



MARIE
Interreg Europe



European Union
European Regional
Development Fund

Responsible Research and Innovation (it's what we do)

Giulia Bubbolini

CISE, Emilia Romagna, Italy

6th February 2019 | Bucarest

A (more or less) shared definition

“Responsible innovation is 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)”

Von Schomberg

*A few problems: Top-down definition,
Developed by researches and politicians,
Mainly applies to tech innovation, Complicated and costly
for enterprises*



RRI dimensions, keys, objectives and “sister” concepts

Anticipation (envision the future) – Reflexivity (scrutinize your approach and beliefs) – Inclusion & Deliberation (engage stakeholders and enable them to participate) – Responsiveness (willingness and capacity to change along the way)

Public engagement – Open access – Gender – Ethics –
Science education – Governance

Grand societal challenges (H2020) and
Europe 2020

UN 2030 SDGs

Social Innovation – Sustainable Innovation
– Frugal Innovation



A classification of RRI indicators (based on Stahl et al. 2017)

| RI Category | RI Component |
|--|---|
| <i>Purpose (motivation)</i> | Motivation for doing/supporting research/innovation Motivation for engaging with RI Ethics (justification of intended outcomes) |
| <i>Process (activities to be undertaken)</i> | Anticipation Public engagement & Responsiveness Reflection Governance Ethics (deontology) |
| <i>Product (outcomes)</i> | Gender/equality and diversity Open access UN Development Goals |

Rome wasn't built in a day. Moreover, all roads lead to Rome

Policy makers: build on your RIS3 and multiply the value of each € invested in innovation, by impacting on the environment and the society. Sexy, huh?

Enterprises: seize the opportunity to be more competitive in the long run: go green, go social... just do it!

Social and sustainable innovation are more common approaches with enterprise and, besides providing evidence of results, they are a source of good practices and a possible stepping stone to responsible innovation

Citizens: participate with an open mind, demand to be informed and have a say. Militant “everything-was-then”, Please, abstain. Like, seriously.

Students: you are skilled and invested in the future, you MUST be thrilled about RRI!



A couple of minutes about MARIE





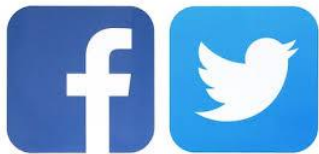
MARIE
Interreg Europe



European Union
European Regional
Development Fund

Thank you for your attention!

<https://www.interregeurope.eu/marie/>



@MARIEInterreg