



# **Science in Society (SiS) Programme**

## **Responsible Research and Innovation (RRI)**

**Daniel Spichtinger**

**EC DG RTD-B6 "Ethics and Gender"**

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# Disclaimer

*This presentation is for general information only.*

*The European Commission does not assume any responsibility for the views and opinions expressed in this document.*



# Introduction : Main Milestones (I)

*2000 Science, Society and the Citizen in Europe*

*2001 Science and Society Action plan*

*2002 Science and Society (FP6)*

*2007 Science in Society (FP7)*

*2008 Code of Conduct Nanotech*

*2011 Proposal for Horizon 2020*

*2014 Horizon 2020 starts*



# Introduction (I): Towards Responsible R&I

*Responsible Research and Innovation (RRI): six dimensions*

- People and civil society's engagement
- Gender in research content and in careers
- Open Access to research results
- Science education
- Ethics
- Governance framework

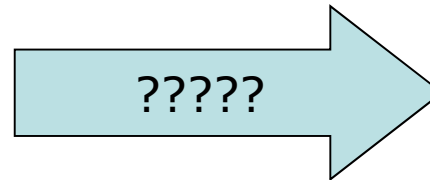
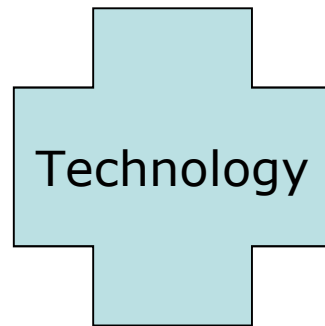


# Introduction (II): Towards Responsible R&I

*The 2013 SiS WP will focus on the following RRI aspects:*

- ⑩ Engaging societal actors in the research and innovation process, shaping governance for RRI and creating equal conditions for citizen's engagement
- ⑩ Modernizing research institutions to promote gender equality
- ⑩ Equipping through education future researchers and other societal actors with the necessary knowledge and tools to full participate and take responsibility in the research and innovation process

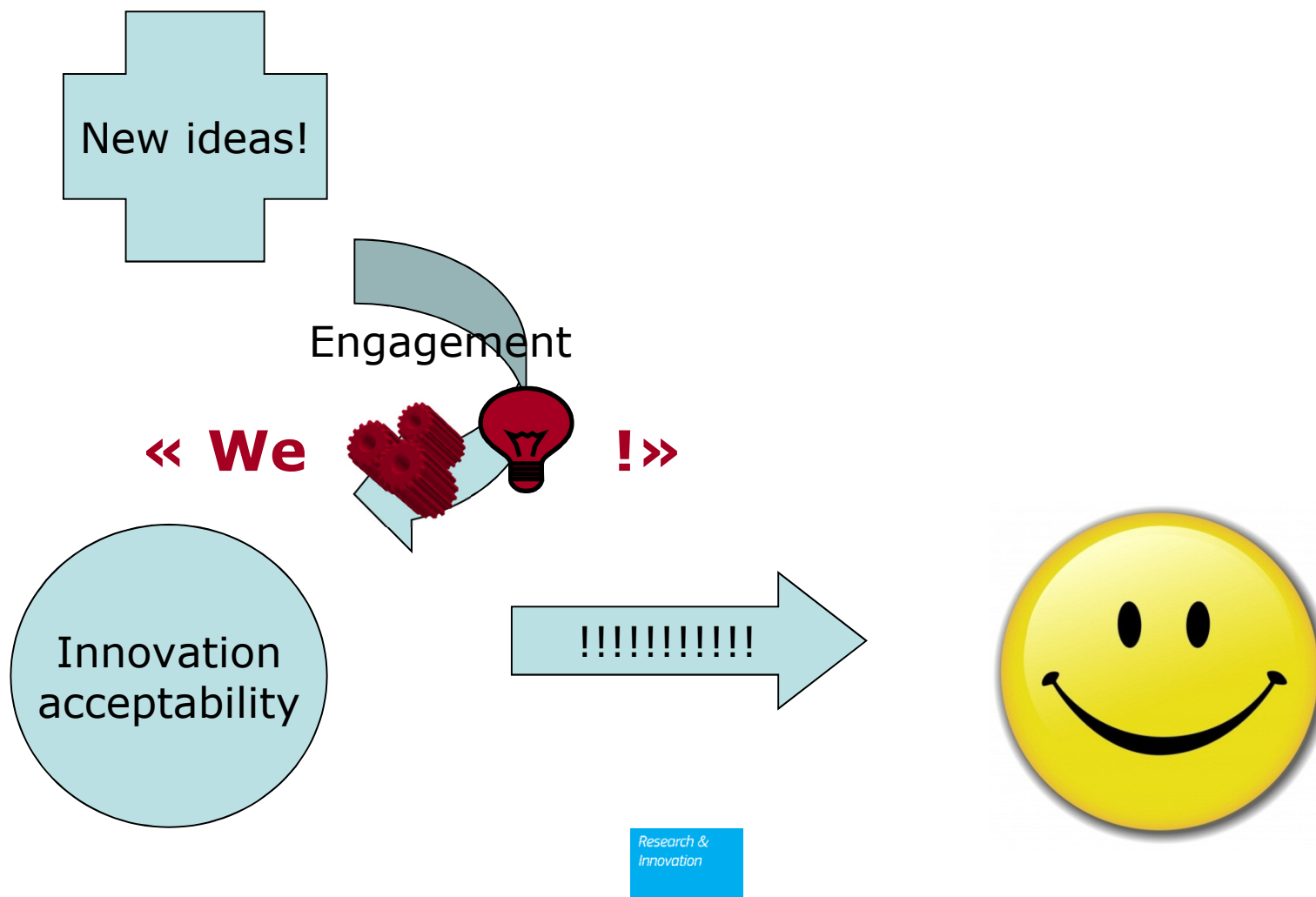
# 'Technology acceptance' rationale



Communication



# 'Innovation acceptability' rationale



# New Approach, New Tools

## *Mobilisation and Mutual Learning Action Plans*

A mechanism to proactively forge partnerships with complementary knowledge and experience

Include work packages on dialogue and participation, communication, evaluation, policy watch, sustainability

At least 10 independent legal entities

At least 3 years

***Versatility:  
second to none! Except...***





## Expected impact

- *to make research and innovation more attractive for developing careers (for men and women)*
- *To enable citizens (and all other stakeholders) to be better informed, to better understand and to participate more comprehensively and efficiently in the research and innovation processes.*



# Science in Society Budget

*Evolution of the budget:*

*2009: € 34.5 million (€31.8 for the calls)*

*2010: € 51.5 million (€46.6 for the calls)*

*2011: € 45.9 million (€43.3 for the calls)*

*2012: € 45.69 million (€ 37.4 million for the call)*



## 2012 Policy Context (I)

SiS WP aligns with and contributes to the objectives of Europe 2020 (growth and job creation), the innovation union and other EU policies.

Societal engagement necessary to address the societal challenges listed in Europe 2020

Innovation Union: involvement of citizens can ensure public trust

focus on the citizen as being at the core of all EU policies (Barroso 2009)

European Research Area rooted in society



# 2012 Policy Context (II)

Bridging with Horizon 2020

"informed engagement of citizens and civil society"

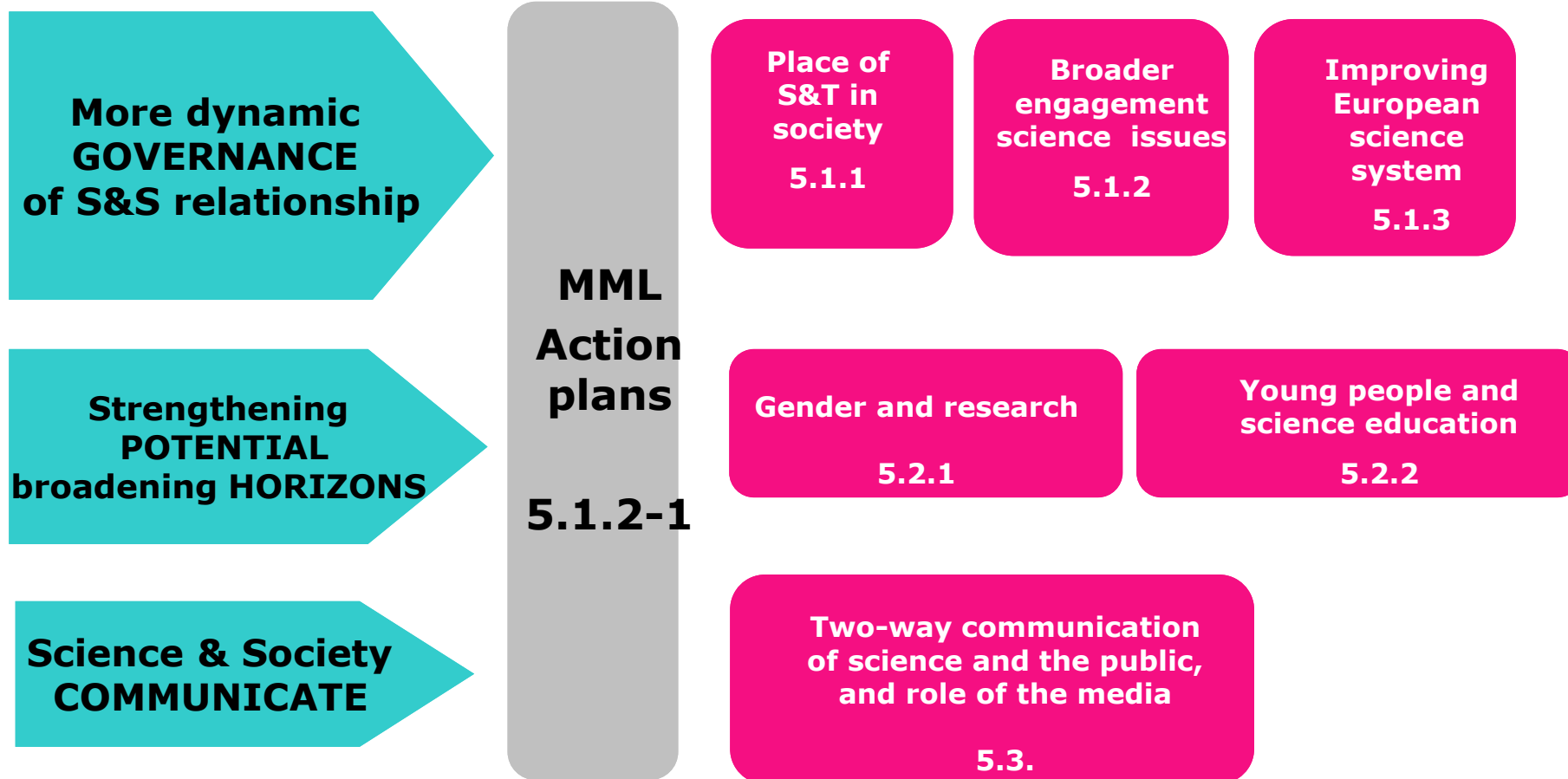
Vertical & horizontal connection

Process of Horizon 2020 development is now in the  
Parliament and the Council

## Overall SiS-WP Structure

3 action lines

6 activities + 1





# Overview (I)

Action Line I: More dynamic governance

## **Activity 5.1.1. Better understanding of the place of science and technology in society**

Area 5.1.1.1. Relationship between science, democracy and law

## **Activity 5.1.2. Broader engagement to anticipate and clarify political, societal and ethical issues**

Mobilisation and Mutual Learning Action Plans (MMLAP)

## **Activity 5.1.3. Strengthening and improving the European Science System**

Area 5.1.3.3. Encouraging the debate on information dissemination, including access to scientific results



## Overview (II)

### Action Line II: Strengthening potential, broadening horizons

#### **Activity 5.1.2. Gender and research**

Area 5.2.1.1. Strengthening the role of women in scientific research

#### **Activity 5.2.2. Young people and science**

Area 5.2.2.1 Supporting formal and informal science education in schools as well as through science centres, museums and other relevant means

Area 5.2.2.4. Research and coordination actions on methods in science education

### Action Line III: Science and society communicate

Not implemented through calls for proposals

## 2011 A proposal for Horizon 2020

Responsible Research and Innovation

### *Three priorities*

- (a) Excellent science, EUR 27818 million;
- (b) Industrial leadership, EUR 20280 million;
- (c) Societal challenges, EUR 35888 million.

Ensuring societal engagement in research and innovation

**SiS legacy**





## 2011 A proposal for Horizon 2020

Responsible Research and Innovation

*SiS disappeared as such but... Responsible Research and Innovation emerges as a governance concept and a cross-cutting requirement.*





## 2011 A proposal for Horizon 2020

Responsible Research and Innovation

*"Horizon 2020 will support the six keys to responsible research and innovation [...] and will highlight responsible research and societal engagement throughout the programme."*

*Máire Geoghegan-Quinn, Odense, 23/04/2012*





# 2013 A Recommendation on RRI

*Promoting Responsible Research and Innovation:*

*'A Commission Recommendation on RRI'*

*Public consultation 2012*

*Adoption planned early 2013*

**RRI:** <http://ec.europa.eu/research/science-society>



# Thank you for your attention!

***More information:***

*HORIZON 2020*

[http://ec.europa.eu/research/horizon2020/index\\_en.cfm](http://ec.europa.eu/research/horizon2020/index_en.cfm)

*SCIENCE IN SOCIETY PORTAL (EUROPA)*

[http://ec.europa.eu/research/science-society/home\\_en.cfm](http://ec.europa.eu/research/science-society/home_en.cfm)

*EUROPEAN RESEARCH AREA*

[http://ec.europa.eu/research/era/index\\_en.htm](http://ec.europa.eu/research/era/index_en.htm)