



Methoden und Werkzeuge zur Verbreitung verantwortungsvoller Forschung

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ZENTRUM FÜR SOZIALE INNOVAITION



ZSI Zentrum für Soziale Innovation verbindet

- Wissensgenerierung und Wissensanwendung
- Wissenschaft und Praxis
- Wissenschaftsbereiche – Interdisziplinarität
- Wissenschaftliche und außerwissenschaftliche Bereiche - Transdisziplinarität

Wir involvieren Personen, die von Forschung betroffen sind.



Vienna, Austria

...conduct science and innovation towards more socially desirable and sustainable ends incorporating social perspectives along the way.

(RRI Tools / Athena w-i-p definition)

EPSRC

Engineering and Physical Sciences
Research Council

**ANTICIPATE, REFLECT, ENGAGE AND
ACT (AREA)**



PROCESS REQUIREMENTS

ANTICIPATE

- imagining possible & desirable futures
- understanding how present dynamics shape the future

PROCESS REQUIREMENTS

REFLECT

- purposes, motivations, values and assumptions (at individual and institutional level)

Not only talking about risks to make sure there will not be obstacles to the research...

PROCESS REQUIREMENTS

ENGAGE

Inclusion: Involvement of wide range of stakeholders (when, who and how)

Diversity: Variety of interests, values, perspectives, backgrounds.

Meaningful openness: inform but also adapted to make sure it has meaning.



ACT

Responsiveness: listen to different perspectives and being opened → co-creation and integration

Adaptive change: translation into actions (should be explicit at the beginning) → at individual, institutional and system level

FROM SCIENTISTS RESPONSIBILITY TO COLLECTIVE RESPONSIBILITY

(Society into the research process)



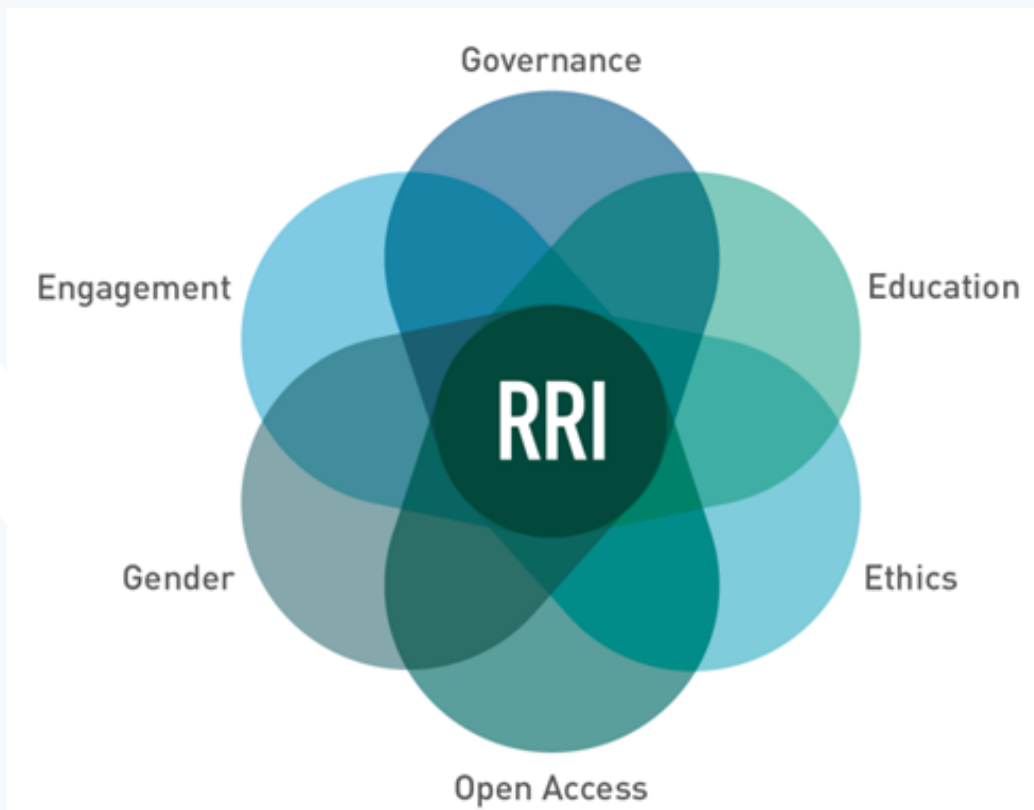


4 P's: Product, process, purpose, people.

(Stahl)



Policy Agendas (called key dimensions by EC)



Challenges

- Ich agiere bereits verantwortlich!
- Kein natürlicher Feind, “who would be irresponsible”?
- Spannungsfeld Freiheit der Forschung und Forschung FÜR Gesellschaft
- Mangelndes Wissen, Awareness und auch Kapazitäten für RRI
- Diversität der Bereiche und Dimensionen, Regionen etc.
- Was ist ein tool? Welche werden von wem gebraucht?

RRI Tools will help transform Research and Innovation in Europe into a process targeted at the grand challenges of our time (**science for society**)

where deliberation and reflection are coupled with action (**science with society**)

by training science leaders in the RRI process and by raising awareness of the concept through Europe.

From the DoW



Responsible Research and Innovation



**INNOVATIVE
TOOLS**

**TRANSFORMATIVE
TRAINING**

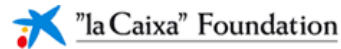
**WIDE
DISSEMINATION**



Fostering Responsible Research and Innovation

The Management Board

Coordinator



WP2 Leader



Deputy Coordinator



WP4 Leader



Hubs Coordinator



WP5 Leader



WP1 Leader



WP6 Leader



Technological Partner



Networks



Living Knowledge
The International Science Shop Network



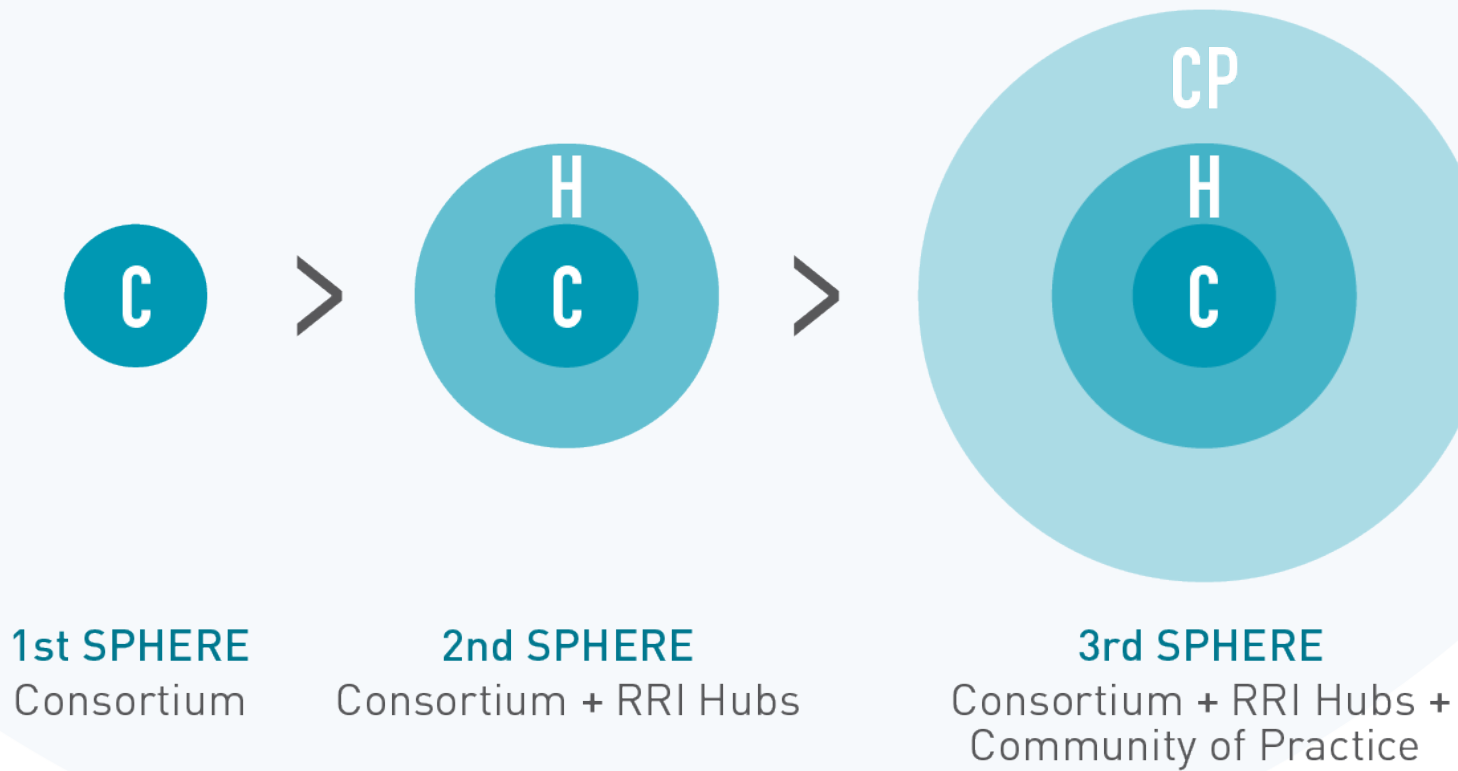
Hub Leaders

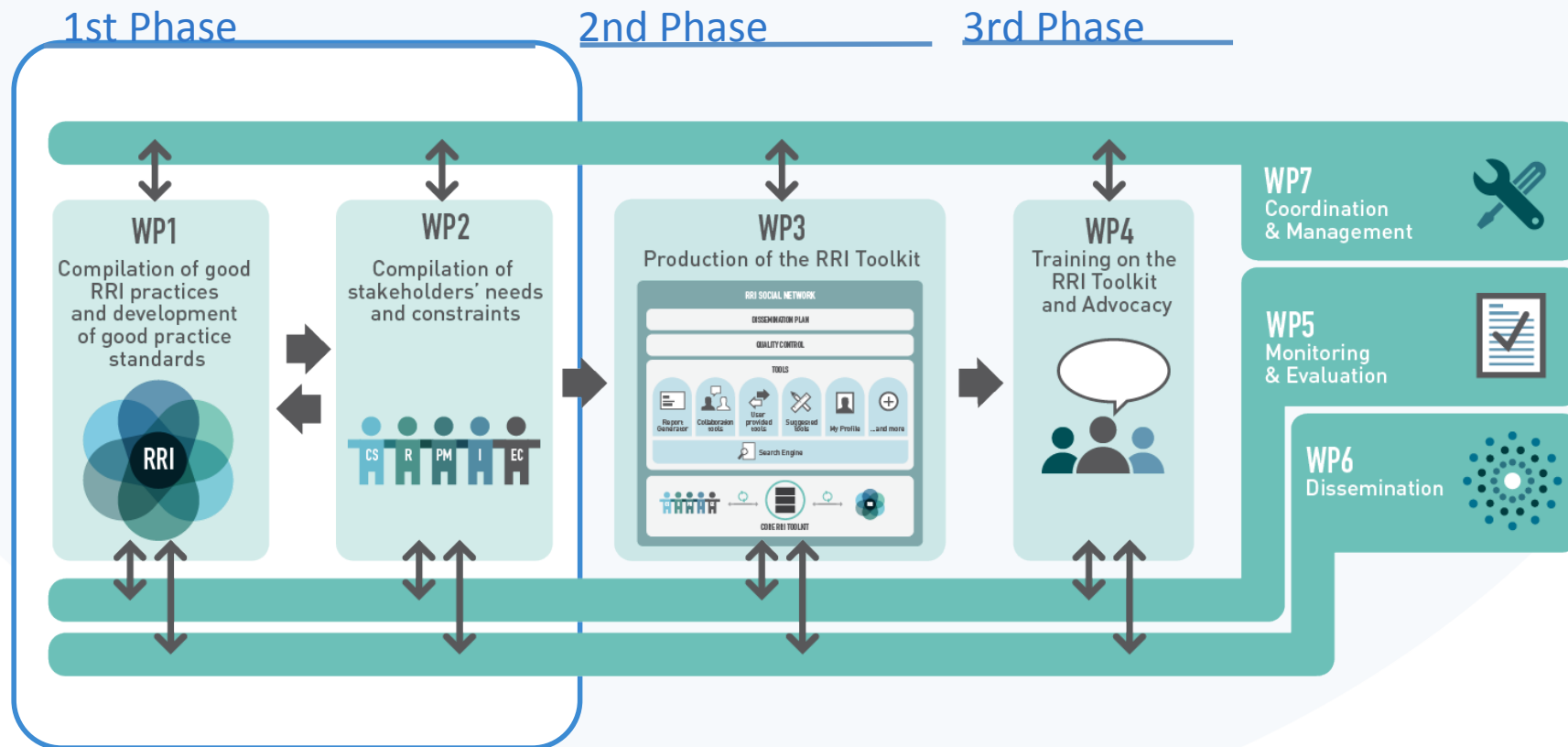


19 Hubs operating in 30 countries



The Community of Practice (CoP)



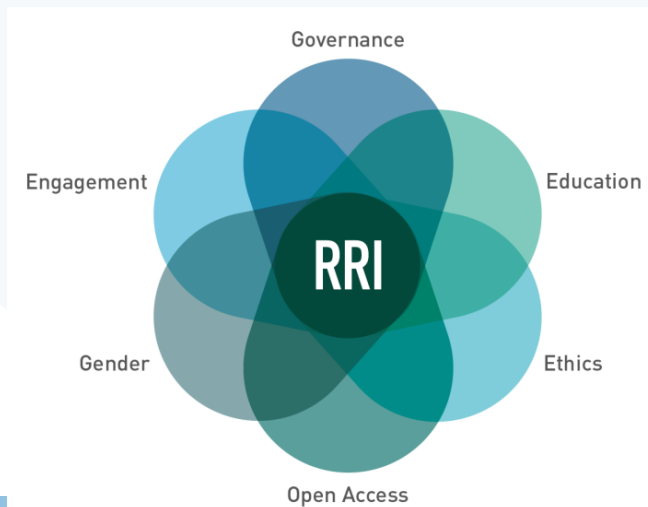


1st Phase: Analysis

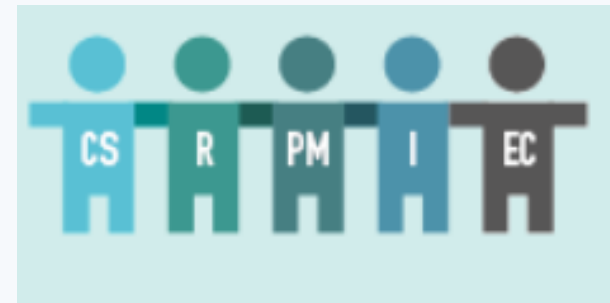
The first objective of the project will be to gather all relevant knowledge about RRI, establish a common, working definition for it and test it in an iterative process with the wide range of stakeholders that will be part of the project

WP1: Compilation of good practices and development on good practice standards

WP2: Assessing the needs and constraints of RRI Stakeholders



RRI KEY COMPONENTS



What is a *tool* in RRI Tools?

1. **Self-assessment tools:** To auto evaluate performance on RRI
2. **RRI Digital capsules:** From text to video, guidelines on specific actions to “become RRI”
3. **Good Practice Standards:** Good practices with guides for application
4. **Training and advocacy resources:** Sets of instructions for trainers of the toolkit
5. **Library:** A repository of reports, papers, handbooks, books... on RRI.
6. **Dissemination materials** Leaflets, posters...etc

ECSITE workshop

Are we successful at **involving different stakeholders** in the debate on emerging technologies?

initiatives nanOpinion, PERARES, VOICES

Results of the reflection exercise



Which stakeholder group are being less engaged?

Non organised Society Groups

NEET – not employed, poorly educated, not participating in LLL

Wider industries -> maybe network/professional associations to reach more professionals more quickly

Senior, elder people

Policy makers

Citizens at large

Inclusion: Who, when, and **how**?

Meaningful Openness: what **target group tailored/oriented** channels, activities do you provide?

Diversity: Diversity in terms of project team? Advisory board? Target groups? Stakeholders involved? Methods applied? Communication channels offered?

Anticipation: What is the difference to adaptive change? Is anticipation the attitude and adaptive change how the project/activity reacted? Or anticipation: what might be in the future = vision? Or how stakeholders would react, or we would like they would react? Or how we allow target groups to express **their** anticipations?



Adaptive change: Which change should be acquired? Or how the project reacted on feed back?

Reflexivity: does the project applie reflexive loops or do you reflect afterwards lessons learned, if yes, which? Does the project integrate boards, reviews etc. for reflection? On what exactly should be reflected? Attitudes, methods...?

Responsiveness: Does the activity respond to the call, the objectives the requirements of the client? Does it respond to needs of target groups? Does it respond to “emerging Knowledge, perspectives, views and norms”? Does it provide mechanism to allow for response, such as feedback, involvement in development? Or does it **react** to requirements and needs?



Stakeholder consultation Workshops (Österreich und Slowenien ZSI)

Herbst 2014

Definition und Best practise (WP 1) – Vormittag

Needs und Tools (WP2) – Nachmittag

Tools, Materialien und Training, CoP 2016....



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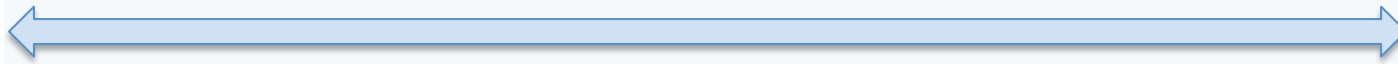
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1. Do you agree on the 7 key features approach?

NO



YES

