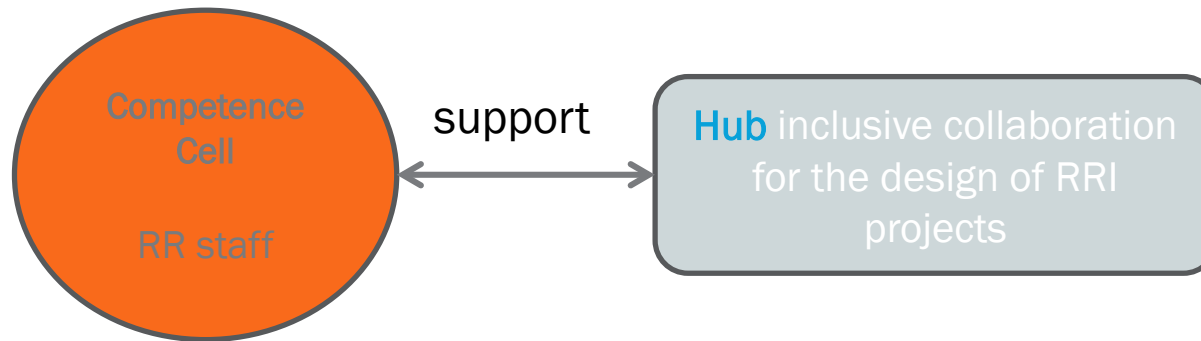


Possible economic models for RRI practices

Session: How can Responsible Research and Innovation move from a concept to real change?

FOTRRIS: FOSTERING A TRANSITION TOWARDS RESPONSIBLE RESEARCH AND INNOVATION SYSTEMS



Main questions are:

- How to ensure the economic sustainability of the competence cell?
- &
- How to remunerate or compensate the actors that work in the hub?

RRI: VARIOUS DEFINITIONS, VARIOUS PROCESSES AND OUTCOMES

Following the European Commission

- Engagement
- Ethics
- Gender equality
- Governance
- Open access
- Science education

Following Stilgoe et al. (2013)

- Anticipation
- Inclusion
- Reflexivity
- Responsiveness

Following von Schomberg (2013)

RRI as a transparent, interactive process by which societal actors and innovators become mutually responsive to each other with a view to the (ethical) acceptability, sustainability and societal desirability of the innovation process and its marketable products (in order to allow a proper embedding of scientific and technological advances in our society)

FROM RRI TO RRI PRACTICES


Governance:

- Level
- By whom?
- Inclusion
- Anticipation, reflexivity, responsiveness
- Objectives (outcomes):
 - Grand societal challenges

Process:

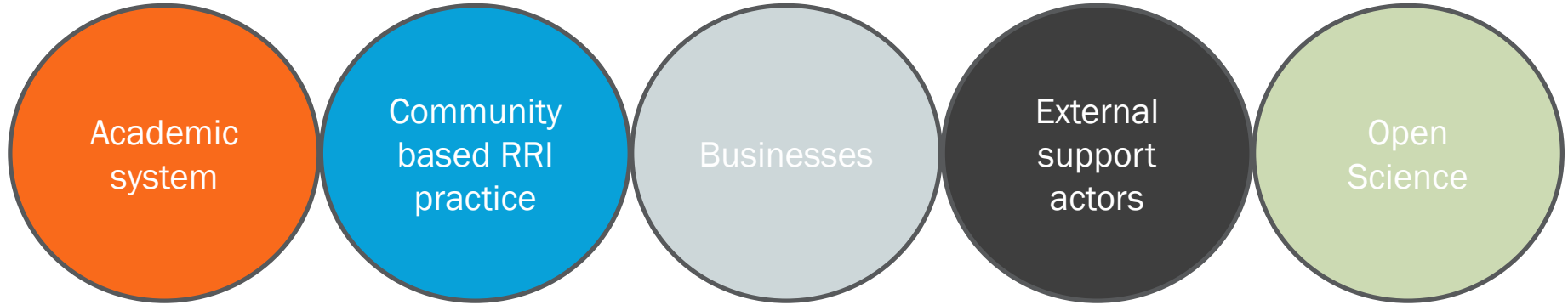
- Research / Innovation
- By whom?
- Inclusion/ open science / citizen science
- Ethics (responsibility, desirability, sustainability, acceptability, ethics)
- External support

Science education and access to knowledge:

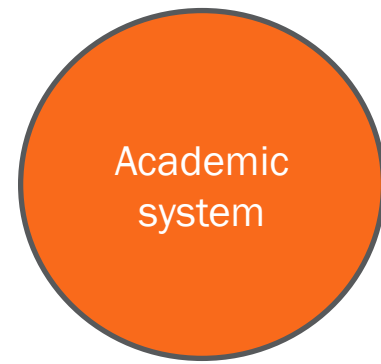
- Level
 - By whom?
 - Inclusion
 - Open access / data / knowledge
- 

WHERE IS RRI PERFORMED AND BY WHOM?

Is RRI the sole responsibility of researchers, of the academic system, of the State?



ECONOMIC MODEL




Redirecting the flow of fundings towards RRI

- National RRI frameworks
 - UK. Engineering and Physical Science Research Council
 - Netherlands. Netherlands Organisation for Scientific Research.
- Insider RRI organisations
 - Model of certain Science Shops or FabLabs
 - Hubs emerging from H2020 projects
 - Fraunhofer RRI hub
- Research communities
 - Future Earth network and research programme

ECONOMIC MODEL


Hybrid model

- Communities of practice that rely on public or private funding and profits
- Much like most Fablabs
- Crowdfunding as a possibility
- Commons movement



Community
based RRI
practice

ECONOMIC MODEL



External
support
actors

New economic actors that help innovative businesses to respect RRI criteria.

- Private or hybrid model
- SoSciences: helping social entrepreneurs with RRI

KEY POINTS

- Even if RRI is (also) about Open access, the RRI movement has not yet built on the current transformation of Science through digital innovation (Open Science, Citizen science, Open access, Open knowledge)
- For sure, to make RRI moving from a concept to real change, support from the State and academic system would be ideal.
- However, building new/hybrid models of science would ensure that the RRI movement continues, even if the fashion vanishes at EU or state level.

KEY MESSAGES

There are many ways of doing RRI

In order to produce more RRI outcomes, a social entrepreneur perspective can help to build new economic models outside the academic system, which reveals itself hard to change.



THANK YOU FOR YOUR
ATTENTION

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