



## **10th Academic Careers Observatory Conference**

***Exploring National and European Research Funding Opportunities  
for Young Academics***

**2 December 2015**

# Applying for funding opportunities for young researchers. The European Agencies.

**Ramon Marimon**

European University Institute

# Satisfaction with European Agencies...

# Survey on Research Funding for the Social Sciences in Europe

Max Weber Programme  
Academic Careers Observatory  
&  
European Economic Association  
European Sociological Association  
European Consortium for Political Research

Figure 44 — Satisfaction with National Research Grants (public) by application success

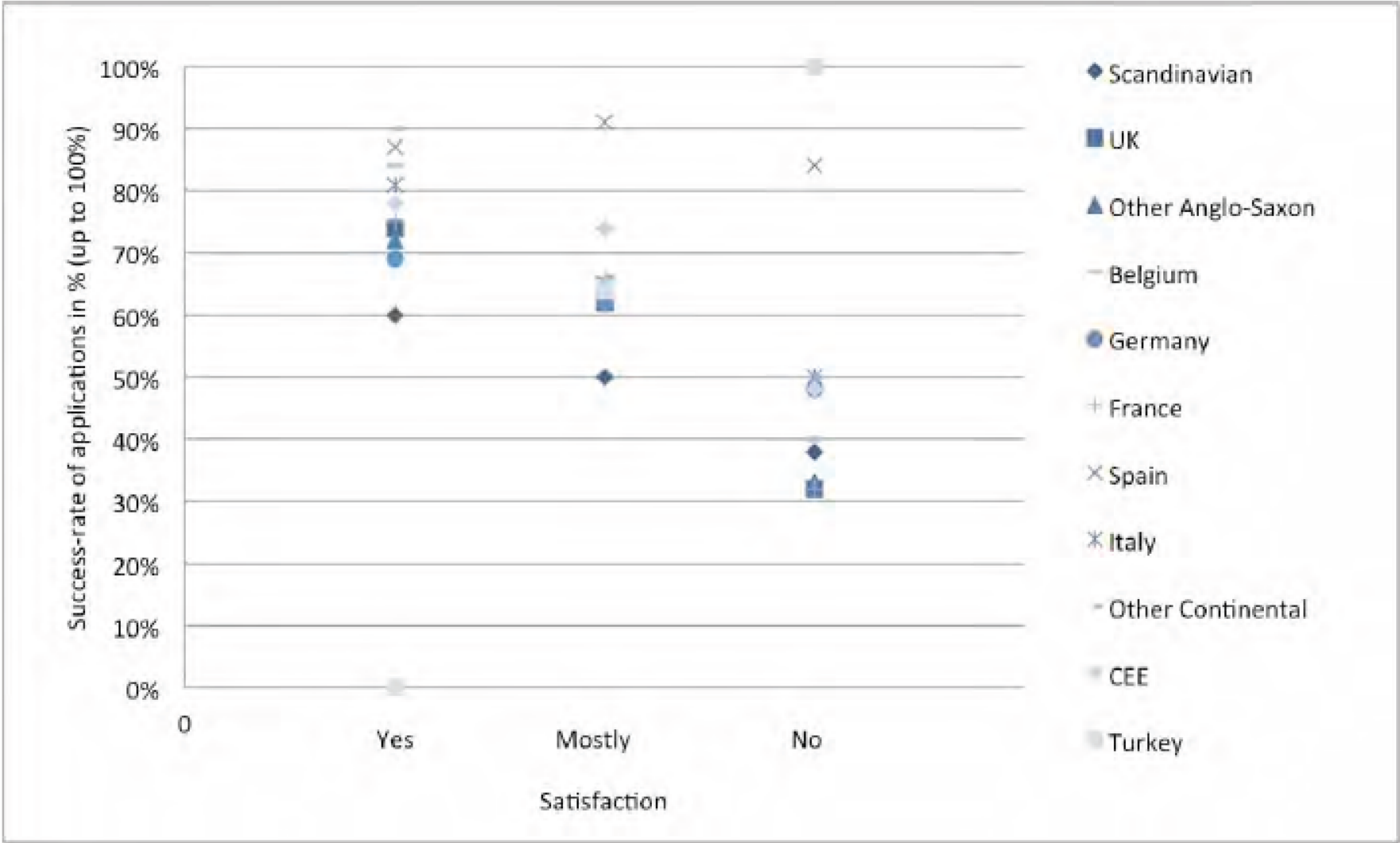


Figure 45 — Satisfaction with ERC grants by application success

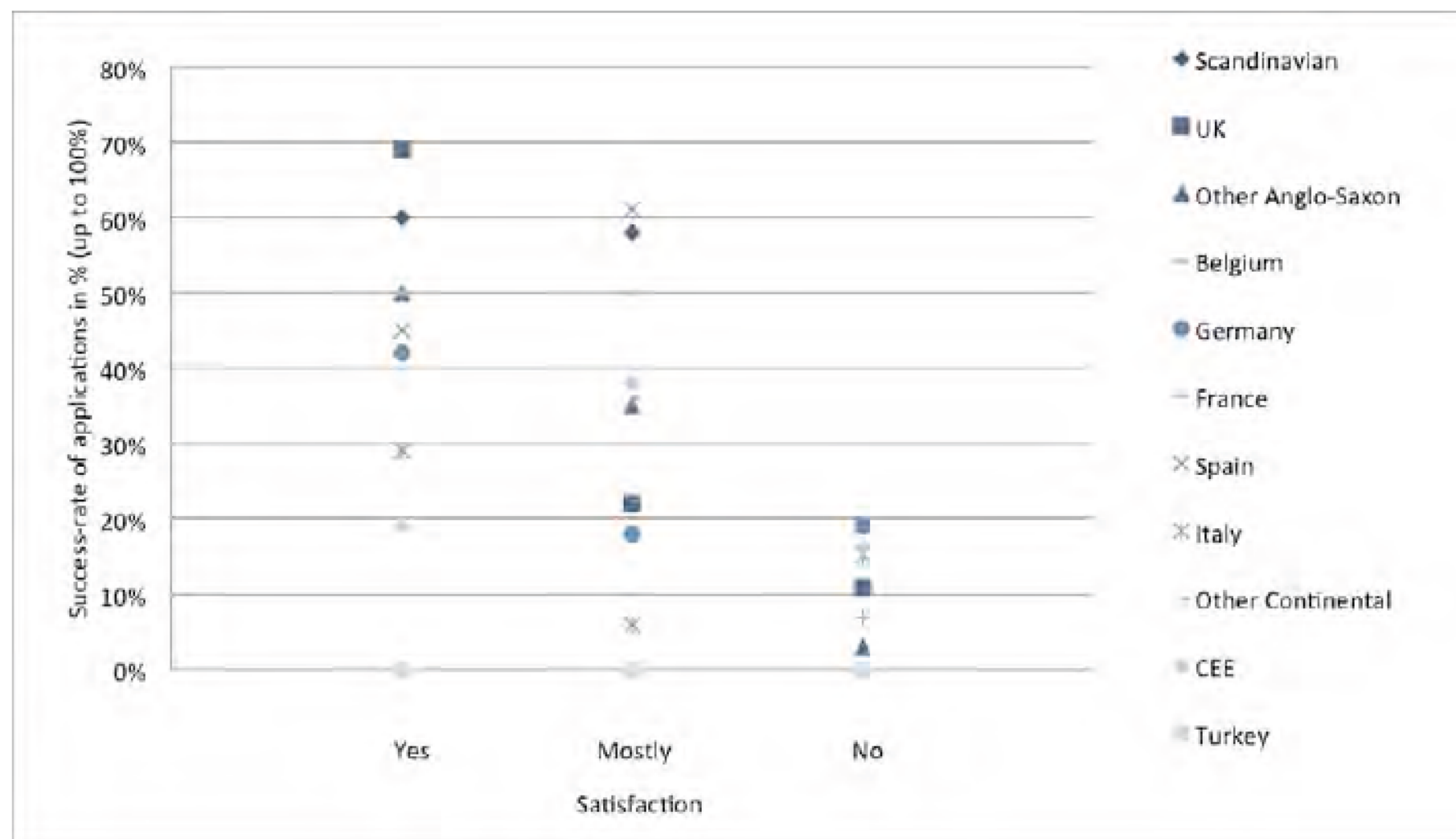


Figure 46 — Satisfaction with EC Framework Programme (not ERC) grants by application success

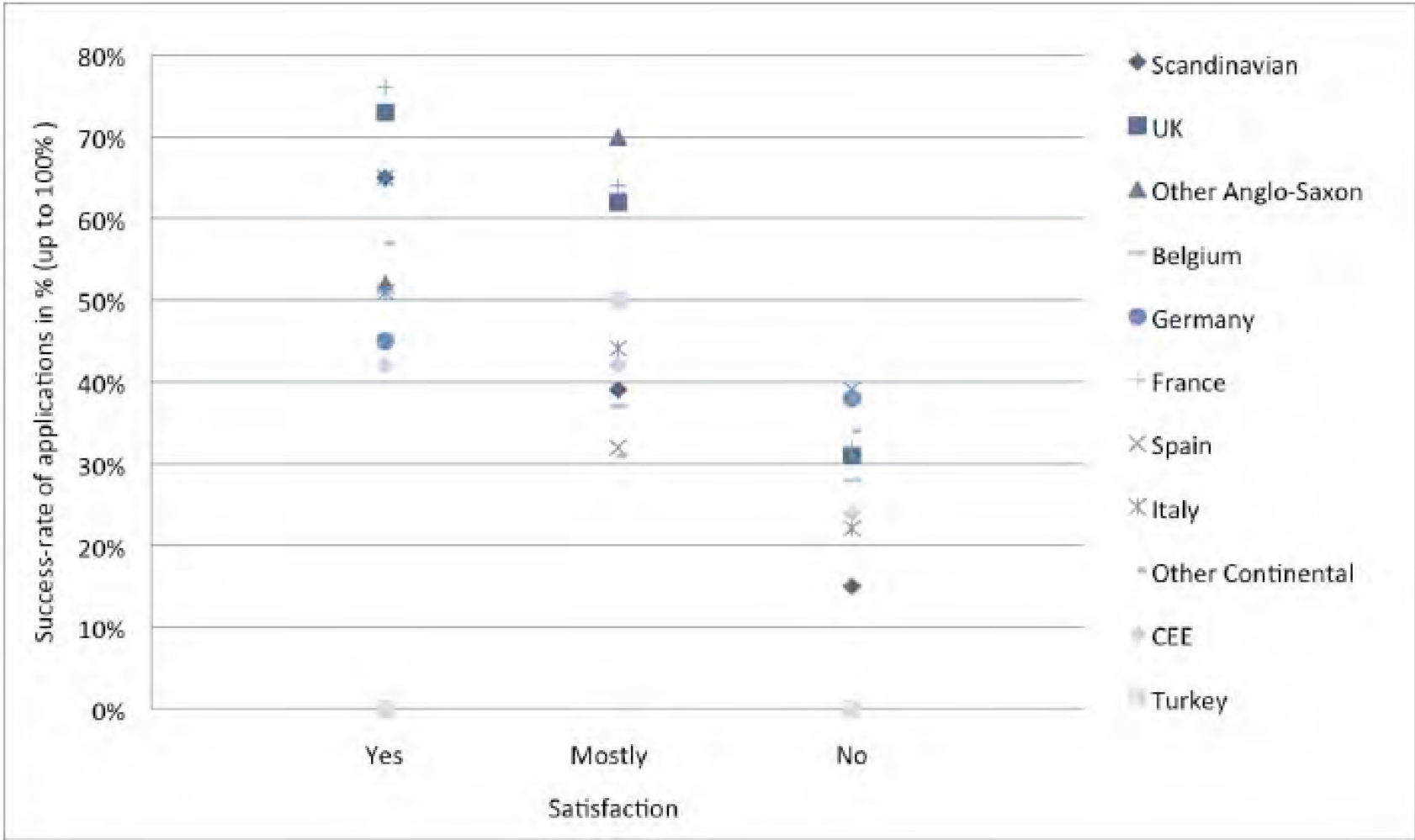


Figure 47 — Grant sources by application success rate  
(average percentage – up to 100%)

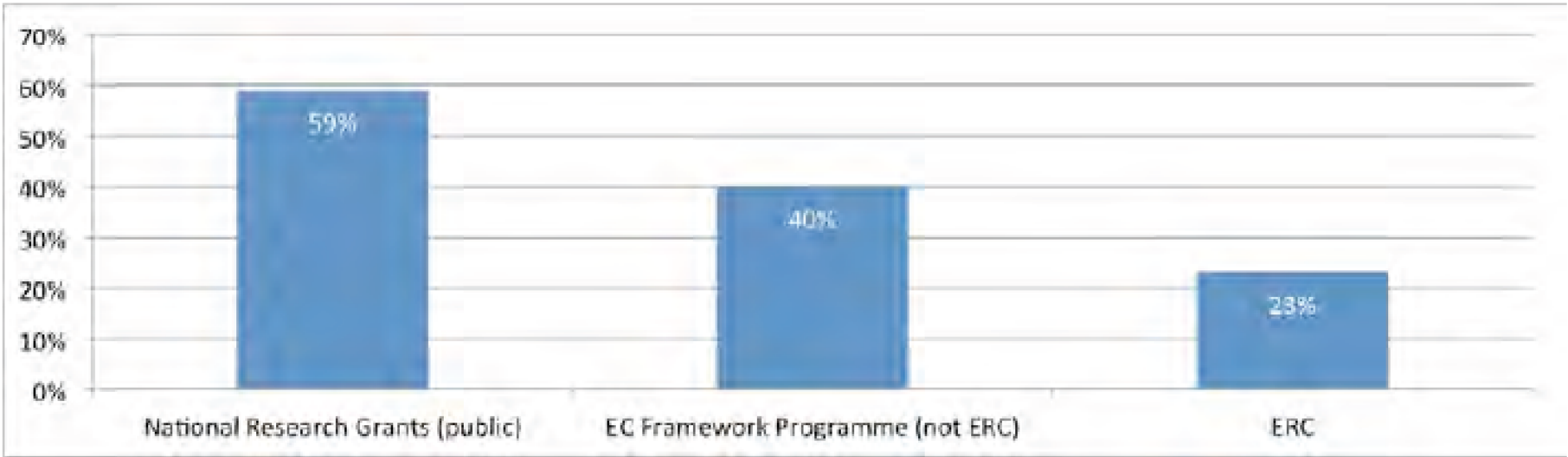




Table 10 — The most desirable, often missing, elements in European research funding

		Economics	Sociology	Political Sciences
1	Flexibility	1	1	1
2	Competent and transparent evaluation	2	4	3
3	Simplification of application and procedures	3	3	4
4	Adequate funding	4	2	2
5	Stability and regularity of calls and funding	5	8	9
6	Teaching buyouts and salary complements	6	7	5
7	Open topics	7	9	8
8	Accent on excellence	8	10	10
9	Grants for all stages of the career, specially for young researchers	9	6	6
10	Support of innovative ideas	10	5	7

# Basic theories about Funding Agencies...

# The “linear model”

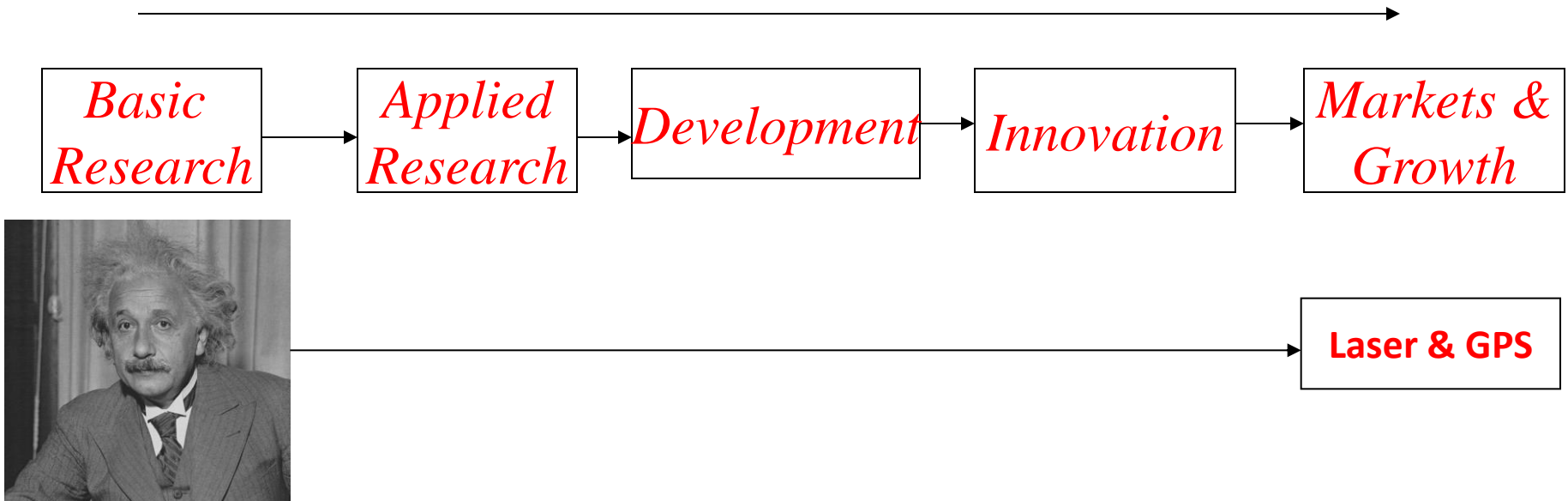
Vannevar Bush’s *Science, the Endless Frontier: A Report to the President on a Program for Postwar Scientific Research* (July, 1945)



“The technological sequence consists of basic research, applied research, and development...”  
(NSF 2nd Annual Report, 1952)

# The “linear model”

Vannevar Bush's *Science, the Endless Frontier: A Report to the President on a Program for Postwar Scientific Research* (July, 1945)



# The “Inverted Linear Model”

R&D treated as another public or private expenditure

Social agents ‘defining **challenges**’

(or ‘picking up winners’)



# Setting priorities & objectives in Science and Technology Policy

The “bottom-up”



and “top-down”



“dicothomy”!

# Pasteur's Quadrant (D. Stokes, 1997)

*Consideration of use?*

*No*

*Yes*

*Yes*

Pure basic  
research

Use-inspired  
basic research

*Quest for  
fundamental  
understanding?*

*No*

Pure applied  
research

# Pasteur's Quadrant (D. Stokes, 1997)

*Consideration of use?*

*No*

*Yes*

*Yes*

**Pure basic  
research**

(Bohr)

(Ancient Greece)

**Use-inspired  
basic research**

(Pasteur)

(US, Europe?)

*Quest for  
fundamental  
understanding?*

*No*

**Pure applied  
research**

(Edison)

(Japan)



# Setting priorities & objectives in Science and Technology Policy

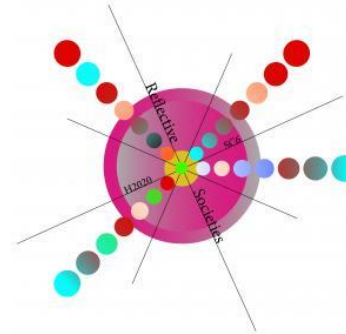
The “bottom-up”



**European Research Council**

Established by the European Commission

and “top-down”



“dicothomy”!

# Horizon 2020



# Horizon 2020...

## Biggest EU R&I programme ever

€77 billion of EU funding over 2014-2020  
~ 27% increase compared to 2007-2013

## Core part of Europe 2020's strategy

Smart, sustainable and inclusive growth

## Main objectives

- Responding to the economic crisis to invest in future jobs and growth
- Addressing people's concerns about their livelihoods, safety and environment
- Strengthening the EU's global position in research, innovation and technology

# Three priorities

The “bottom-up”  
and “top-down”



## The “bottom-up”

### **Excellent Science**

**Frontier Research (ERC)**

**Future and Emerging Technologies (FET)**

**Skills and career development (Marie Skłodowska-Curie)**

**Research Infrastructures**

## and “top-down”

### **Industrial Leadership**

**Leadership in enabling  
and industrial technologies**

**ICT**

**Nanotech., Materials, Manuf. & Processing**

**Biotechnology**

**Space**

**Access to risk finance**

**Innovation in SMEs**

### **Societal Challenges**

**Health, demographic change and wellbeing**

**Food security, sustainable agriculture,  
and the bio-based economy**

**Secure, clean and efficient energy**

**Smart, green and integrated transport**

**Climate action, resource efficiency,  
and raw materials**

**Inclusive, innovative and reflective societies**

**Secure societies**

Social Sciences & Humanities in

Horizon 2020...

## Horizon 2020 - "Societal Challenges"

	Breakdown	Final amount in million euro (in current prices)
<b>Societal Challenges, of which</b>	<b>38.53%</b>	<b>29 678</b>
1. Health, demographic change and wellbeing	9.70%	7 472
2. Food security, sustainable agriculture, marine and maritime and inland water research and the bio-economy	5%	3 851
3. Secure, clean and efficient energy	7.70%	5 931
4. Smart, green and integrated transport	8.23%	6 339
5. Climate action, resource efficiency and raw materials	4%	3 081
<b>6. Europe in a changing world: Inclusive, innovative &amp; reflective societies</b>	<b>1.70%</b>	<b>1 310</b>
7. Secure societies	2.20%	1 695

## 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

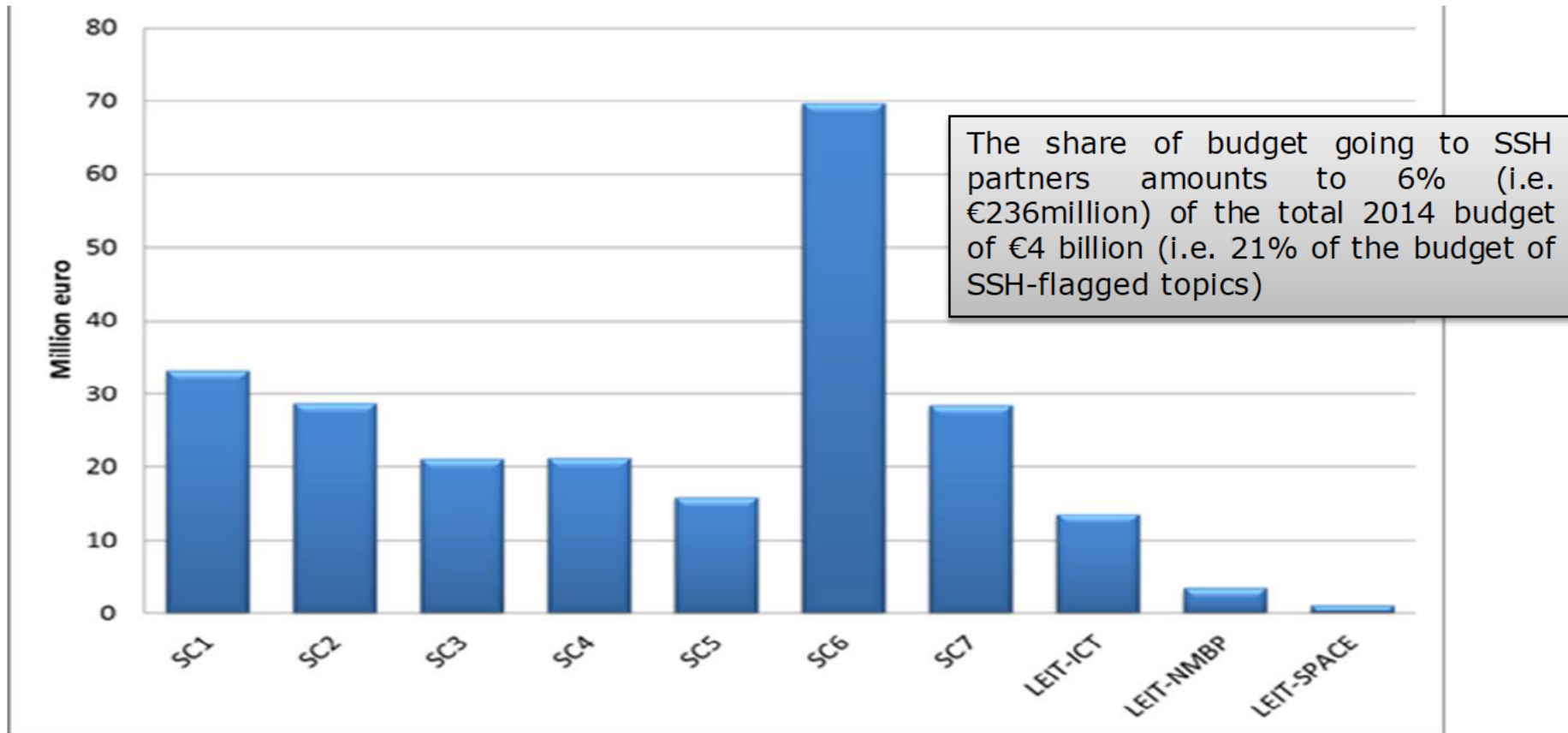
Inter-disciplinarity is part of the evaluation criteria (Excellence)

"Social sciences and humanities research will be fully integrated into each of the priorities of Horizon 2020 and each of its specific objectives (...) so that the SSH can make a contribution wherever they are needed."

*Horizon 2020 Framework Regulation*



## Budget going to SSH in 2014 – €236 million



## How to assign the SSH-flag to topics in WP16-17?

***To assign the SSH flag, 'yes' to two key questions:***

- *Are SSH terminology and research questions (examples provided in WP guidance document) included in the scope section of the topic?*
- *Will the consortium require SSH partners to adequately and comprehensively address the issue at stake?*

## The objective of **Societal Challenge 6**

**"Europe in a changing world – inclusive, innovative and reflective societies"**

**"To foster a greater understanding of Europe, provide solutions and support inclusive, innovative and reflective European societies in a context of unprecedented transformations and growing global interdependencies"**

**Horizon 2020 Regulation**

= will **support social sciences and humanities research** by focusing on inclusive, innovative and reflective societies."

and "top-down" !!

## Structure of Societal Challenge 6

### ➤ ***Inclusive Societies:***

- ❑ Smart, sustainable and inclusive growth
- ❑ Building resilient, inclusive, participatory, open and creative societies in Europe
- ❑ Europe's role as a global actor
- ❑ Sustainable and inclusive environments through innovative spatial and urban planning

### ➤ ***Innovative societies:***

- ❑ Strengthening the evidence-base and support for the IU and ERA
- ❑ New forms of innovation, with special emphasis on social innovation and creativity (incl. the role of ICT-technology)
- ❑ Make use of the innovative, creative and productive potential of all generations
- ❑ Cooperation with third countries

### ➤ ***Reflective societies:***

- ❑ European heritage (memory, identity)
- ❑ European countries' and regions' history
- ❑ Europe's role in the world; intercultural relations

# Work Programme information (Part 13-SC6)

## **4 Calls and 39 Topics for 2016 and 2017**

Co-creation for growth and inclusion

Reversing inequalities and promoting fairness

Engaging together globally

Understanding Europe

- Fast track to innovation
- SME instrument
- Other Actions to support ERA and IU

In total, € 156 M for 2016 and € 165 M for 2017

## Calls and budget

Calls	2016	2017	Total
CO-CREATION	23,5	33,15	56,65
REV-INEQUAL	43,5	3	46,5
ENG-GLOBALLY	11,5	30,5	42
CULT-COOP	19,5	47,5	67
SME instrument	10,8	11,4	22,22
Other Actions incl. FTI	26,3	18,35	44,65
COST	20,68	20,68	41,36
Total	155,78	164,58	320,36

## Co-creation for growth and inclusion

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

# Reversing inequalities and promoting fairness

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



## Engaging together globally

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

## Understanding Europe - promoting the European public and cultural space

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

## **Proposal evaluation – evaluation/award criteria**

Proposal is evaluated by at least 3 external experts who consider:



- Evaluation criteria - Part H of General Annexes to the Work Programme
- H2020 Grants Manual (PP How to Participate => Reference documents => H2020 ([http://ec.europa.eu/research/participants/portal/desktop/en/funding/reference\\_docs.html#h2020-grants-manual](http://ec.europa.eu/research/participants/portal/desktop/en/funding/reference_docs.html#h2020-grants-manual) )



**European Research Council**

Established by the European Commission

### **ERC Starting Grants**

For top researchers with 2 to 7 years experience after PhD

Grants up to €1.5 million for 5 years

### **ERC Consolidator Grants**

For top researchers with 7 to 12 years experience after PhD

Grants up to €2 million for 5 years

### **ERC Advanced Grants**

For established researchers who have a recent research track-record which identifies them as leaders in their respective field of research

Grants up to €2.5 million for 5 years

### **ERC Proof of Concept**

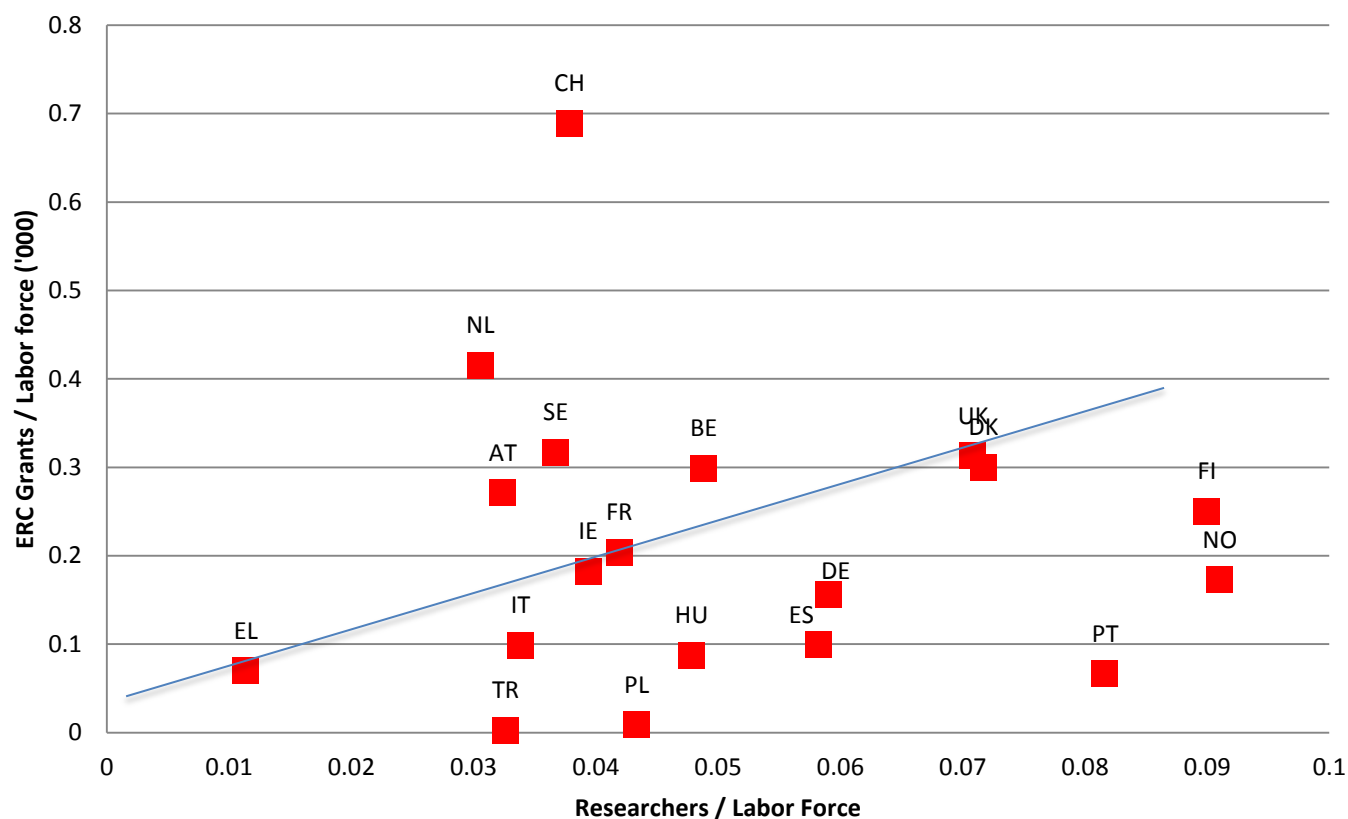
For ERC grant holders only

Bridging gap between research - earliest stage of marketable innovation

Grants up to €150,000

# ERC within the European Research Area

**ERC Grants and Researchers  
in Relation to Labor Force**



# The effect of the ERC 'bottom-up' funding in SSH

## **Social Sciences and Humanities (SH) - 6 panels**

SH1 Markets, Individuals & Institutions

SH2 The Social World, Diversity & Common Ground

SH3 Environment, Space & Population

SH4 The Human Mind and its Complexity

SH5 Cultures & Cultural Production

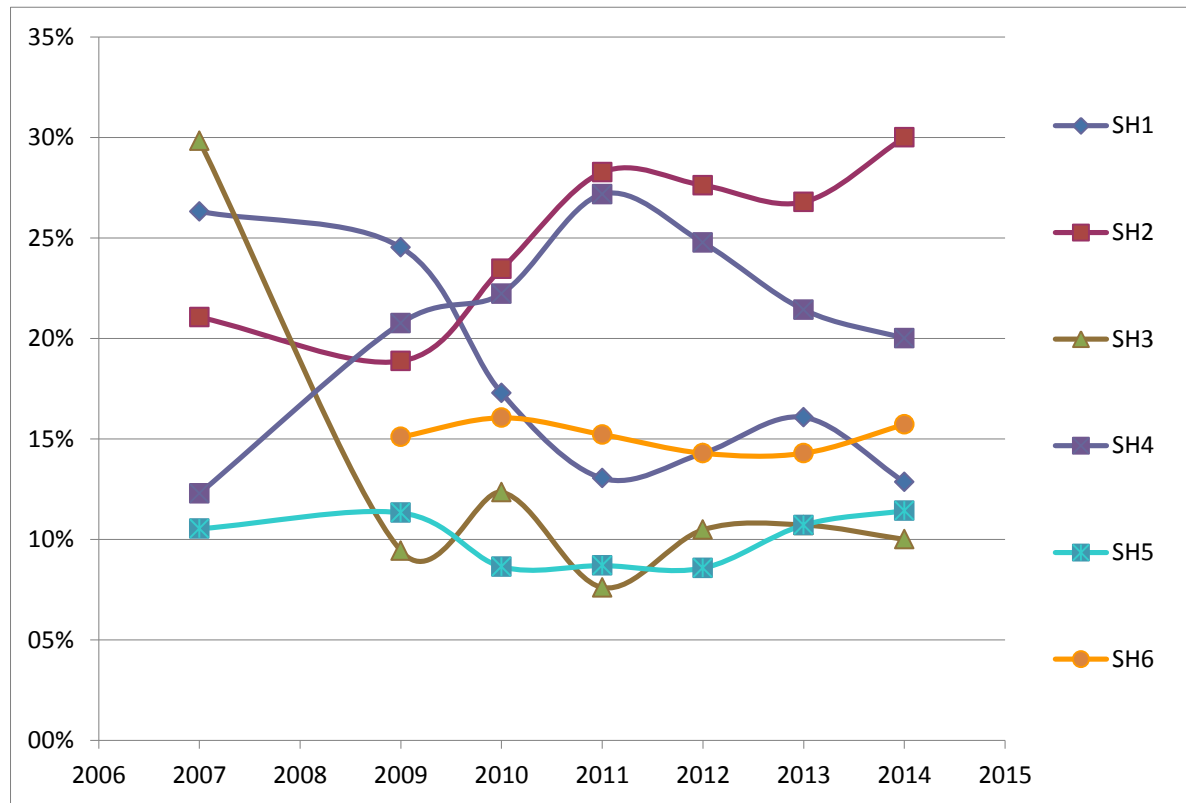
SH6 The Study of the Human Past

# Starting Grants: Granted vs. Evaluated

Granted StG							
Year	2007	2009	2010	2011	2012	2013	2014
SH1	15	13	14	12	15	9	9
SH2	12	10	19	26	29	15	21
SH3	17	5	10	7	11	6	7
SH4	7	11	18	25	26	12	14
SH5	6	6	7	8	9	6	8
SH6	0	8	13	14	15	8	11
Total	57	53	81	92	105	56	70

Evaluated StG							
Year	2007	2009	2010	2011	2012	2013	2014
SH1	352	81	95	93	126	95	93
SH2	330	110	159	261	270	201	221
SH3	332	36	57	83	104	79	71
SH4	123	102	140	247	242	170	152
SH5	141	52	61	96	114	88	93
SH6	0	59	98	150	148	117	108
Total	1278	440	610	930	1004	750	738

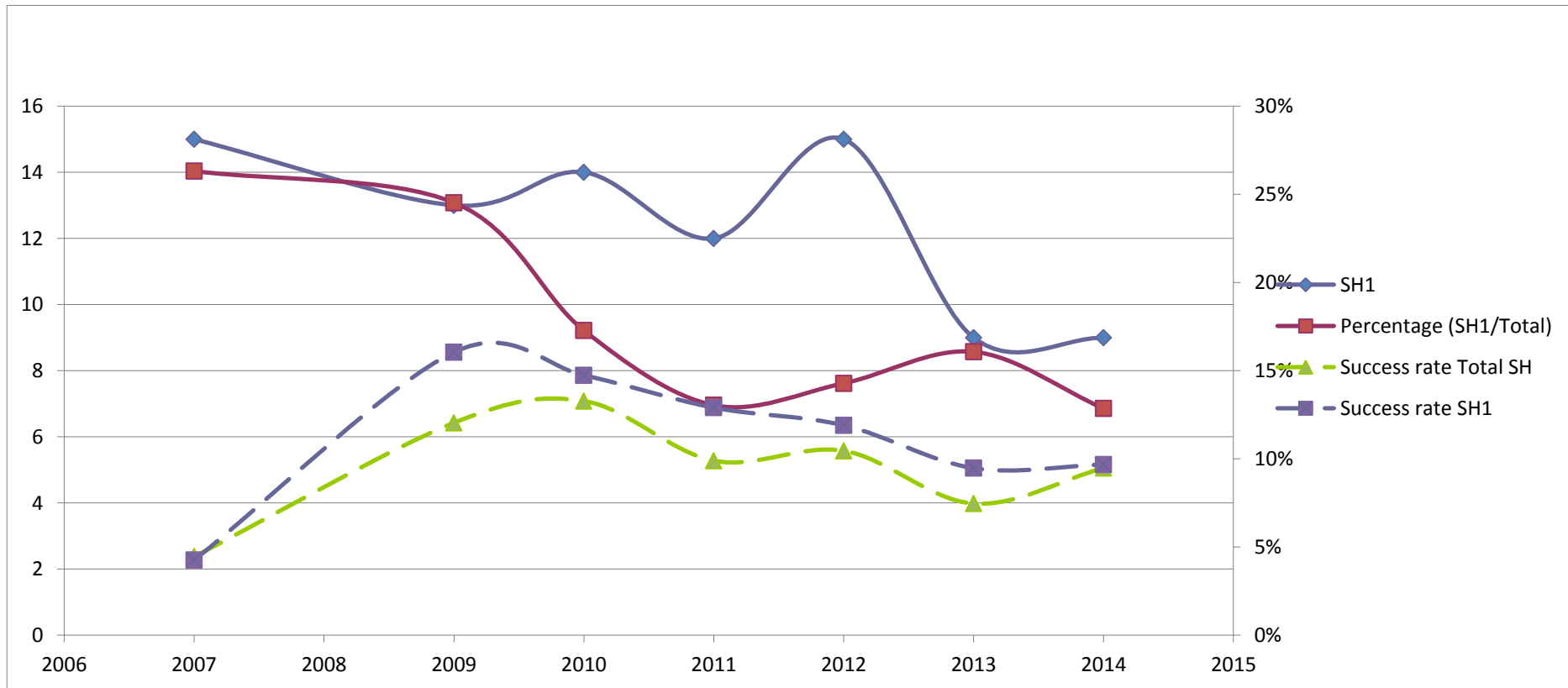
# Percentages of Starting Grants





# Starting Grants in Economics (SH1)

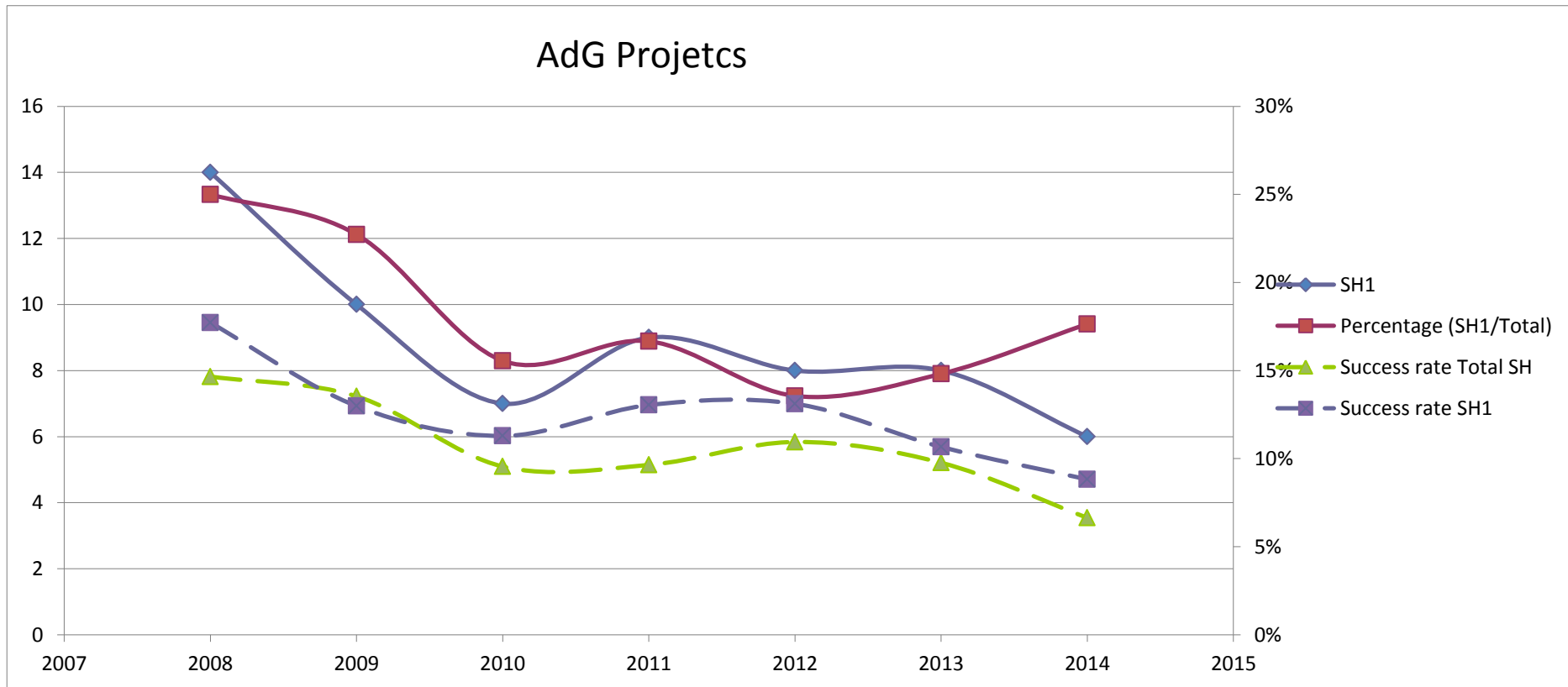
total [left] and % over Social Sciences (SH1 – SH6)[right]  
and respective success rates (granted/evaluated) [right]



Based on ERC data

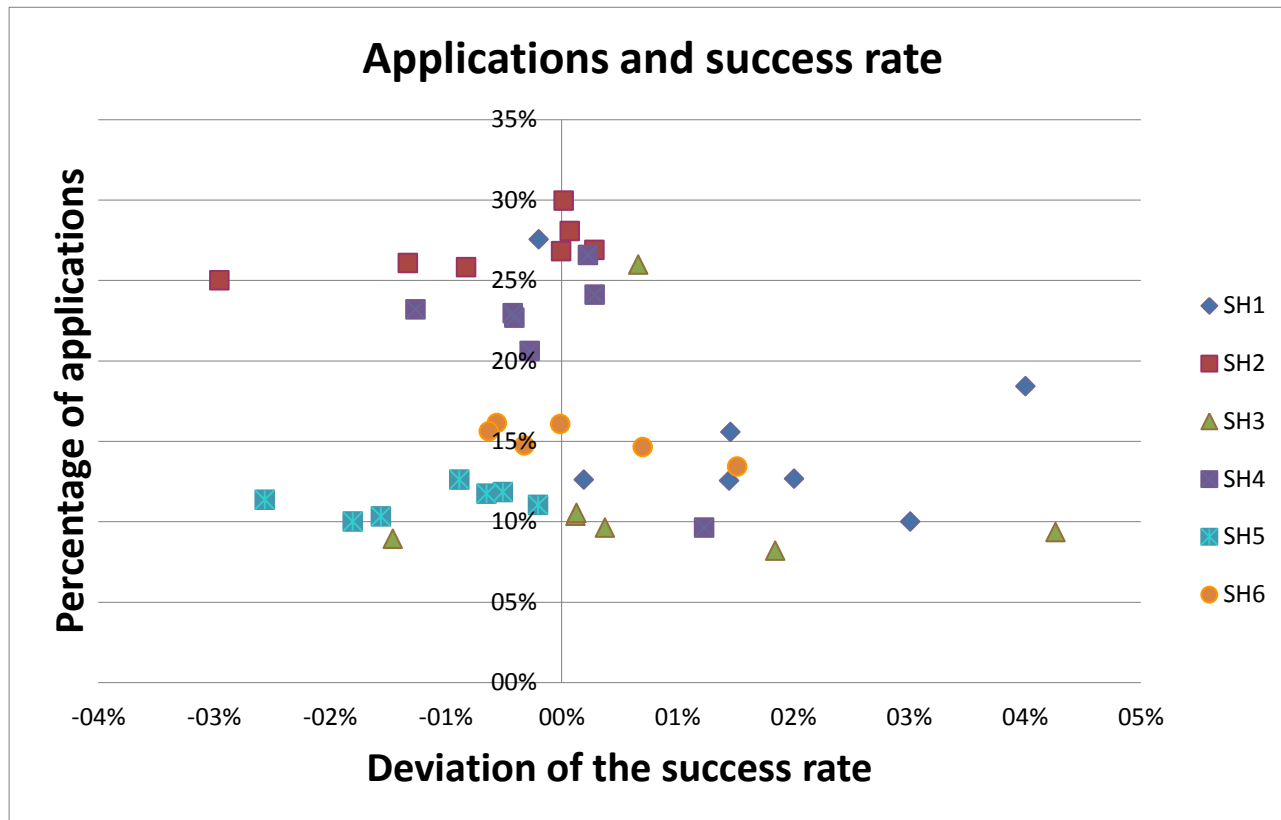
# Advanced Grants in Economics (SH1)

total [left] and % over Social Sciences (SH1 – SH6)[right]  
and respective success rates (granted/evaluated) [right]



# Starting Grants in Social Sciences

percentages vs. deviations from average success rate



**“Reassessing the EU Monetary and Fiscal Framework:**

**a challenge for the Euro Area,  
a challenge for the ADEMU  
Horizon 2020 Project”**

The objective of the ADEMU research project is to reassess the overall fiscal and monetary framework of the EU and, in particular, the euro area.

## CHALLENGE 1

Long-term sustainability of the EMU

## CHALLENGE 2

Policy coordination and economic stability within the EU

## CHALLENGE 3

Risk from macroeconomic and financial imbalances

[Read more about the ADEMU project »](#)

## ADEMU PROJECT NEWS



### Legal and Institutional Dimensions of EMU

4 days ago

Legal and Institutional Dimensions of EMU Intensive Workshop 22-23 October 2015 Within the framework of ADEMU project, the Law Department held a two-day intensive workshop, organized by Claire Kilpatrick, Giorgio Monti, Päivi Leino-Sandberg and Thomas Beukers. The workshop participants actively engaged in

interdisciplinary discussions on the legal and institutional dimensions of EMU, clustered around four [...]



### The concentration of wealth is holding back growth

5 days ago

Professor Thomas Cooley, who is the Advisory Committee Chair for the ADEMU project and also the Paganelli-Bull Professor of Economics at the Stern School of Business, NYU, recently shared his views on how the concentration of wealth is holding back growth. The interview with Prof

Cooley was printed in the Spanish newspaper 'La Vanguardia': Age? [...]



### The ADEMU project kicks-off with conference at the University of Cambridge

1 month ago

Scientific Coordinator of the ADEMU project, Ramon Marimon, led the kick-off conference, joined by researchers from leading research institutes, as well as leading economists, lawyers and members of the European Commission.

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## RECENT EVENTS



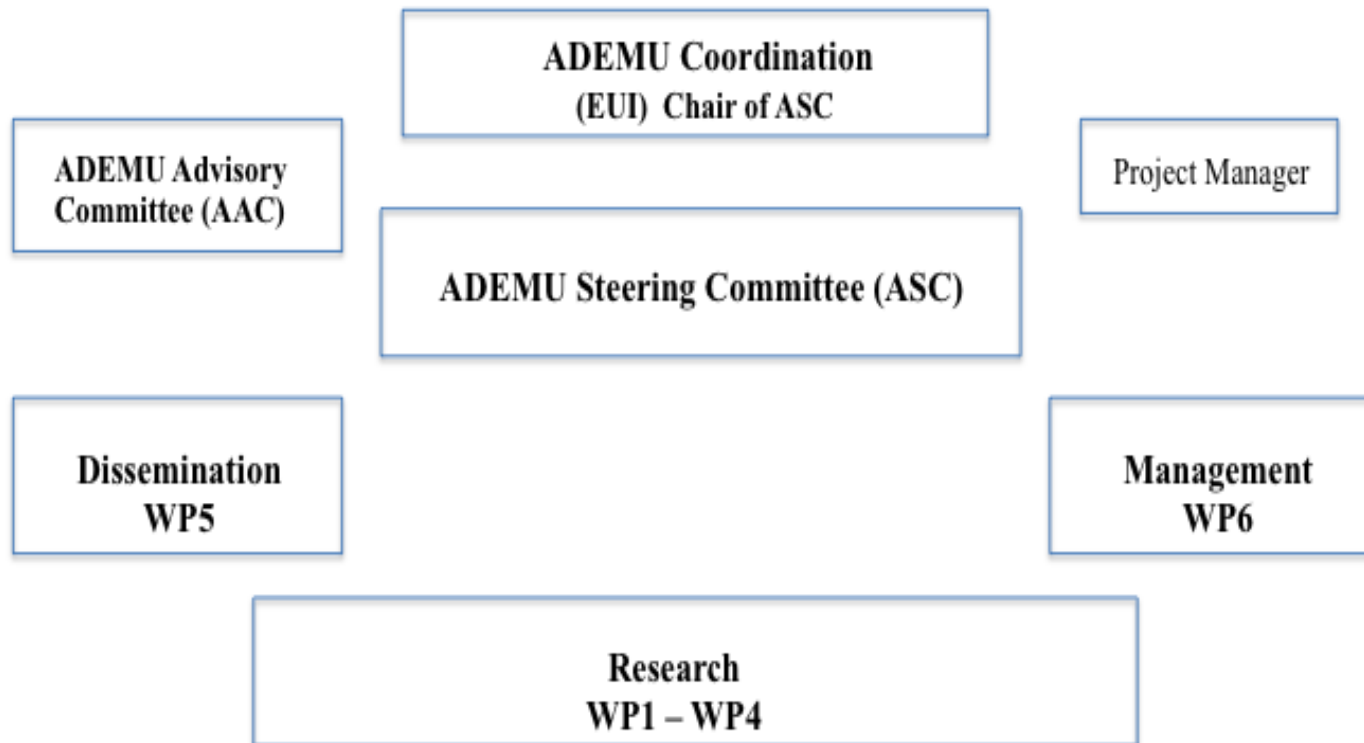
# The consortium

## List of Participants:

Participant No	Participant Organisation name	Country
1 (Coordinator)	European University Institute (EUI)	Italy
2	University of Cambridge (CAM)	UK
3	University of Bonn, (BGSE)	Germany
4	Toulouse School of Economics (TSE)	France
5	University College London (UCL)	UK
6	Catholic University of Portugal (CUP)	Portugal
7	Barcelona Graduate School of Economics (BcnGSE)	Spain
8	Charles University in Prague (CERGE)	Czech Republic



# The structure



# The people

- 52 researchers in the project
- 45 PhD students getting involved
- 43 Associate Researchers...
- Grant application core team:
  - Ramon Marimon
  - Charles Brendon (Cambridge U. former Max Weber Fellow)
  - Luis Rojas (EUI PhD Researcher)
- Support team:
  - Project manager: Margherita Fabbri
  - Project finance: Serena Scarselli
  - Dissemination team: Clara Kirchner & Sarah Grosvenor



# **ADEMU KICK-OFF CONFERENCE**

## **Reassessing the EU Monetary and Fiscal Framework**



# The horizon



## **Final Conference:**

The state of the Four and Five Presidents' roadmap in 2018

Florence, March 2018

Hosted by the European University Institute

## Acknowledgments (for some H2020 slides)

Marianne Paasi (DG Research & Innovation)

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D. Rossetti, J-F. Junger, Y. Borgmann-Prebil, Ph. Keraudre, Z.

Krasznail, J. Stamm and B. Birnbaum (DG Research & Innovation)

<https://ec.europa.eu/research/social-sciences/index.cfm?pg=events&eventcode=89BEE62F-E9A0-70AD-993DEED41C576028>

**Thanks**