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# Societal engagement in Horizon 2020

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**Colombe WARIN**  
European Commission

*Research Executive Agency*

*B5 - Spreading Excellence, Widening Participation,  
Science with and for Society*

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## Content

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# Horizon 2020

Framework Programme for Research & Innovation

Budget: € 86 billions - Duration: 2014-2020

Science With and For Society (Swafs) aims to build effective **cooperation between science and society**, to recruit new talent for science and to pair scientific excellence with social awareness and responsibility.

**Budget: € 109 mil.**

# Responsible Research Innovation

## DEFINITION

RRI 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) outcomes and impacts.

⇒ The European Commission favours a **process-oriented approach** considering 5 keys of RRI:

- engagement
- science education
- open access
- ethics
- gender



# SwafS and RRI

**The World is changing fast:** United States of America, Turkey, Middle-East, China, North-Korea, ...

**Europe and European societies are changing:** Brexit, Juncker's White Paper on the Future of Europe, Member States and populism,...

## Societal Engagement

Societal Engagement in Horizon 2020 is about bringing on board the **widest possible diversity of actors** to participate in and deliberate on matters of science, research, technology and innovation:

=> **Multi-actor engagement**

=> **Citizen engagement**

## Citizen Science

From being **better informed about science**, to **participating in the scientific process itself** by observing, gathering or processing data.

Citizen science projects have the potential to **keep public authorities accountable**, influence the way they spend public funding, and inform them about community priorities and needs.





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# Open Innovation

..... engaging more with citizens, users, investors, businesses and business associations in a **structured dialogue**, and not only with universities and research-performing organisations.....

# Open Science

Open Science also aims to encourage the inclusion of **the general public**, in the scientific process:

Example : **DITOs (Do It Together Science)** is about moving from a model in which scientific research and innovation is mainly driven by scientific/professional institutions to one based on active public participation with various levels and strategies of engagement in the scientific process.



# The Council (Competitiveness) 26-27 May 2016

encourages the Commission to step up its efforts **to bring science closer to the citizens and to involve citizens and civil society more in the strategic agenda-setting of R&I priorities at EU level**, including in Horizon 2020 advisory and expert groups.

# GARRI measures

## Developing governance for the advancement of Responsible Research and Innovation

### *OBJECTIVES*

How to ensure that outcomes resulting from R&I correspond to the needs of the various societal actors?

How to align the R&I outcomes to the values, needs and expectations of European society?

### *ACTIVITIES*

Fostering RRI uptake in current research

Promoting ethics in research

Underpinning innovative approach to release and disseminate research results

**Budget: € 17 mil.**



# GARRI-1

**AIM:** fostering RRI update in current research and innovation systems by **addressing barriers to the implementation of RRI in research and innovation practices** (i.e. develop roadmaps, policy agendas, networks, etc.)

**IMPACT:** leading to **structural changes** in current research and innovation policies and systems, setting best case examples and implementation standards for industry.

# PROSO

- **GARRI call 2014**

- 5 projects awarded:

FoTRRIS

TRUST

PRINTEGER

FutureTDM

- **PROSO**

- Title: Promoting societal engagement under the terms of RRI
- Start date: 1/1/2016
- Duration 26 months
- Budget: € 1,414,814



# Key challenges

Societal engagement is a key field of research and experimentation in Europe but there are some discrepancies among countries.

Example:

**Future TDM** looks in depth at the text and data mining landscape in the EU to help pinpoint why uptake is lower, to raise awareness of TDM and to develop solutions: <http://project.futuretdm.eu/>



# Conclusion

- **Rules & Regulations:** provide formal rules for SE to make it obligatory at EU-level
- **Infrastructures:** Strengthen infrastructures for the implementation of SE activities
- **Funding & Incentives:** Give time and resources for all actors and open up the academic system (reward structures, remove organisational barriers)
- **Communication & Promotion:** Change the culture of engagement
- **Research:** Support research on (long-term) evaluation of SE



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**Thank you  
for your attention**

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