



# **International seminar - Università di Bologna**

***Brussels, 26 February 2015***

## **RETHINKING THE ROLE OF SOCIAL SCIENCES AND HUMANITIES IN HORIZON 2020 TOWARDS A REFLECTIVE AND GENERATIVE PERSPECTIVE**

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# **A new approach: Man and Technology**

- **Humanities - Engineering**
- **Social habits - Technological developments**
- **Economics - Technical feasibility**
- **Understanding - Creativity - Implementation**
- **SSH - STEM**



# H2020 Budget

**SSH especially in  
MSC  
ERC  
SC6**

**and**

**Embedding**

Source: H2020 Regulation n° 1291/2013

	EUR million in current prices
I Excellent science, of which:	24 441,1
1. European Research Council (ERC)	13 094,8
2. Future and Emerging Technologies (FET)	2 696,3
3. Marie Skłodowska-Curie actions	6 162
4. Research infrastructures	2 488
II Industrial leadership, of which:	17 015,5
1. Leadership in enabling and industrial technologies (*), (***)	13 557
2. Access to risk finance (**)	2 842,3
3. Innovation in SMEs (***)	616,2
III Societal challenges, of which (****)	29 679
1. Health, demographic change and well-being	7 471,8
2. Food security, sustainable agriculture and forestry, marine, maritime and inland water research, and the bioeconomy	3 851,4
3. Secure, clean and efficient energy	5 931,2
4. Smart, green and integrated transport	6 339,4
5. Climate action, environment, resource efficiency and raw materials	3 081,1
6. Europe in a changing world – Inclusive, innovative and reflective societies	1 309,5
7. Secure societies – Protecting freedom and security of Europe and its citizens	1 694,6
IV Spreading excellence and widening participation	816,5
V Science with and for society	462,2
VI Non-nuclear direct actions of the Joint Research Centre (JRC)	1 902,6
VII The European Institute of Innovation and Technology (EIT)	2 711,4
<b>TOTAL</b>	<b>77 028,3</b>



# **HORIZON 2020**

## **Societal Challenge 6**

### **Europe in a changing world**

#### **Inclusive, innovative and reflective societies**



## **Preparing the SC6 WP: a long *itinere* full of interactions**

- **Stocktaking of FP7 and CIP, first calls of H2020 in 2014**
- **Commission drafts the WP taking on board stakeholders insights: written inputs, workshops, *ad-hoc* meetings, AG**
- **Involvement of Commission Services: 12 Units from 5 Directorates and 2 DGs (RTD & CNECT)**
- **Consultation with Policy DGs (H2020 Group - ISC)**
- **Programme Committee (Member States)**



# **5 Calls in SC6 open in 2015**

**EURO**

**YOUNG**

**REFLECTIVE**

**INT**

**INSO**



# Award criteria

- 1. Excellence***
- 2. Impact***
- 3. Quality and efficiency of implementation***





## **Scoping Paper of SC6 – 2016-2017**

- **“Co-creation for growth and inclusion”**
- **“Reversing inequalities”**
- **“Engaging together globally”**
- **“Understanding Europe”**
- **Other Actions to support ERA and IU**



# **HORIZON 2020**

## **Embedding SSH**



“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*

SSH  
embedding  
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 and social values

Demographic realities and trends

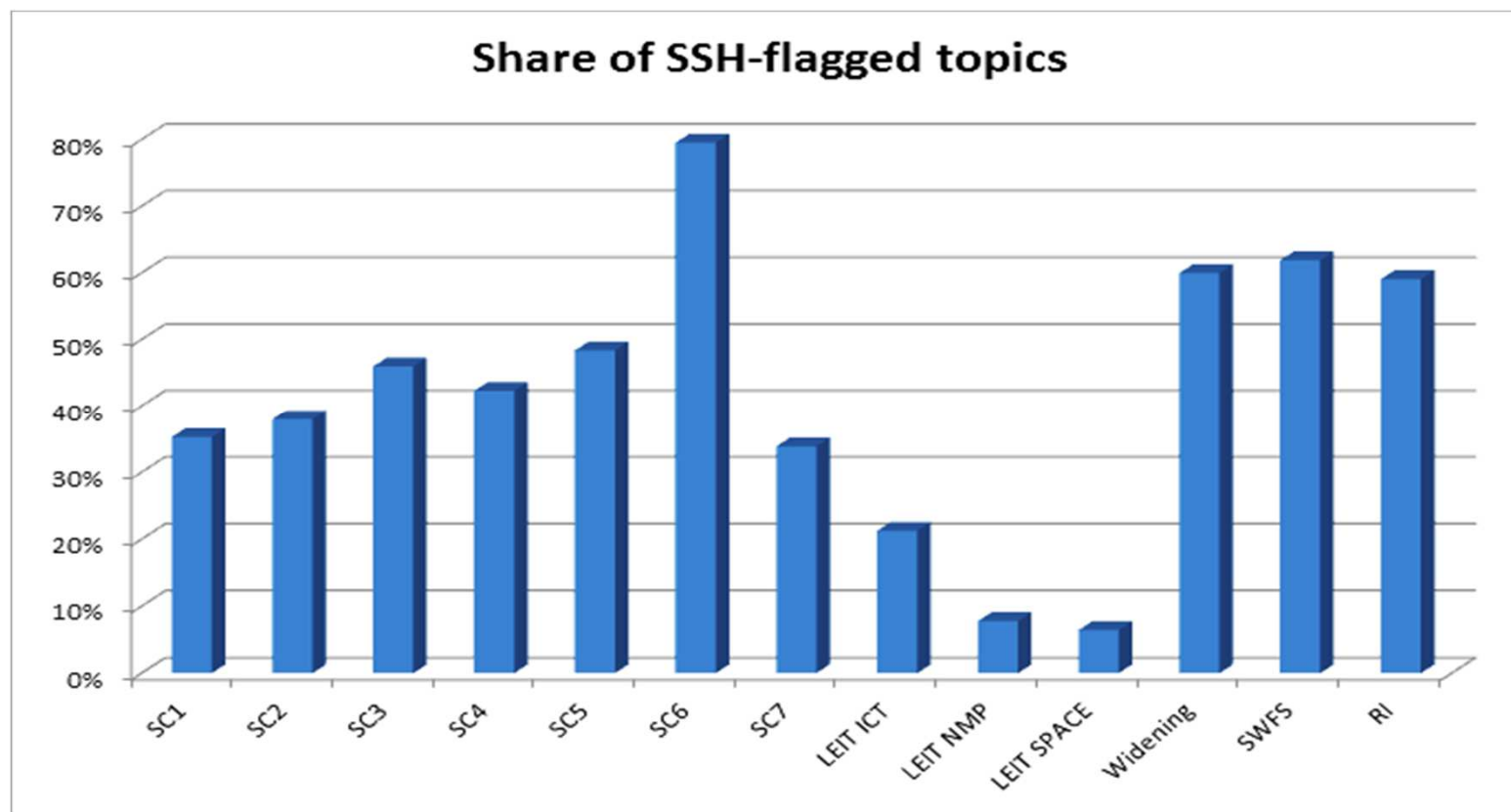
Cultural values and beliefs

Ethical considerations

## **Embedding SSH in practical terms**

- **SSH experts contribute to framing the questions and issues to be tackled in Horizon 2020**
- **37% of topics are 'flagged' for SSH, i.e. they point to SSH research as integral part of the expertise needed to properly address the issue outlined in the topic**
- **Evaluation panels include SSH expertise; evaluators briefed on how to identify and evaluate SSH aspects**
- **Proposals submitted for topics 'flagged' for SSH should contain meaningful, integrated contributions from SSH researchers**

## Integration of SSH in 2014 - 2015



Overall, 37% of topics are 'flagged' for SSH  
(list available on the Participant Portal)

## SSH flagged Topics

### Topics dedicated to SSH research

- issues are framed mainly from an SSH perspective
- most project partners come from SSH disciplines

### Topics with a significant SSH component

- SSH expertise is an integral, though not exclusive, part of the research design of topics
- solutions to the problem are to be generated by integrating knowledge stemming from both SSH disciplines and non-SSH disciplines such as natural sciences, medicine, engineering and technology



European Commission



# RESEARCH & INNOVATION

European Commission

## Participant Portal

European Commission > Participant Portal > Funding Opportunities

HOME

FUNDING OPPORTUNITIES

HOW TO PARTICIPATE

EXPERTS

SUPPORT



LOGIN



REGISTER

### Horizon 2020

Search Topics

Calls



Call Updates



### Funding Opportunities

H2020 ONLINE MANUAL

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)

#### Cross-cutting issues

- > International cooperation
- > Ethics
- > Gender
- > Intellectual property
- > SMEs
- > Links to other portals
- > Social Sciences & Humanities

Research and Innovation

AVAILABLE ON THIS PAGE

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





# Conclusions

- **Stoctaking of previous EU projects:**

[http://ec.europa.eu/research/social-sciences/pdf/synopses-fp7-ssh-projects-2011-2012\\_en.pdf](http://ec.europa.eu/research/social-sciences/pdf/synopses-fp7-ssh-projects-2011-2012_en.pdf)

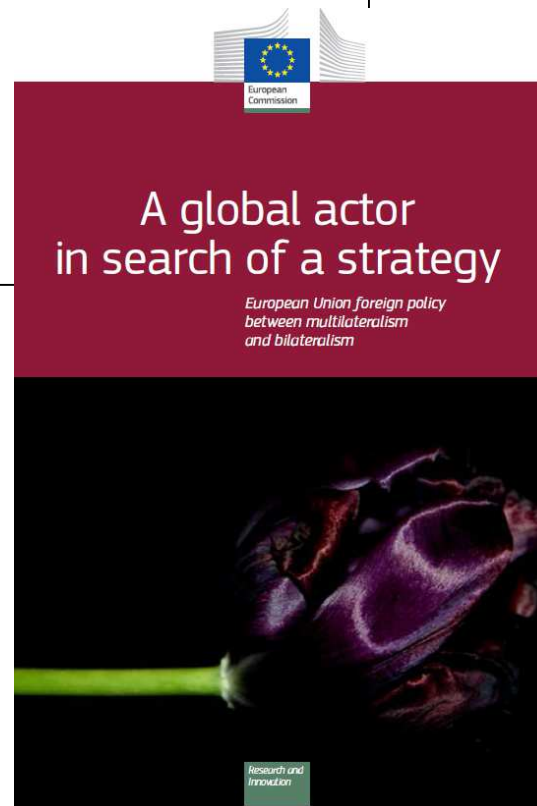
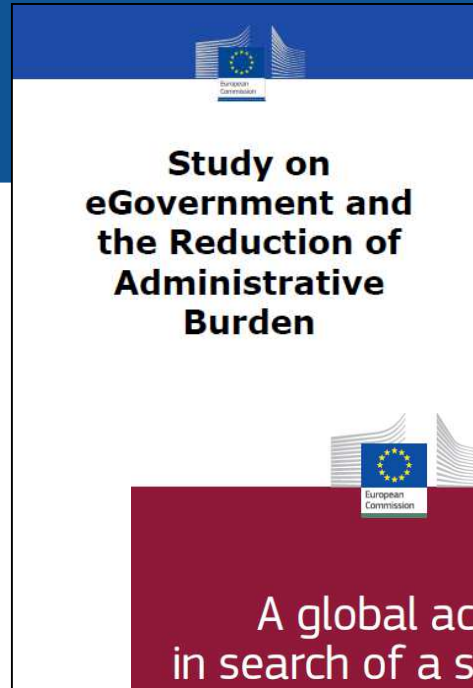
- **Think as a Coordinator or as a Partner (Management)**

- **Look beyond SC6 (Embedding, MSC, ERC)**

- **Multi/pluri/inter/trans-disciplinary projects**

- **If no submission of proposals, register as an Expert at:**

<http://ec.europa.eu/research/participants/portal4/desktop/en/experts/index.html>



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

# Annex 1

## SC6 Projects and Actions funded in 2014 (tbc)



# EURO-Call: Overcoming the crisis

## Resilient and sustainable EMU

- *Effective mechanisms of fiscal coordination in the EU*
- *Fair and sustainable taxation*
- *The impact of macroeconomic and social imbalances on economic stability*
- *The global impacts of the crisis in Europe and the international monetary relations*

**FIRSTRUN:** Fiscal rules and strategies under externalities and uncertainties (Research Institute for the Finnish Economy - FI)

**ADEMU:** A dynamic Economic and Monetary Union (EUI - IT)

**FAIRTAX:** Revisioning the 'Fiscal EU': Fair, sustainable, and coordinated tax and social policies (Umea University - SE)

**EMU\_SCEUS:** The choice for Europe since Maastricht. MS preferences for economic and financial integration (University of Salzburg - AT)

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# EURO-Call: Overcoming the crisis

## The European growth agenda

- *Reform management for economic recovery*
- *Innovation-based growth strategy for Europe*
- *Global production and innovation networks- costs and benefits for EU*
- *Migration, prosperity and growth*

**ISIGROWTH:** Innovation-fuelled, sustainable, inclusive growth (Scuola Normale Superiore Sant'Anna – IT)

**IIT:** Industrial innovation in transition (Aalto – FI)

**FIRES:** Financial and institutional reforms for the entrepreneurial society (Utrecht University – NL)

**QUINNE:** Quality of jobs and innovation generated employment outcomes (Lunds Universiteit – SE)

**GEMM:** Growth, equal opportunities, migration and markets (University of Essex – UK)



# EURO-Call: Overcoming the crisis

## European societies after the crisis

- *Individual reactions to the crisis and challenges to European solidarity*
- *Unity in diversity: prospects of a European identity and public sphere*
- *Innovative social investment approaches for the modernisation of social policies and services*

**SPRINT:** Social protection innovative investment in long term care (University of Warwick - UK)

**TRANSOL:** European paths to transnational solidarity at times of crisis: Conditions, forms, role-models & policy responses (Univ. of Siegen - DE)

**REINVEST:** Rebuilding an inclusive, value-based Europe of solidarity and trust through social investments (Katholieke Universiteit Leuven - BE)

**INNOSI:** Innovative social investment: Strengthening communities in Europe (Manchester Metropolitan University - UK)

**SOLIDUS:** Solidarity in European societies: empowerment, social justice and citizenship (University of Barcelona – ES)

**RE.CRI.RE.:** Between the representation of the crisis and the crisis of representation. How crisis changed the symbolic background of European societies and identities.<sup>22</sup> Implication for policies and policy making (Association des Agences de la démocratie



# EURO-Call: Overcoming the crisis

## Political challenges for Europe

- *The future of European integration*
- *Challenges to democratic practices and parties in the context of the crisis*
- *Political leadership in times of economic, political and social crisis*

**EUENGAGE:** Bridging the gap between public opinion and European leadership: Engaging a dialogue on the future path of Europe (Università degli Studi di Siena - IT)

**ENLIGHTEN:** European legitimacy in governing through hard times: the role of European networks (Copenhagen Business School - DK)

**TRANSCRISIS:** Enhancing the EU's transboundary crisis management capacities: strategies for multi-level leadership (LSE - UK)



## YOUNG-Call: The young generation

### Early job insecurity and labour market exclusion:

**NEGOTIATE:** Negotiating early job - Insecurity and labour market exclusion in Europe (Hogskolen Oslo – NO)

**EXCEPT:** Social exclusion of youth in EU: Cumulative disadvantage, coping strategies, effective policies and transfer (Tallinn Univ. – EE)





# YOUNG-Call: The young generation

## Youth mobility: opportunities, impacts, policies

**MOVE:** Mapping mobility – Pathways , institutions and structural effects of youth mobility in EU (Univ. du Luxembourg – LU)

**YMOBILITY:** Youth mobility: Maximising opportunities for individuals, labour markets and regions in EU (La Sapienza – IT)



## **YOUNG-Call: The young generation**

**Societal and political engagement of young people and their perspectives on Europe**

**PARTISPACE:** Spaces and styles of participation: Formal, no formal and informal possibilities of young people participation in European cities (Goethe University – DE)

**CATCH-EYOU:** Constructing active citizenship with European youth: Policies, practices, challenges and solutions (Univ. di Bologna – IT)



## **YOUNG-Call: The young generation**

**Societal and political engagement of young people and their perspectives on Europe**

**Developing reusable service components, methods and applications to enable public authorities to quickly open their decision-making processes**

**STEP:** using web / social media mining, gamification and visualisation features to promote the societal and political participation of young people in the decision-making process on environmental issues (Draxis Environmental S.A. – EL)

**EUTH:** digital European youth participation platform to be used by administrations and youth organizations to set up participative processes (NEXUS Institut für Kooperations Management und Interdisziplinäre Forschung GmbH - DE)



# REFLECTIVE-Call

**ERA-NET on uses of the past**

**HERA JRP UP:** Joint Research Programme – uses of the past  
(NWO – NL)



## REFLECTIVE-Call

### Advanced 3D modelling for accessing and understanding European cultural assets

**DIGIART:** The Internet of historical things and building new 3D cultural worlds (Liverpool University – UK)

**SCAN4RECO:** Multimodal scanning of cultural heritage assets for their multilayered digitization and preventive conservation via spatiotemporal 4D Reconstruction and 3D Printing (EKETA – EL)

**INCEPTION:** Inclusive cultural heritage in Europe through 3D semantic modelling (Università Ferrara – IT)

**GRAVITATE:** Geometric reconstruction and novel semantic reunification of cultural heritage objects (University of Southampton – UK)



## **REFLECTIVE-Call**

### **Social Platform on Reflective Societies**

**CULTURALBASE:** Social platform on cultural heritage and European identities (Univ. de Barcelona – ES)

### **Mobilising the network of NCPs in SC6**

**NET4SOCIETY4** – Transnational network of NCP for SC6 (DLR – DE)



## INT-Call: Europe as a global actor

**Enhancing and focusing R&I cooperation with the Union's key international partners - Encouraging the R&I cooperation between the Union and selected regional partners**

**China:** DRAGON-STAR Plus Dragon - Sustaining Technology and Research Plus (FORTH – EL)

**Africa:** RINEA – R&I Support for Europe and Africa (DLR – DE)

**Middle East:** MERID - Middle East R&I dialogue (Euro-Mediterranean University – MT)

**Black Sea:** BLACK SEA HORIZON - Enhanced bi-regional STI cooperation between the EU and the Black Sea Region (ZSI - AT)



## **INSO-Call: New forms of innovation**

### **ICT-enabled open government**

**WELIVE:** A new concept of public administration based on citizen co-created mobile urban services (Fundacion Tecnalia R&I – ES)

**YDS:** Your Data Stories (Athens Technology Center – EL)

**ROUTE-TO-PA:** Raising open and user-friendly transparency-Enabling technologies for public administrations (Università di Salerno – IT)

**DIGIWHIST:** The digital whistleblower. Fiscal transparency, risk assessment and impact of good governance policies assessed (University of Cambridge – UK)

**OpenBudgets.eu:** Financial transparency platform for the public sector (Fraunhofer – DE)





## **INSO Call: New forms of innovation**

### **Understanding and supporting business model innovation**

**ENViSION:** Empowering (European) SME business model innovation  
(Technische Universiteit Delft, NL)

### **The economic impact of the Innovation Union**

**I3U:** Investigating the impact of the Innovation Union (University of Maastricht, NL)

### **Platform for ICT for Learning and Inclusion**

**I-LINC:** Platform for ICT learning and inclusion for youth employability and entrepreneurship (Telecentre Europe – BE)

## **Annex 2**

# **SC6 Topics open in 2015**



## **EURO-Call: Overcoming the crisis (€ 17 M)**

**ERA-NET on Smart Urban Futures**

**Meeting new societal needs by using emerging technologies in the public sector**



## **YOUNG-Call: The young generation (€ 9.45)**

**Lifelong learning for young adults: better policies for growth and inclusion in Europe**

**The young as a driver of social change**



## **REFLECTIVE-Call (€ 27.5 M)**

**Emergence and transmission of European cultural heritage and Europeanisation**

**European cohesion, regional and urban policies and the perceptions of Europe**

**Cultural opposition in the former socialist countries**

**The cultural heritage of war in contemporary Europe**

**Innovation ecosystems of digital cultural assets**

**Communication and dissemination platform**

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## **INT-Call: Europe as a global actor (€ 9 M)**

### ***INT-1 and INT-2: Coordination and Support Actions***

**Enhancing and focusing R&I cooperation with the Union's key international partners**

**(2015 focus on: **Australia, Brazil, South Africa, Ukraine USA**, *complementing focus on other countries in 2014*)**

**Encouraging the R&I cooperation between the Union and selected regional partners**

**(2015 focus on: **Southern Mediterranean Neighbourhood; Eastern Partnership**, *complementing focus on other regions in 2014*)**

**Useful reference: EC Communication, *Enhancing and focusing EU international cooperation in research and innovation: A strategic approach* (COM(2012) 497), <http://ec.europa.eu/research/iscp/index.cfm?lg=en&pg=strategy>**

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## **INT-Call: Europe as a global actor (€ 34 M)**

**Europe's contribution to a value-based global order and its contestants**

**The EU's contribution to global development: in search of greater policy coherence**

**Rethinking the EU crisis response mechanism in light of recent conflicts**

**Re-invigorating the partnership between the two shores of the Mediterranean**

**Towards a new geopolitical order in the South and East Mediterranean region**

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## **INT-Call: Europe as a global actor**

**The European Union and the Eastern Partnership**

**The European Union, Turkey and its wider neighbours: challenges and opportunities**

**The EU and integration challenges in the Balkans**

**European cultural and science diplomacy: exploiting the potential of culture and science in the EU's external relations**

**The cultural, scientific and social dimension of EU-LAC (Latin America and the Caribbean) relations**





## **INSO Call: New forms of innovation (€ 21 M + € 11 for SME )**

**ICT-enabled open government**

**Innovative schemes for open innovation and science 2.0**

**Social Innovation Community**

**Innovative mobile e-government applications by SMEs**

**SME Business model innovation**

**Prize: European Capital of Innovation 2016**

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## **Annex 3**

# **SSH flagged Topics in 2015**

## **SSH flagged Topics in 2015**

### **SC1 Health, demographic change and wellbeing** ***Call for Personalising health and care***

- PHC-04-2015 Health promotion and disease prevention: improved inter-sector co-operation for environment and health based interventions
- PHC-21-2015 Advancing active and healthy ageing with ICT
- PHC-22-2015 Promoting mental wellbeing in the ageing population
- PHC-24-2015 Piloting personalised medicine in health and care systems
- PHC-25-2015 Advanced ICT systems and services for integrated care
- PHC-27-2015 Self-management of health and disease and patient empowerment supported by ICT



## **SSH flagged Topics in 2015**

### **SC2 Food security, agriculture and (...) the bioeconomy**

#### ***Call for Sustainable Food Security***

- SFS-01c-2015 Assessing sustainability of terrestrial livestock production
- SFS-11b-2015 Consolidating the environmental sustainability of European aquaculture
- SFS-16-2015 Tackling malnutrition in the elderly
- SFS-18-2015 Small farms, global markets: the role of small and family farms in food and nutrition security\*
- SFS-20-2015 Sustainable food chains through public policies: the cases of the EU quality policy and of public sector food procurement



## **SSH flagged Topics in 2015**

### **SC2 Food security, agriculture and (...) the bioeconomy**

#### ***Call for Blue Growth***

- BG-1-2015 Improving the preservation and sustainable exploitation of Atlantic marine ecosystems
- BG-2-2015 Forecasting and anticipating effects of climate change on fisheries and aquaculture

#### ***Call for an Innovative, Sustainable and Inclusive Bioeconomy***

- ISIB-3-2015 Unlocking the growth potential of rural areas through enhanced governance and social innovation



## **SSH flagged Topics in 2015**

### **SC3 Secure, clean and efficient energy**

#### ***Call for Competitive low-carbon energy***

LCE-06-2015 Transmission grid and wholesale market

LCE-09-2015 Large scale energy storage

LCE-21-2015 Modelling and analysing the energy system, its transformation and impacts\*

\* topic dedicated to SSH research

## **SSH flagged Topics in 2015**

### **SC4 Smart, green and integrated transport**

#### ***Call Mobility for growth***

- MG-5.4-2015 Strengthening the knowledge and capacities of local authorities
- MG-5.5-2015 Demonstrating and testing innovative solutions for cleaner and better urban transport and mobility
- MG-8.4-2015 Smart governance, network resilience and streamlined delivery of infrastructure innovation
- MG-9.1-2015 Transport societal drivers\*

\* topic dedicated to SSH research



## **SSH flagged Topics in 2015**

### **SC5 Climate action, environment, resource efficiency, raw materials**

#### ***Call Water innovation***

WATER-1b-2015 Demonstration/pilot activities

WATER-2b-2015 Integrated approaches to food security, low-carbon energy, water management and climate change mitigation

#### ***Call Waste: A resource to recycle, reuse & recover raw materials***

WASTE-6a-2015 Eco-innovative solutions

WASTE-6b-2015 Eco-innovative strategies



## SSH flagged Topics in 2015

### **SC5 Climate action, environment, resource efficiency, raw materials**

#### ***Call for a Low-carbon Economy***

- SC5-05b-2015 Earth-system modelling and climate services
- SC5-07-2015 More effective ecosystem restoration in the EU
- SC5-10c-2015 An EU support mechanism for evidence-based policy on biodiversity and ecosystems services
- SC5-17-2015 Demonstrating the concept of 'Citizen Observatories'
- SC5-19b-2015 Mapping Member State research and innovation in climate change, environment, resource efficiency and raw materials



## **SSH flagged Topics in 2015**

### **SC6 Europe in a changing world – inclusive, innovative & reflective societies**

#### ***Call Overcoming the Crisis***

- EURO-5-2015 ERA-NET on Smart Urban Futures\*
- EURO-6-2015 Meeting new societal needs by using emerging technologies in the public sector

#### ***Call Young Generation***

- YOUNG-3-2015 Lifelong learning for young adults\*
- YOUNG-4-2015 The young as a driver of social change\*

#### ***Call New Forms of Innovation***

- INSO-1-2015 ICT-enabled open government\*
- INSO-5-2015 Social innovation community\*



## **SSH flagged Topics in 2015**

### **SC6 Europe in a changing world – inclusive, innovative & reflective societies**

#### ***Call Reflective Societies: Cultural Heritage and European Identities***

REFLECTIVE-2-2015	Emergence and transmission of European cultural heritage and Europeanisation*
REFLECTIVE-3-2015	European cohesion, regional and urban policies and the perceptions of Europe*
REFLECTIVE-4-2015	Cultural opposition in the former socialist countries*
REFLECTIVE-5-2015	The cultural heritage of war in contemporary Europe*
REFLECTIVE-6-2015	Innovation ecosystems of digital cultural assets*
REFLECTIVE-8-2015	Communication and dissemination platform*
REFLECTIVE-11-2015	Enabling Innovation - Creating Impact from SSH*

\*topic dedicated to SSH research



## SSH flagged Topics in 2015

### SC6 Europe in a changing world – inclusive, innovative & reflective societies

#### *Call Europe as a Global Actor*

- INT-3-2015 Europe's contribution to a value-based global order\*
- INT-4-2015 The European Union's contribution to global development
- INT-5-2015 Rethinking the European Union crisis response mechanism\*
- INT-6-2015 Re-invigorating the partnership between the two shores of the Mediterranean\*
- INT-7-2015 Towards a new geopolitical order in the South and East Mediterranean region\*
- INT-8-2015 The European Union and the Eastern Partnership\*
- INT-9-2015 The European Union, Turkey and its wider neighbourhood\*
- INT-10-2015 The European Union and integration challenges in the Balkans\*
- INT-11-2015 European cultural and science diplomacy: exploiting the potential of culture and science in the EU's external relations\*
- INT-12-2015 Cultural, scientific and social dimension of EU-LAC relations\*



# **SSH flagged Topics in 2015**

## **SC7 Secure societies**

### ***Call Disaster Resilience***

- DRS-11-2015 Mitigating the impacts of climate change and natural hazards on cultural heritage sites, structures and artefacts
- DRS-14-2015 Critical Infrastructure resilience indicator - analysis and development of methods for assessing resilience
- DRS-15-2015 Protecting potentially hazardous and sensitive sites/areas considering multi-sectorial dependencies
- DRS-22-2015 Impact of climate change in third countries on Europe's security

### ***Call Border Security and External Security***

- BES-13-2015 Conflict prevention and peace building: training curricula for conflict prevention and peace building personnel

# SSH flagged Topics in 2015

## SC7 Secure societies

### *Call Fight against crime and terrorism*

- FCT-2-2015 Advanced easy-to-use forensic tools at the scene of crime
- FCT-4-2015 Internet forensics to combat organized crime
- FCT-9-2015 Identity management
- FCT-15-2015 Better understanding the role of new social media networks and their use for public security purposes\*
- FCT-16-2015 Investigating the role of social, psychological and economic aspects of the processes that lead to organized crime (including cyber related offenses) and terrorist networks and their impact on social cohesion\*

\*topic dedicated to SSH research



# SSH flagged Topics in 2015

## LEIT-ICT

### *Call Information and Communication Technologies*

- |               |   |
|---------------|---|
| ICT-10-2015   | Collective awareness platforms for sustainability and social innovation |
| ICT-19-2015   | Technologies for creative industries, social media and convergence      |
| ICT-20-2015ab | Technologies for better human learning and teaching                     |
| ICT-30-2015b  | Internet of Things and platforms for connected smart objects            |

## LEIT-NMBP

### *Call Nanotechnologies, Advanced Materials and KET support actions*

- |             |   |
|-------------|---|
| NMP-32-2015 | Societal engagement on responsible nanotechnology |
|-------------|---|