



The EU Framework Programme for Research and Innovation

HORIZON 2020

Information Session on the SSH Opportunities in H2020

Brussels, 19/01/2016

Bogdan Birnbaum and Tobias Strom

Unit B6 – Reflective Societies – DG RTD



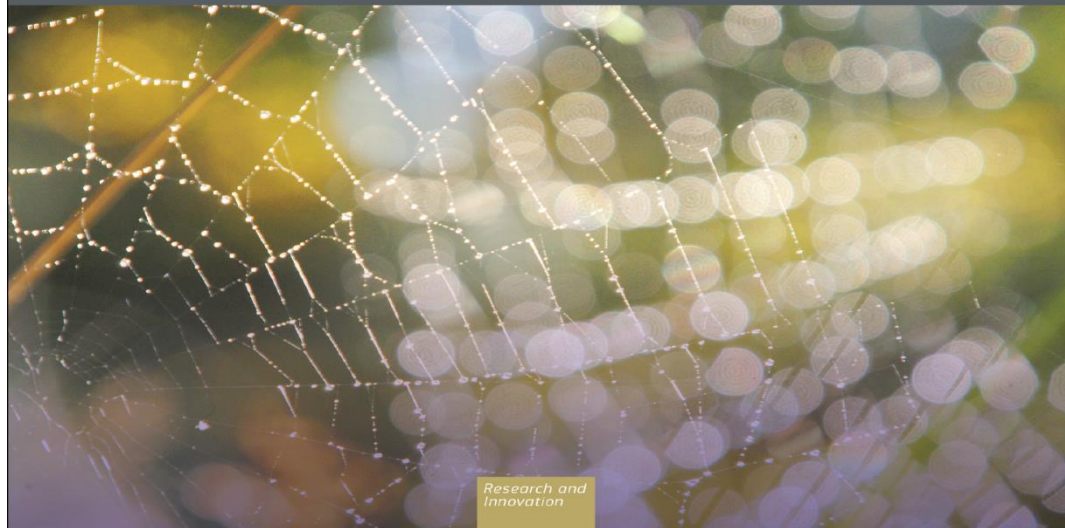
"Technique works, and since its functioning becomes planetary, [however] it is necessary to look at the concepts of the individual, identity, freedom, truth, meaning and purpose, but also those of nature, ethics, politics, religion and history (...)"

The transformation of technique from "mean" into "end"?
Umberto Galimberti, Italian philosopher



INTEGRATION OF SOCIAL SCIENCES AND HUMANITIES IN HORIZON 2020: PARTICIPANTS, BUDGET AND DISCIPLINES

Monitoring report on SSH-flagged projects funded in 2014
under the Societal Challenges and Industrial Leadership

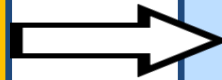


Research and
Innovation

<http://ec.europa.eu/programmes/horizon2020/en/news/integration-social-sciences-and-humanities-horizon-2020-participants-budget-and-disciplines>

7th Framework Programme (FP7)

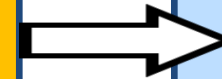
Programme dedicated to SSH



Horizon 2020

1) SSH is a
cross-cutting issue
2) Societal Challenge 6

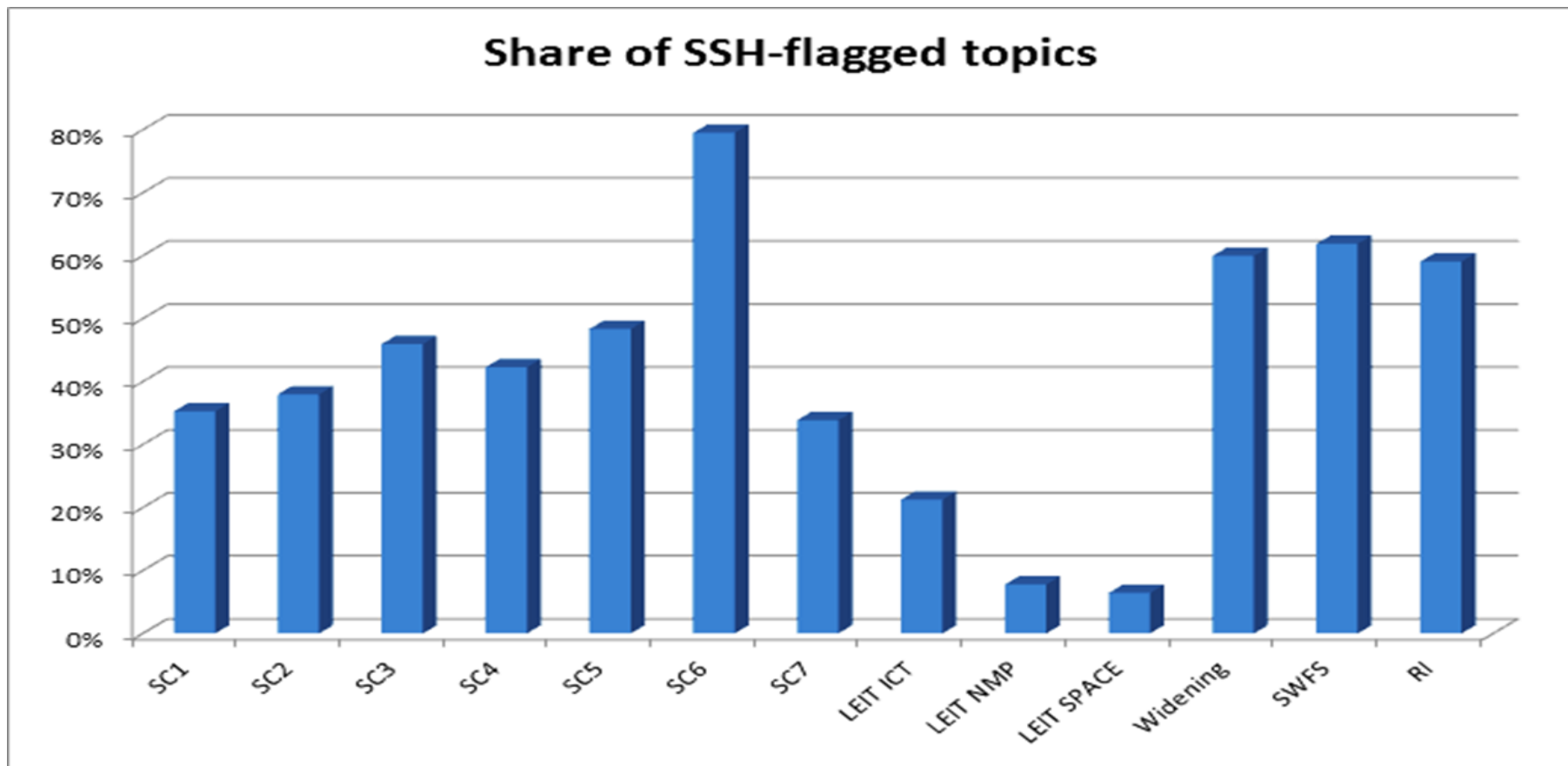
No reference in the
evaluation criteria to
disciplines working together



Inter-disciplinarity
is part of the evaluation criteria
(Excellence)

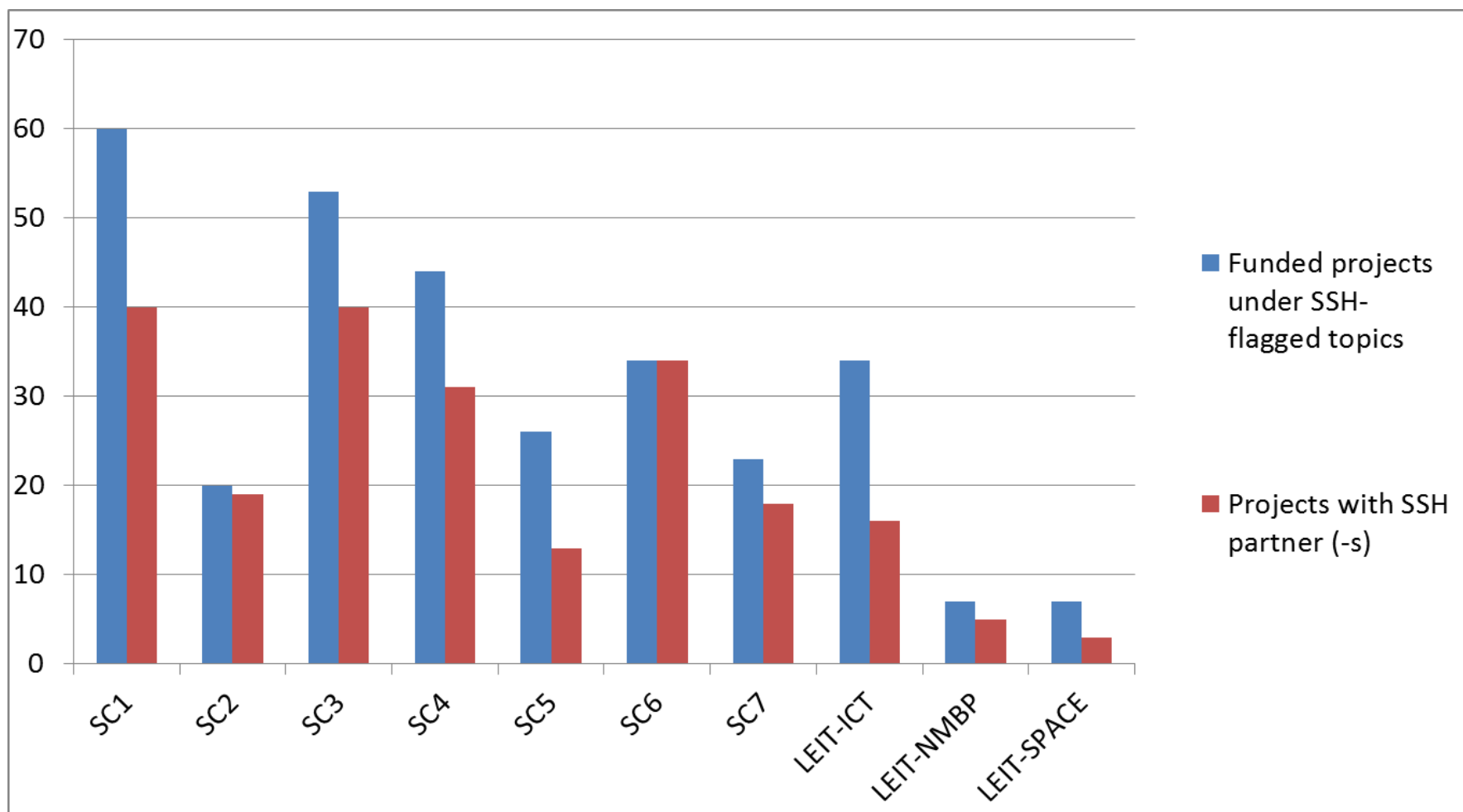
FIRST RESULTS IN 2014 – OVERVIEW

Integration of SSH in the WP 2014-2015

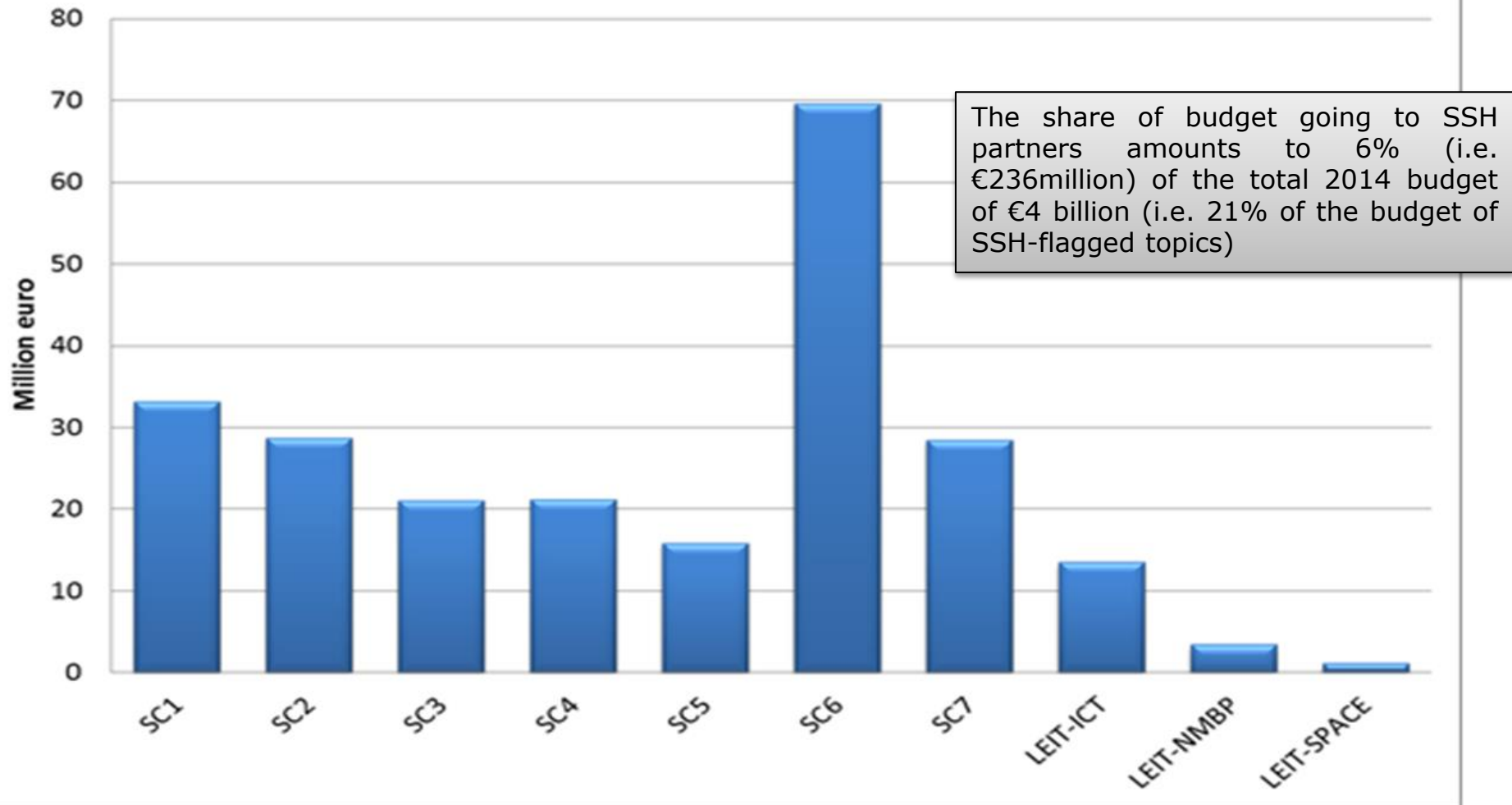


Overall, 37% of topics were 'flagged' for SSH

Involvement of 921 SSH partners in 219 projects in **2014**



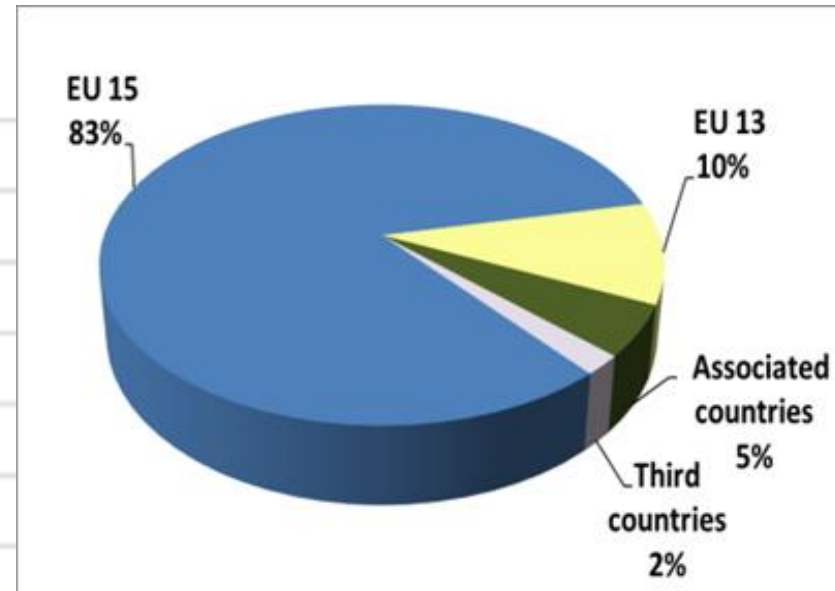
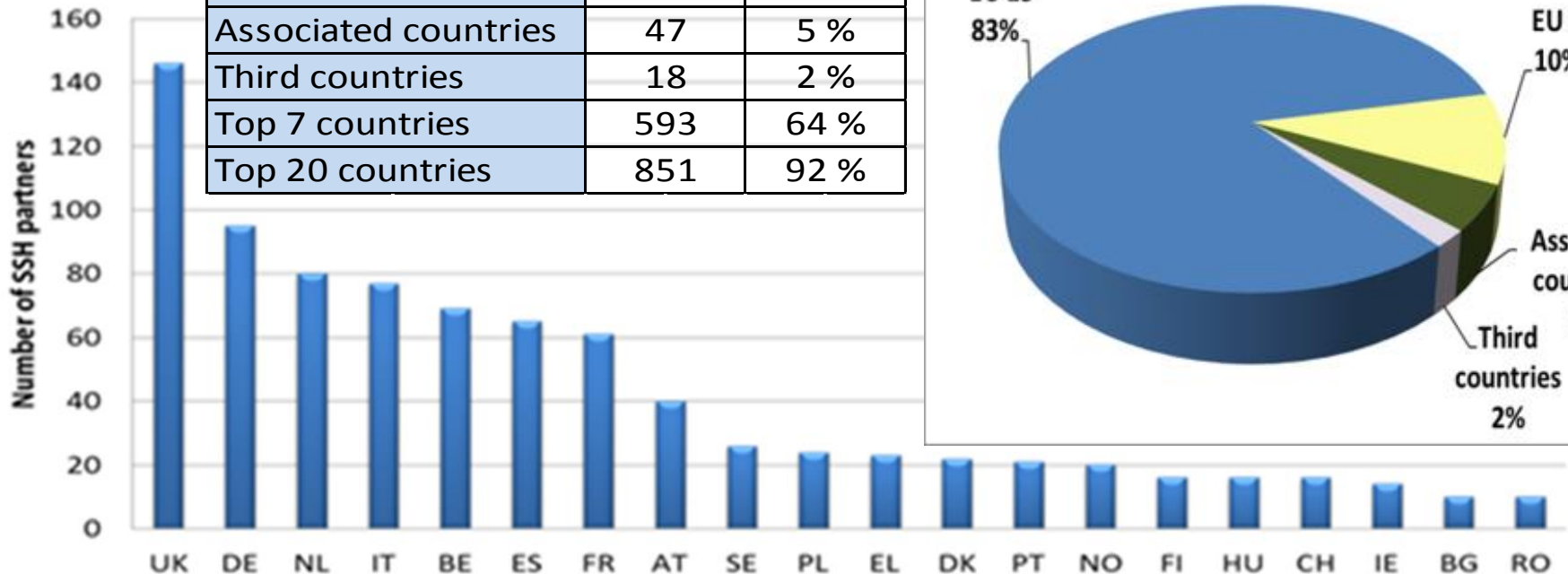
Budget going to SSH in 2014: €236 million



SSH partners by country in 2014

**Country affiliation of SSH partners:
Sub-groups**

| | Partners | Share |
|----------------------|----------|-------|
| Total | 921 | 100 % |
| EU-28 | 856 | 93 % |
| EU-15 | 762 | 83 % |
| EU-13 | 94 | 10 % |
| Associated countries | 47 | 5 % |
| Third countries | 18 | 2 % |
| Top 7 countries | 593 | 64 % |
| Top 20 countries | 851 | 92 % |



Quality of SSH integration in projects funded under SSH-flagged topics in 2014

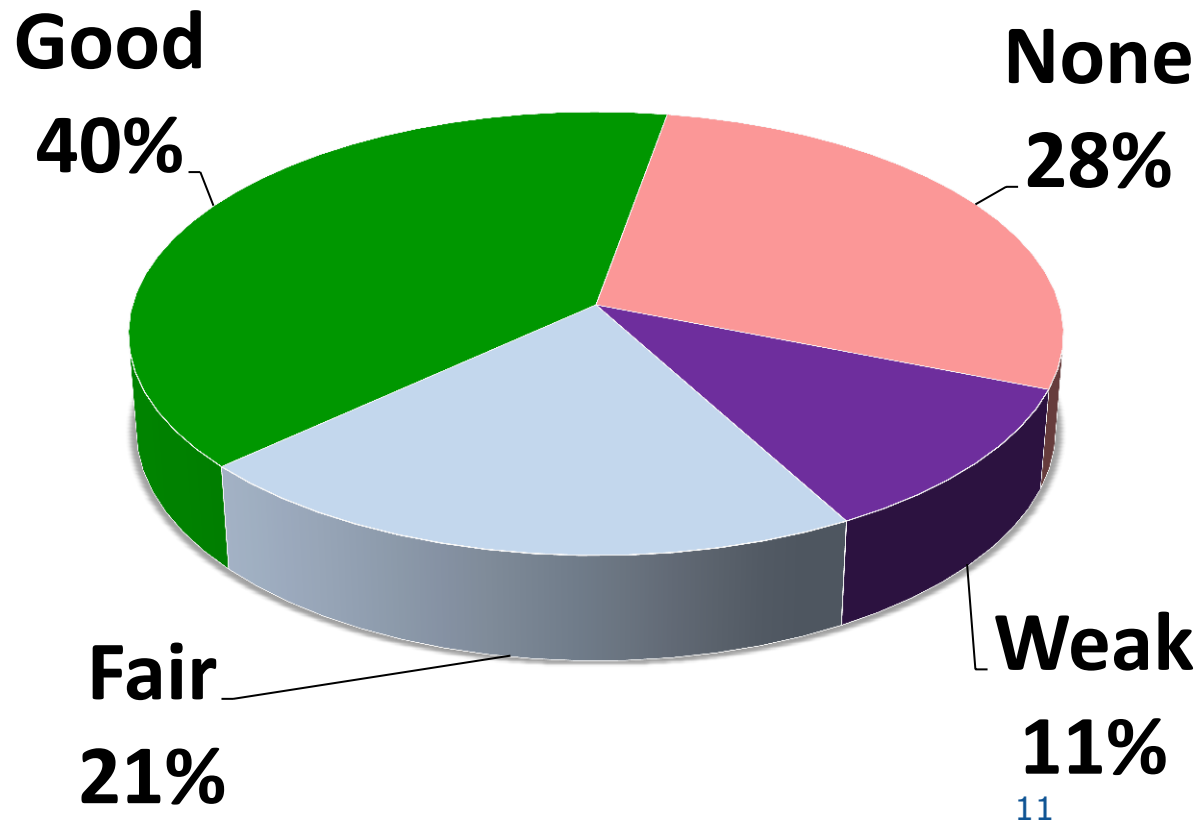
This indicator aggregates the performance of each project along four dimensions :

- Share of SSH partners
- Budget going to SSH
- Contributions from SSH are well integrated in project abstract, keywords, work packages and deliverables
- Contributions from SSH came from at least two distinct SSH disciplines

The quality of SSH integration in each project :

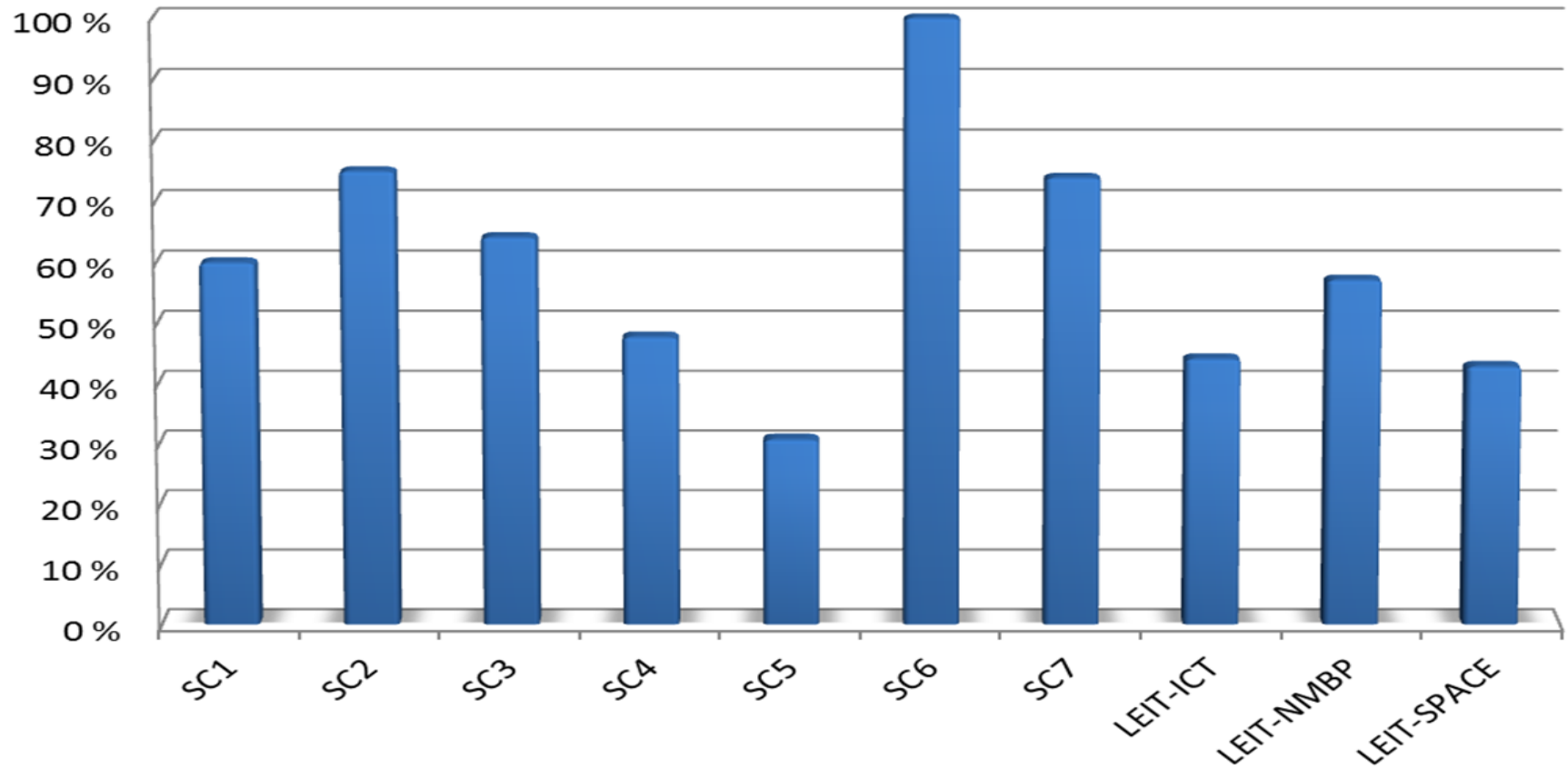
| | |
|------|---|
| None | No threshold was met for any of the four dimensions |
| Weak | Threshold met for one dimension |
| Fair | Threshold met for two or three dimensions |
| Good | Threshold met for all four dimensions |

Quality of SSH integration in projects funded under SSH-flagged topics in 2014



Share of projects with fair or good SSH integration 2014

% of projects funded under topics flagged SSH



Discipline prevalence in SSH-flagged topics in 2014

| Disciplines and clusters of disciplines | Number of projects that include partner-level expertise | Share of projects that include partner-level expertise |
|---|---|--|
| Economics, Business, Marketing | 164 | 53% |
| Political Science, Public Administration, Law | 116 | 38% |
| Education, Communication | 69 | 22% |
| Psychology | 58 | 19% |
| Sociology | 53 | 17% |
| Humanities, the Arts | 29 | 9% |
| Demography, Geography | 17 | 6% |
| Anthropology, Ethnology | 8 | 3% |
| History | 5 | 2% |

TODAY → ***WP 2016-2017***

and

THE WAY AHEAD → ***WP 2018-2020***

Integration of SSH in the 2016-17 WP

| Societal Challenge | Total number of topics | Number of SSH flagged topics |
|--------------------|------------------------|------------------------------|
| SC1 | 37 | 18 |
| SC2 | 83 | 43 |
| SC3 | 61 | 13 |
| SC4 | 55 | 24 |
| SC5 | 29 | 12 |
| SC6 | 39 | 37 |
| SC7 | 30 | 14 |
| LEIT-ICT | 39 | 10 |
| LEIT-NMBP | 52 | 11 |
| LEIT-SPACE | 21 | 1 |

41% of topics 'flagged' for SSH

Integration of SSH in the WP – modus operandi

Upstream preparation of the WP:

- SSH as a key aspect in the definition of the focus areas and of other calls in the scoping papers setting the main priorities
- Specific SSH integration item in the agendas of EAG and PC meetings
- Consultation & coaching of services and DGs involved in drafting the WP
- Advocacy and awareness-raising activities focussing on Commission staff and external stakeholders

Evaluation Process:

- SSH experts in the evaluation panels of SSH-flagged topics.
- Targeted guidelines for the experts /moderators of SSH-flagged topics

Downstream - Development of a monitoring system:

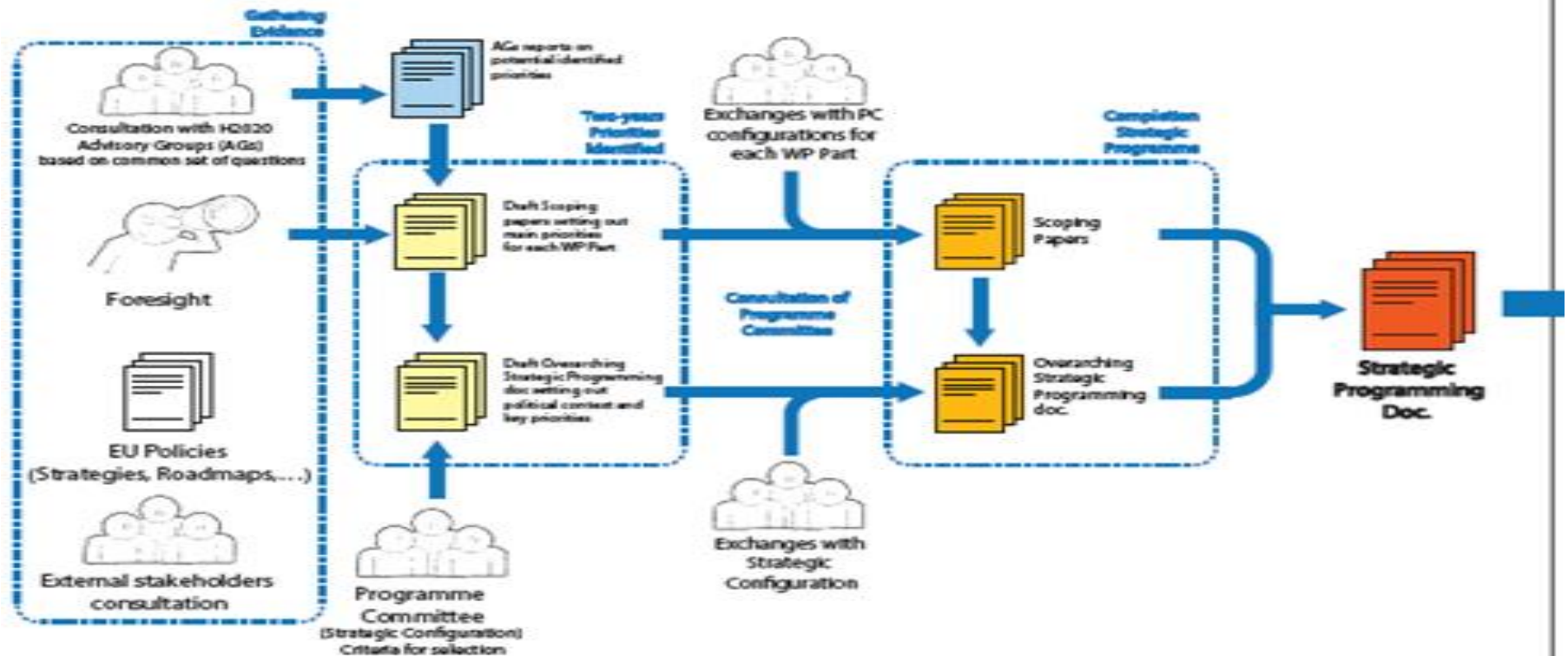
- Regular monitoring report to assess the quality and quantity of the SSH integration, starting with 2014



H2020 WP Preparation Lifecycle*

Last update: 17 April 2015

Towards Strategic Programming Document



* Can also be applied, to a large extent, to the ERC and Euratom Work Programmes

RESEARCH & INNOVATION

Participant Portal

European Commission > Participant Portal > Funding Opportunities

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LOGIN



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Horizon 2020

Search Topics

Calls



Call Updates



Funding Opportunities

Find the European Union funding opportunities and search for new or closed calls, grouped by the following programmes:

- Horizon 2020 - EU research funding from 2014
- Seventh Framework Programme (FP7)

H2020 ONLINE MANUAL



Cross-cutting issues

- International cooperation
- Ethics
- Gender
- Intellectual property
- SMEs
- Link to regional development
- Social Sciences & Humanities

AVAILABLE ON THIS PAGE

List of SSH disciplines
Guidance for applicants
Guidance for evaluators
List of SSH-flagged topics

What I will talk about:

- Opportunities for SSH in Horizon 2020
- Societal challenge 6
- Some examples from Societal challenges + LEIT
- Science with and for Society, Gender & RRI
- European Research Council
- Cross-cutting issues and other SSH-possibilities

SOCIETAL CHALLENGE 6

EUROPE IN A CHANGING WORLD

INCLUSIVE, INNOVATIVE AND REFLECTIVE SOCIETIES



Reversing inequalities and promoting fairness

REV-INEQUAL topics

| | |
|---------------------|---|
| REV-INEQUAL-01-2016 | An empirically informed European theory of justice and fairness |
| REV-INEQUAL-02-2016 | Contemporary radicalisation trends and their implications for Europe |
| REV-INEQUAL-03-2016 | Dynamics of inequalities across the life-course |
| REV-INEQUAL-04-2016 | Intra-EU mobility and its impacts for social and economic systems |
| REV-INEQUAL-05-2016 | Inequalities in the EU and their consequences for democracy, social cohesion and inclusion |
| REV-INEQUAL-06-2016 | Tackling inequalities at their roots: new policies for fairness in education from early age |
| REV-INEQUAL-07-2016 | Spatial justice, social cohesion and territorial inequalities |
| REV-INEQUAL-08-2016 | Fighting inequalities through policies against tax fraud and tax evasion |
| REV-INEQUAL-09-2017 | Boosting inclusiveness of ICT-enabled research and innovation |
| REV-INEQUAL-10-2016 | Multi-stakeholder platform for enhancing youth digital opportunities |

Co-creation for growth and inclusion

CO-CREATION topics

| | |
|------------------------|--|
| CO-CREATION-01-2017 | Education and skills: empowering Europe's young innovators |
| CO-CREATION-02-2016 | User-driven innovation: value creation through design-enabled innovation |
| CO-CREATION-03-2016 | Piloting demand-driven collaborative innovation models in Europe |
| CO-CREATION-04-2017 | Applied co-creation to deliver public services |
| CO-CREATION-05-2016 | Co-creation between public administrations: once-only principle |
| CO-CREATION-06-2017 | Policy-development in the age of big data: data-driven policy-making, policy-modelling and policy-implementation |
| CO-CREATION-07-2017 | Towards a new growth strategy in Europe - Improved economic and social measurement, data and official statistics |
| CO-CREATION-08-2016/17 | Better integration of evidence on the impact of research and innovation in policy making |
| CO-CREATION-09-2016 | A European map of knowledge production and co-creation in support of research and innovation for societal challenges |

Understanding Europe - promoting the European public and cultural space

CULT-COOP topics

| | |
|----------------------|---|
| CULT-COOP-01-2017 | Democratic discourses and the rule of law |
| CULT-COOP-02-2017 | Improving mutual understanding among Europeans by working through troubled pasts |
| CULT-COOP-03-2017 | Cultural literacy of young generations in Europe |
| CULT-COOP-04-2017 | Contemporary histories of Europe in artistic and creative practices |
| CULT-COOP-05-2017 | Religious diversity in Europe - past, present and future |
| CULT-COOP-06-2017 | Participatory approaches and social innovation in culture |
| CULT-COOP-07-2017 | Cultural heritage of European coastal and maritime regions |
| CULT-COOP-08-2016 | Virtual museums and social platform on European digital heritage, memory, identity and cultural interaction |
| CULT-COOP-09-2017 | European cultural heritage, access and analysis for a richer interpretation of the past |
| CULT-COOP-10-2017 | Culture, integration and European public space |
| CULT-COOP-11-2016/17 | Understanding the transformation of European public administrations |

Engaging together globally

ENG-GLOBALLY topics

| | |
|-------------------------|--|
| ENG-GLOBALLY-01-2017 | Strengthening Europe's position in the global context: science diplomacy and intercultural relations |
| ENG-GLOBALLY-02-2017 | Shifting global geopolitics and Europe's preparedness for managing risks, mitigation actions and fostering peace |
| ENG-GLOBALLY-03-2017 | The European Union and the global challenge of migration |
| ENG-GLOBALLY-04-2017 | Science diplomacy for EU neighbourhood policies |
| ENG-GLOBALLY-05-2017 | The strategic potential of EU external trade policy |
| ENG-GLOBALLY-06-2017 | The Asia-Pacific as a strategic region for Europe |
| ENG-GLOBALLY-07-2017 | The European Union and Central Asia |
| ENG-GLOBALLY-08-2016/17 | EU-China cooperation on sustainable urbanisation |
| ENG-GLOBALLY-09-2016 | Centres/Networks of European research and innovation |

Two kinds of topics with SSH relevance

1. Topics with an SSH component

- Multidisciplinary topics where finding a solution requires knowledge and input from both SSH and STEM
- Consortia submitting proposals will need to include both STEM and SSH partners

2. Topics dedicated to SSH research

- Finding a solution relies on knowledge and input from SSH researchers and practitioners
- Consortia submitting proposals will mainly consist of partners from various SSH disciplines

**SSH
integration
is aimed
at closing
the
collaborative
gap
between
STEM&SSH
in R&I
activities**

Develop integrated
SOCIO-TECHNICAL solutions

economy and markets

policy-making and governance

legal and institutional framework

human behavior, gender and
social values

demographic realities and trends

cultural values and beliefs

ethical considerations

Best practice examples – Projects

SC 7 Security - CITYCoP: Citizen Interaction Technologies Yield Community Policing - Call: H2020-FCT-2014

These ICT solutions will also be designed from scratch to be fully compliant with strict privacy and data protection laws. A training scheme, including use of serious games, will be developed to assist training of officers and citizens in use of the app and portal. **CITYCoP will benefit from a multidisciplinary approach that will include the sociology of community policing as well as cognitive science perspectives of the citizen's interaction with community and LEAs through technology.**

LEIT NMP - NANORESTART NANOmaterials for the REStoration of works of ART – Call NMP 21 – 2014

The project brings together **specialists in chemistry, materials science, art conservation, art restoration as well as museum curators and cultural heritage educators.** They will priorities and assess the new materials on modern and contemporary artefacts in urgent need of conservation, then disseminate the knowledge among conservators on a worldwide perspective. The market for conservation of this heritage is estimated at some €5 billion per year and could increase by a significant factor in the next years due to the wider use of nanomaterials.

Best practices examples – Topics

FOOD (SC2) RUR-01-2016: Consolidated policy framework and governance models for synergies in rural-urban linkages

[...] Activities should look at **economic, environmental and social linkages and dependencies in an integrated way** and examine various territorial settings, covering various forms of territorial interaction beyond city-hinterland relationships, including networks of small market towns and other types of more distant, cross-border or international interaction.

ENERGY(SC3) LCE-32-2016: European Platform for energy-related SSH research

Within the scope of this call a platform for **SSH research communities** in the energy field will be set up at European level [...]. The platform will seek to structure and enhance the energy-related dialogue at EU level among the **different SSH stakeholders**, as well as with other energy-research communities, creating **greater inter-disciplinarity and fostering knowledge and information sharing among various disciplines**. It will promote the generation of novel, evidence-based research designed to inform and influence **relevant policy processes, particularly with respect to the role of SSH aspects (including gender)** in hindering or accelerating the transition to a low-carbon energy system in Europe.

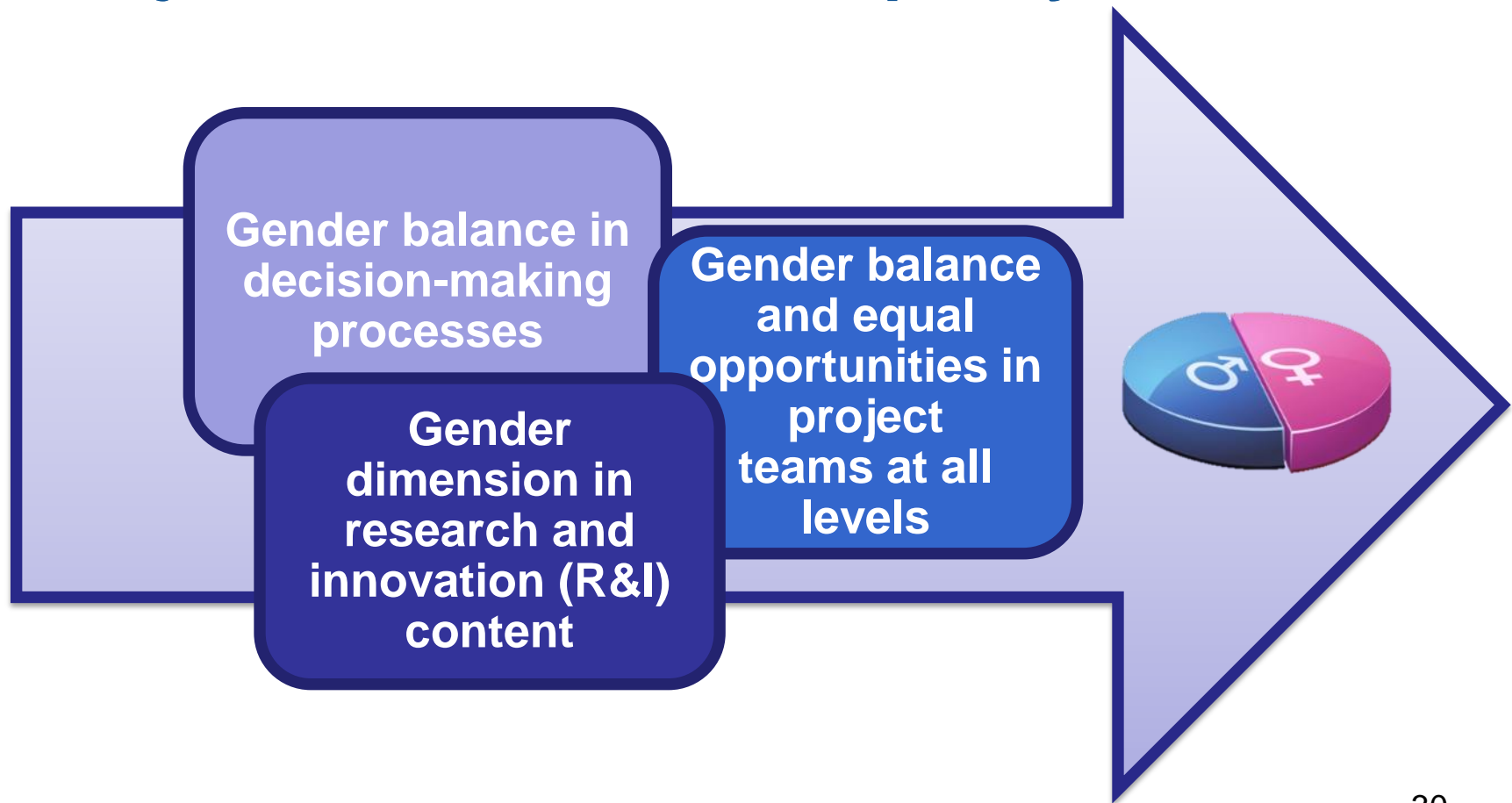
Science with and for Society

- 462 million euro in 2014-20
- Outside the three pillars of Horizon 2020

4 main areas:

- Gender
- Responsible Research and Innovation (RRI)
- Science education
- Integrating society in science and innovation

3 Objectives for Gender Equality in H2020



Gender dimension in R&I: evaluation

5. HOW SHOULD THE GENDER DIMENSION BE ADDRESSED AND EVALUATED IN PROPOSALS?

a) Gender dimension in Research and Innovation content

A topic is considered gender relevant when it can be expected that its findings affect women and men or groups of women and men differently.

In these cases, applicants should integrate gender issues and, when relevant specific studies, as part of the proposals. This is what we call the 'gender dimension' in research and innovation content. Addressing the gender dimension will contribute to the scientific quality and societal relevance of the produced knowledge, technology and innovation.

The H2020 proposal template, under 'Concept and approach', includes a standard question for applicants: "Where relevant, describe how sex and/or gender analysis is taken into account in the project's content". Sex and gender refer to biological characteristics and social/cultural factors respectively. For guidance on methods of sex / gender, and the issues to be taken into account, applicants are referred to the [Gendered Innovations website](#)¹.

In Horizon 2020, the gender dimension is so far explicitly integrated into more than 100 topics across almost all sections of the 2014-2015 Work Programme. This means that each of these topics specifies under its scope and or/ under its expected impact in what way gender is relevant, in order to ensure a clear understanding by applicants.

- **In these cases, experts will check how sex and/or gender analysis is taken into account as requested in the proposal template and consider this while giving a score under the "excellence" and/or the "impact" criteria.**

When the gender dimension is not explicitly integrated into a topic, applicants can still decide to address it in their proposal if they find it relevant

- **In these cases, gender issues become part of the project and experts will deal with them as they would with other relevant aspects of the proposal.**

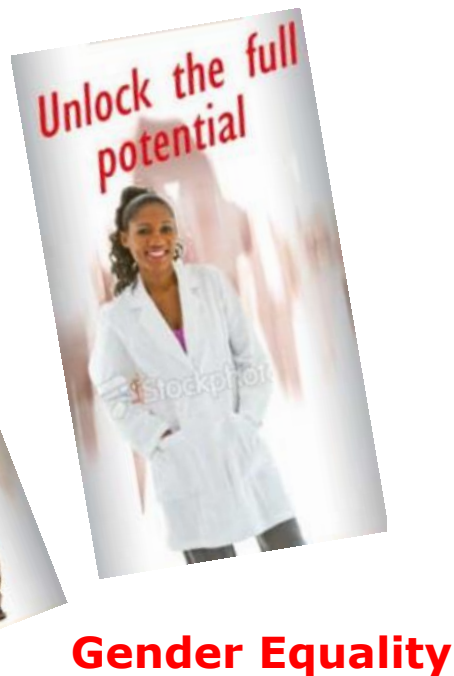
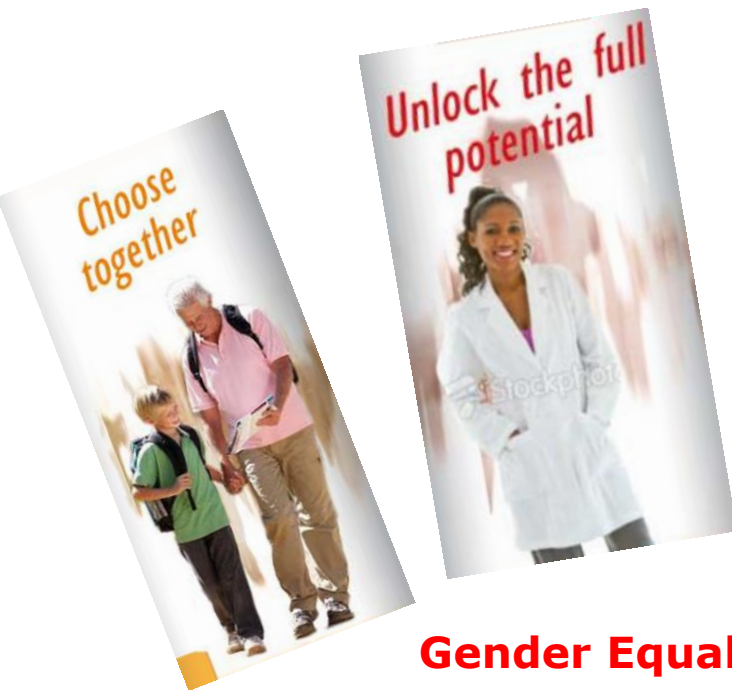
Evaluation

Experts assess the inclusion of the gender dimension under the excellence criterion.

Source: Guidance for evaluators of Horizon 2020 proposals

http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/pse/h2020-evaluation-faq_en.pdf

RRI across Horizon 2020



Best practice

RRI + SSH in LEIT NMBP

NMP-32-2015: Societal engagement on responsible nanotechnology

Expected impact:

- ***The direct and sustainable impact of this action will be to enhance the interaction between society, science and nanotechnologies in order to contribute to a **responsible nanotechnology research and innovation** at EU and national policy level and research processes.***
- ***Involving **civil society, social sciences and humanities**, and industry groups in decision-making procedures and/or **societal dialogue and engagement on nanotechnologies** will increase awareness, enhance understanding between stakeholders' on their positions, needs, expectations and concerns, and enhance trust between them.***

ERC Grant Schemes

Starting Grants

starters
(2-7 years after PhD)
up to € 2.0 Mio
for 5 years

Consolidator Grants

consolidators
(7-12 years after PhD)
up to € 2.75 Mio
for 5 years

Advanced Grants

track-record of
significant research
achievements in the
last 10 years
up to € 3.5 Mio
for 5 years

Proof-of-Concept

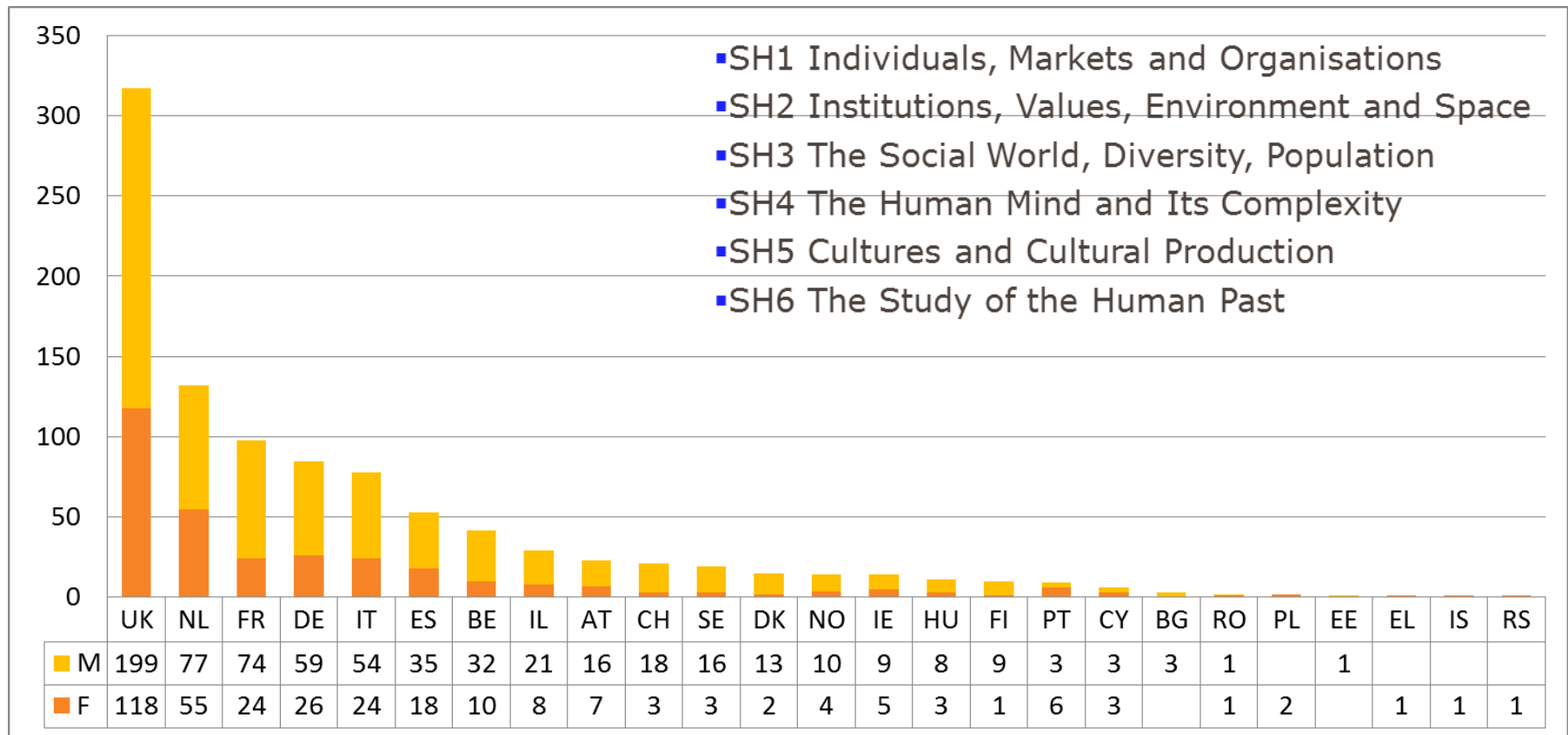
bridging gap between research - earliest
stage of marketable innovation
up to €150,000 for ERC grant holders

Number of ERC funded projects in SH domain by HI country and gender, 2007 - 2014



European Research Council

Established by the European Commission



Other Cross Cutting Issues

Already mentioned: SSH, Gender and RRI

Climate change and sustainable development

European Research Area and Innovation Union

SMEs

Key Enabling Technologies

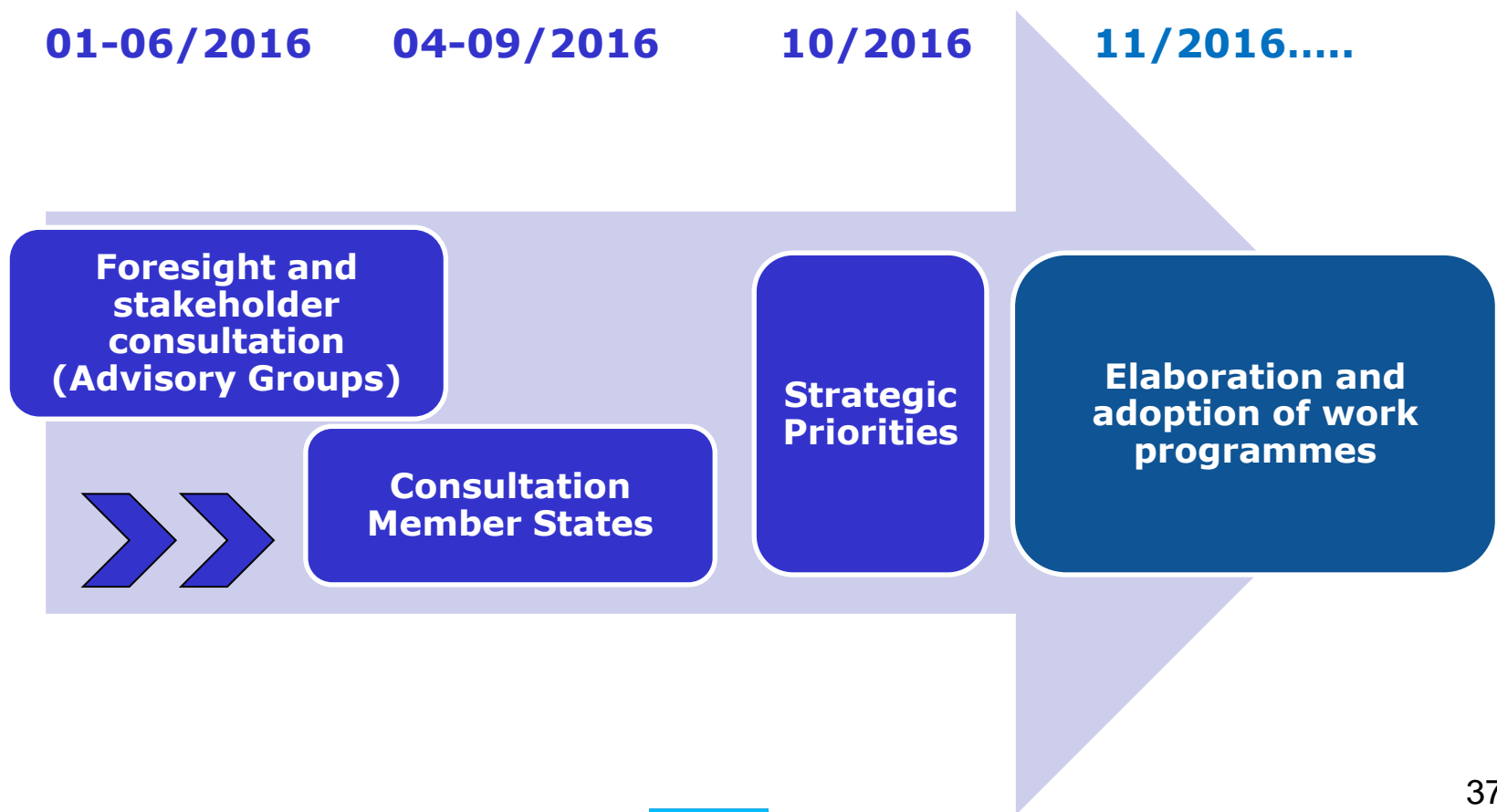
International cooperation/third country participation

Widening participation and spreading excellence

Interdisciplinarity and cross-sectoral research and innovation

Digital agenda and ICT

Strategic Programming: Process and timing



And....

do not forget opportunities for SSH in Marie Skłodowska-Curie Actions, Research infrastructures, Future and Emerging Technologies, European Institute of Innovation & Technology, COST, Joint Programming Initiatives +++

***Thank you for your
attention!***

<https://ec.europa.eu/research/social-sciences/index.cfm>