided will be deleted; please indicate your preference below.

If I stop my participation by closing the browser window and do not finish the survey at a later time...

- ...the data I have already provided can nevertheless be used for scientific research.
- ...the data I have already provided has to be deleted.

In case of any questions or concerns about this study, you can contact the researcher in charge of this survey at the ZHAW (Zurich University of Applied Sciences):

Contact details of researcher in charge of this study at the ZHAW:

Name: Vicente Carabias

Email: cahu@zhaw.ch

Phone: +41 58 934 70 15

Informed consent

By selecting "I agree, start the questionnaire" you indicate that:

- You have read and understood the above information.
- You participate in this survey voluntarily and that you can withdraw your consent to participate at any time without stating reasons, without that this is causing any disadvantages for you.
- You agree that your data collected in this survey will be used for scientific research.
- You agree that the responsible investigators and/or members of the ethics committee can have a look at your original data for testing and control purposes, but in strict compliance with confidentiality.
- You have had enough time to make your decision.
- You agree that your email address is collected at the end of the questionnaire in case you are interested in further exchange about the application of RRI elements in Living Labs (last question), so that we can contact you.
- You agree that if you indicate an email address of a contact of the Living Lab, this email address is collected and we can approach the contact in case any further questions would arise about the application of RRI elements in your Living Lab.

- I agree, start the questionnaire.

Details about your Living Lab related to «Energy in Cities»
<p>Name of the Living Lab:</p> <p>Country where the Living Lab is located:</p> <p>City or municipality where the Living Lab is located:</p> <p>Contact details of the Living Lab (i.e., name and email address of responsible researcher, office, or institution who/that can be contacted for further information on the Living Lab):</p>
<p>Has the Living Lab already been implemented?</p> <p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p> <p>If yes, please indicate the years during which the Living Lab has (already) been implemented (from YYYY to YYYY):</p>
<p>Number of years for which the Living Lab is/was planned to run:</p>
<p>Please provide a short description of the <u>scope</u> and the <u>content-related focus</u> of the Living Lab (about 2 to 3 sentences; e.g., promotion of energy-saving behavior through social comparison etc.):</p>
<p>Please provide a short description of the <u>interventions</u> conducted in the Living Lab (about 2 to 3 sentences; e.g., provision of weekly information on personal energy consumption and energy consumption of the neighbours etc.):</p>
<p>Link(s) to website of the Living Lab (if available) and/or to website(s) with information about the Living Lab (if available):</p>
Scale & Focus of your Living Lab related to «Energy in Cities»
<p>On what scale (level) is/was the Living Lab implemented? (multiple answers possible)</p> <p><input type="checkbox"/> Building level</p> <p><input type="checkbox"/> District level</p> <p><input type="checkbox"/> City level</p> <p><input type="checkbox"/> Other, namely:</p>
<p>What energy forms are/will be subject to the intervention(s) conducted in the Living Lab? (multiple answers possible)</p> <p><input type="checkbox"/> Electricity</p> <p><input type="checkbox"/> Room heating</p> <p><input type="checkbox"/> Hot water</p> <p><input type="checkbox"/> Transport / Mobility</p> <p><input type="checkbox"/> Other, namely:</p>
<p>In what way does/do the intervention/s conducted in the Living Lab contribute to the Energy Strategy? (multiple answers possible)</p>

- Promotion of renewable energies
- Promotion of energy efficiency
- Promotion of energy sufficiency
- Reduction of energy consumption
- Reduction of CO₂ emissions
- Other, namely:

Stakeholders & Challenges Addressed in your Living Lab related to «Energy in Cities»

Involved Stakeholders & Target Groups (multiple answers possible):

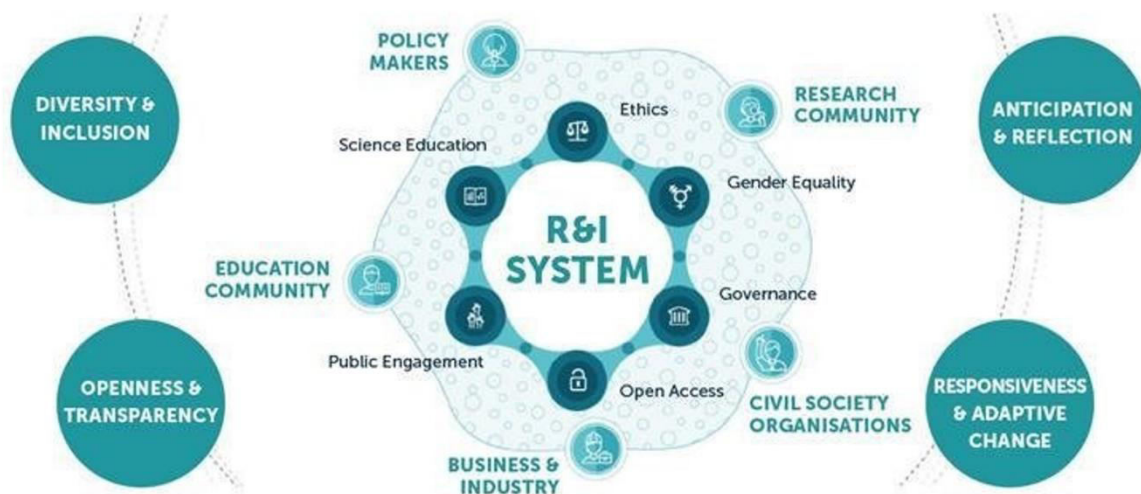
- Researchers
- Policy makers
- Educators
- Business and industry
- Civil society organization / representatives
- Citizens
- Others, namely:

Grand Challenges addressed (multiple answers possible):

- Energy transition
- Climate action, environment and resources, food agriculture
- Smart, green and integrated transport
- Sustainable Development Goals (SDGs)
- Others, namely:

Responsible Research and Innovation (RRI)

**RRI is about: including all actors,
and considering specific key issues and process dimensions**



source: www.rri-tools.eu

The concept of RRI is an approach that 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. In this frame, multiple stakeholders (from research, business, policy making, education and civil society) are involved in research and innovation on the project and system level to better align its processes and outcomes with the values, needs, and expectations of society.

A first big step was the operationalisation of RRI into the six key elements: ethics, gender equality, governance, public engagement, science education, and open access. In the following questions, we would like to know whether RRI elements were considered in your Living Lab, which challenges you faced by addressing them, and whether you can make suggestions for best practices to other [Living Labs](#).

Please answer the following questions with regard to your Living Lab related «Energy in Cities». If you are involved in more than one Living Lab related to «Energy in Cities», please refer to the one that is most suited to answer questions on RRI.

Responsible Research and Innovation (RRI): Ethics and Research Integrity

Science and society: ethical acceptability of scientific and technological developments
 Research integrity: prevention of unacceptable research and research practices

Science and society

In general, to what extent do you take measures to respect different values, interests, and ideals in your Living Lab activities?

to no extent	to a small extent	to some extent	to a moderate extent	to a great extent	to a very great extent	to a maximum extent
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Did you formulate/do you have strong guidelines protecting your principles?

Yes
 No

To what extent do you address conflicts of interest in your Living Lab activities?

to no extent	to a small extent	to some extent	to a moderate extent	to a great extent	to a very great extent	to a maximum extent
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

What (other) measures do you take to provide for the inclusion of different values, interests, and ideals in your Living Lab activities?

What measures do you take to prevent potentially harmful impacts of your Living Lab activities on the public or the environment?

Research integrity

In general, to what extent do you take measures to ensure research integrity in your Living Lab activities (i.e. to ensure that research is conducted and disseminated in line with prevailing disciplinary

standards, and in a honest, transparent, and respectful way)?						
to no extent <input type="checkbox"/>	to a small extent <input type="checkbox"/>	to some extent <input type="checkbox"/>	to a moderate extent <input type="checkbox"/>	to a great extent <input type="checkbox"/>	to a very great extent <input type="checkbox"/>	to a maximum extent <input type="checkbox"/>
To what extent do you align your practices in your Living Lab activities with the Code of Conduct for Research Integrity on all phases, from research design to reporting?						
to no extent <input type="checkbox"/>	to a small extent <input type="checkbox"/>	to some extent <input type="checkbox"/>	to a moderate extent <input type="checkbox"/>	to a great extent <input type="checkbox"/>	to a very great extent <input type="checkbox"/>	to a maximum extent <input type="checkbox"/>
To what extent do you encourage critical peer review and internal discussion on research integrity throughout the process in your Living Lab activities?						
to no extent <input type="checkbox"/>	to a small extent <input type="checkbox"/>	to some extent <input type="checkbox"/>	to a moderate extent <input type="checkbox"/>	to a great extent <input type="checkbox"/>	to a very great extent <input type="checkbox"/>	to a maximum extent <input type="checkbox"/>
Do you consult a research ethics expert or ethics committee regarding your Living Lab activities?						
<input type="checkbox"/> Yes <input type="checkbox"/> No						
What (other) measures do you take to ensure research integrity in your Living Lab activities?						
What challenges related to ethics and/or research integrity do you face in your Living Lab activities?						
RRi: Gender Equality						
Promoting gender balanced teams, ensuring gender balance in decision-making bodies, and considering always the gender dimension in R&I to improve the quality and social relevance of the results						
To what extent do you place importance on gender equality in your Living Lab activities?						
to no extent <input type="checkbox"/>	to a small extent <input type="checkbox"/>	to some extent <input type="checkbox"/>	to a moderate extent <input type="checkbox"/>	to a great extent <input type="checkbox"/>	to a very great extent <input type="checkbox"/>	to a maximum extent <input type="checkbox"/>
What measures do you take to increase gender equality in your Living Lab activities? (multiple answers possible)						
<input type="checkbox"/> None <input type="checkbox"/> Gender quota <input type="checkbox"/> Gender budgeting <input type="checkbox"/> Training and education						

Others, namely:

If none: What are the reasons why you do/did not take measures to increase gender equality in your Living Lab activities?

What challenges related to gender equality do you face in your Living Lab activities?

RRI: Governance

Arrangements that lead to acceptable and desirable futures have to

- (1) be robust and adaptable to the unpredictable development of R&I (de facto governance);
- (2) be familiar enough to align with existing practices in R&I;
- (3) share responsibility and accountability among all actors; and
- (4) provide governance instruments to actually foster this shared responsibility

To what extent do you exchange views with peers, researchers, and innovators from other disciplines regarding your Living Lab activities?

to no extent	to a small extent	to some extent	to a moderate extent	to a great extent	to a very great extent	to a maximum extent
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

To what extent do you maintain dialogue with affected groups and end users to learn about emerging needs, critique, or (changed) perspectives regarding your Living Lab activities?

to no extent	to a small extent	to some extent	to a moderate extent	to a great extent	to a very great extent	to a maximum extent
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

To what extent are you able to change the research plan in response to unforeseen results from your Living Lab activities?

to no extent	to a small extent	to some extent	to a moderate extent	to a great extent	to a very great extent	to a maximum extent
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

To what extent do you promote shared responsibility and accountability among all involved actors in your Living Lab activities?

to no extent	to a small extent	to some extent	to a moderate extent	to a great extent	to a very great extent	to a maximum extent
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

What governance instruments do you provide to foster this shared responsibility and accountability regarding your Living Lab activities?

What (other) measures do you take to ensure good governance in your Living Lab activities?														
What challenges related to governance do you face in your Living Lab activities?														
<p>RRI: Open Access</p> <p>Issues of accessibility to and ownership of scientific information. Free and earlier access to scientific work might improve the quality of scientific research and facilitate fast innovation, constructive collaborations among peers, and productive dialogue with civil society.</p>														
To what extent do you make your Living Lab activities accessible to diverse parties?														
<table style="width: 100%; border: none;"> <tr> <td style="width: 14.28%; text-align: center;">to no extent</td> <td style="width: 14.28%; text-align: center;">to a small extent</td> <td style="width: 14.28%; text-align: center;">to some extent</td> <td style="width: 14.28%; text-align: center;">to a moderate extent</td> <td style="width: 14.28%; text-align: center;">to a great extent</td> <td style="width: 14.28%; text-align: center;">to a very great extent</td> <td style="width: 14.28%; text-align: center;">to a maximum extent</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table>	to no extent	to a small extent	to some extent	to a moderate extent	to a great extent	to a very great extent	to a maximum extent	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
to no extent	to a small extent	to some extent	to a moderate extent	to a great extent	to a very great extent	to a maximum extent								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
With whom do you share the results of your Living Lab activities? (multiple answers possible)														
<input type="checkbox"/> Researchers <input type="checkbox"/> Policy makers <input type="checkbox"/> Educators <input type="checkbox"/> Business and industry <input type="checkbox"/> Civil society organization / representatives <input type="checkbox"/> Citizens <input type="checkbox"/> Others, namely:														
What (other) measures do you take to ensure open access to information about your Living Lab activities?														
What challenges related to open access do you face in your Living Lab activities?														
<p>RRI: Public Engagement</p> <p>Foster R&I processes that are collaborative and multi actor: all societal actors work together during the whole process in order to align its outcomes to the values, needs, and expectations of society</p>														
To what extent do you involve stakeholders and the public in your Living Lab activities?														
<table style="width: 100%; border: none;"> <tr> <td style="width: 14.28%; text-align: center;">to no extent</td> <td style="width: 14.28%; text-align: center;">to a small extent</td> <td style="width: 14.28%; text-align: center;">to some extent</td> <td style="width: 14.28%; text-align: center;">to a moderate extent</td> <td style="width: 14.28%; text-align: center;">to a great extent</td> <td style="width: 14.28%; text-align: center;">to a very great extent</td> <td style="width: 14.28%; text-align: center;">to a maximum extent</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table>	to no extent	to a small extent	to some extent	to a moderate extent	to a great extent	to a very great extent	to a maximum extent	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
to no extent	to a small extent	to some extent	to a moderate extent	to a great extent	to a very great extent	to a maximum extent								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
How do you involve stakeholders and the public in your Living Lab activities? (multiple answers possible)														

- Conducting outreach activities
- Communicating regularly with different stakeholders
- Requesting regularly feedback from affected actors
- Incorporating the results of public consultations in your plans
- Establishing spaces for deliberation where projects can be run collaboratively
- Others, namely:

How do you tailor your Living Lab activities to include stakeholders with different genders, ethnicities, ages, abilities, classes, routines, experiences, or levels of power? (multiple answers possible)

- Considering studies and consultations in our strategic plan
- Running open consultations and including the results in our mission
- Considering the needs of different groups in our programme development
- Adapting the language according to the target group
- Other, namely:
- We do not take any measures.

How do you ensure that stakeholders and the public understand and accept their roles and the objectives of their engagement in your Living Lab activities? (multiple answers possible)

- Providing clear statements about their roles and what they can expect from the results
- Making guidelines on this topic available
- Giving briefings about public engagement to explain its benefits
- Negotiating with stakeholders and members of the public on their preferred roles and objectives
- Other, namely:
- We do not take any measures.

What (other) measures do you take to increase public engagement in your Living Lab activities?

What challenges related to public engagement do you face in your Living Lab activities?

RRi: Science Education

Focus on (1) enhancing the current education process to better equip citizens with the necessary knowledge and skills so they can participate in R&I debates; and (2) increasing the number of researchers (promote scientific vocations)

How do you enhance current education processes to better equip citizens with the necessary knowledge and skills so they can participate in R&I debates? (multiple answers possible)

- Utilising a variety of media
- Adapting text according to target groups
- Modifying styles and formats according to target groups
- Using different outreach channels (including innovative science communication formats)
- Conducting assorted outreach events
- Other, namely:
- We do not take any measures.

What (other) measures do you take to foster science education related to your Living Lab activities?
What challenges related to science education do you face in your Living Lab activities?
Best Practices in your Living Lab
From your point of view, what are best practices in RRI applied in your Living Lab(s)?
Further comments
Do you have any other comments or thoughts that you would like to share? Please write them here:
Interest in further exchange
Are you interested in further exchange about the application of RRI elements in Living Labs? <input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, please indicate your e-mail address so that we can contact you for further exchange:
You have reached the end of the survey. Thank you very much for participating!