**2-3 December 2013**

## HORIZON 2020 – SOCIETAL CHALLENGE 6

## INCLUSIVE, INNOVATIVE AND REFLECTIVE SOCIETIES

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# Horizon 2020 Structure and approach

# Horizon 2020 programme

➢ **The world's largest and comprehensive funding programmes for research and innovation (€ 10 B/y)**

➢ **Truly collaborative European endeavour (EU stakeholders and researchers, EU legislators)**

➢ **Supporting EU's economic competitiveness, developing scientific knowledge-base and improving environmental and social sustainability**

➢ **Addressing major world and EU challenges – Using new knowledge, technologies and innovations to turn these challenges into opportunities**

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# Horizon 2020 novelties

➢ **Challenge-based approach allowing applicants to have considerable freedom to come up with innovative solutions**

➢ **Broader topics (beyond thematic programmes), less prescriptive and with emphasis on expected impact**

➢ **Simplified list of types of action mostly Research and innovation (100%) and Innovation actions (70%)**

➢ **Cross-cutting issues mainstreamed: social sciences, gender, international cooperation**

➢ **Reinforced collegial governance through Horizon Groups (inputs from many Policy DGs)**

# Horizon 2020 key drivers

**"Key drivers" used to identify areas on which resources and effort will be focused for maximum impact**

- ➢ **Sustainable competitiveness, innovation and growth**

- ➢ **Leveraging engagement of industry, including SMEs**

- ➢ **Access to finance**

- ➢ **Developing new knowledge and contributing to skills**

- ➢ **Deployment of enabling technologies**

- ➢ **Measures to address the research and innovation divide**

- ➢ **Supporting strong partnership with Member States**

- ➢ **Strategic approach to international cooperation**

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# EU budget 2014-2020 & Horizon 2020

**Commission proposals**

**29 June 2011 & 30 November 2011**

**European Council conclusions**

**8 February 2013**

**MFF
€ 1,025 bn**

**MFF
€ 908 bn**

**Horizon 2020
€ 80 bn**

**Horizon 2020
€ 70 bn**

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**Source: EC**

# Horizon 2020  pillars

- ➢ **Excellent science**

- ➢ **Industrial leadership**

- ➢ **Societal challenges**

# Excellent science

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|---|
| **European Research Council**<br><br>Frontier research by the best individual teams |
| **Future and Emerging Technologies**<br><br>Collaborative research to open new fields of innovation |
| **Marie Curie-Sklodowska actions**<br><br>Opportunities for training and career development |
| **Research infrastructures** (including e-infrastructure) - Ensuring access to world-class facilities |

# Excellent science

# Industrial leadership

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|---|
| **Leadership in enabling & industrial technologies** (ICT, nanotechnologies, materials, biotechnology, manufacturing, space) |
| **Access to risk finance**<br><br>Leveraging private finance and venture capital for research and innovation |
| **Innovation in SMEs**<br><br>Fostering all forms of innovation in all types of SMEs |

# Societal Challenges

| | |
|---|---|
| 1 | **Health**, demographic change and wellbeing |
| 2 | Agriculture and forestry, marine and maritime and inland water research and the **bioeconomy** |
| 3 | Secure, clean and efficient **energy** |
| 4 | Smart, green and integrated **transport** |
| 5 | Climate action, environment, **resource efficiency** and raw materials |
| 6 | **Inclusive**, innovative and reflective societies |
| 7 | **Secure** societies |

# Horizontal issues

➢ **Spreading excellence and widening participation**

➢ **Science with and for society**

➢ **EIT**

➢ **JRC**

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# Implementing SSH in Horizon 2020

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# Implementing SSH in Horizon 2020

**By explicitly including one/several of the following points in the Topics:**

➢ **Economic feasibility of the implementation - almost a "business plan" for close-to-the market R&I actions**

➢ **Social acceptability of the new technology/ product/service developed under Horizon 2020**

➢ **Human and expected behavioural change impact resulting from the R&I actions**

➢ **Governance and institutional adaptations required to accommodate the new technology/ product/service**

➢ **Forward-looking dimension**

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# SSH in Horizon 2020

1. **Dedicated SSH topics (e.g. called the 'the socio-economic dimension of..') – cf. Food, Energy, Transport, Inclusive and Security**

2. **Embedding SSH in inter-disciplinary Topics – cf. LEIT and Challenges**

# Examples of SSH-relevant themes

➢ **SC1: Understanding the determinants of health and optimising the effectiveness of healthcare provisions**

➢ **SC2: Support to policies empowering rural areas and promoting informed consumer choices**

➢ **SC3: Robust decision making on energy policy and a transition to a sustainable energy system**

# Examples of SSH-relevant themes

➢ **SC4: Supporting evidence based transport policy and foresight, urban mobility**

➢ **SC5: Support to CC mitigation and adaptation strategies, resource efficiency initiatives towards a green economy**

➢ **SC7: Cultural and socio-economic aspects of security, risk and management issues (including legal & human rights)**

# Societal Challenge 6
# Calls and Work Programme
# 2014 – 2015

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# Societal Challenge 6 objective

*"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"*

**H2020 draft regulation**

# Societal Challenge 6

➤ **Inclusive societies**

- ❑ **Smart, sustainable and inclusive growth**
- ❑ **Resilient, participatory, open and creative societies (migration, integration, demographic change)**
- ❑ **Europe's role as a global actor**
- ❑ **Inclusive environments – innovative spatial and urban planning**

➤ **Innovative societies**

- ❑ **Evidence base support for the IU and ERA**
- ❑ **New forms of innovation**
- ❑ **Creative and productive potential for all generations**
- ❑ **Cooperation with third countries**

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**Source: Draft Specific Programme**

# Societal Challenge 6

➢ **Reflective societies**

- ❑ **European heritage (memory, identity, cultural interaction)**
- ❑ **European countries' and regions' history, literature, art, philosophy and religions**
- ❑ **Europe's role in the world, mutual influence**

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**Source: Draft Specific Programme**

# Challenge 6 structured around 5 Calls 2015 to be confirmed

1. **Overcoming the crisis (strategies and governance structures for Europe)**
2. **The Young generation (labour market, mobility, inclusion)**
3. **Reflective Societies (cultural heritage and European identities)**
4. **Europe as a global actor (supporting EU external policies & increasing international cooperation)**
5. **New forms of innovation (business models, social innovation, public sector innovation)**

# Call 1: Overcoming the crisis (2014-2015)

| | |
|---|---|
| **1.** | **Resilient and sustainable economic and monetary union in Europe** |
| **2.** | **The European growth agenda** |
| **3.** | **European societies after the crisis** |
| **4.** | **Political challenges for Europe** |
| **5.** | **ERA NET on smart urban futures** |
| **6.** | **Meeting new societal needs by using emerging technologies in the public sector** |

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# Call 2: The Young generation (2014/2015)

| | |
|---|---|
| 1. | **Early job insecurity and labour market exclusion** |
| 2. | **Youth mobility: opportunities, impacts, policies** |
| 3. | **LLL for young adults: better policies fro growth and inclusion in Europe** |
| 4. | **The young as a driver of social change** |
| 5. | **Societal and political engagement of young people and their perspectives on Europe** |

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# Call 3: Reflective societies (2014/2015)

1. ERA Net on Uses of the past
2. Emergence and transmission of European cultural heritage and Europeanization
3. European regional policies and the perceptions of Europe
4. Cultural opposition in the former socialist countries
5. The cultural heritage of war in contemporary Europe
6. Innovation ecosystems of digital cultural assets
7. Advanced 3D modelling for accessing and understanding European cultural assets
8. Communication and dissemination platform
9. Social Platform on Reflective Societies
10. Mobilising the network of NCP in SC6

# Call 4: Europe as a global actor (2014/2015)

| | |
|---|---|
| 1. | **Enhancing and focusing R&I cooperation with the Union's key international partners** |
| 2. | **Encouraging the R&I cooperation between the Union and selected regional partners** |
| 3. | **Europe's contribution to a value-based global order and its contestants** |
| 4. | **The EU's contribution to global development: in search of greater policy coherence** |
| 5. | **Rethinking the EU crisis response mechanism in light of recent conflicts** |
| 6. | **Re-invigorating the partnership between the two shores of the Mediterranean** |
| 7. | **Towards a new geopolitical order in the South and East Mediterranean region** |

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# Call 4: Europe as a global actor (2014/2015)

| 8. | The European Union and the Eastern Partnership |
|----|------------------------------------------------|
| 9. | The European Union, Turkey and its wider neighbours: challenges and opportunities |
| 10. | The European Union and integration challenges in the Balkans |
| 11. | European cultural diplomacy: exploiting the potential of culture in the EU's external relations |
| 12. | The cultural and social dimension of EU-LAC (Latin America and the Caribbean) relations |

# Call 5: New forms of innovation (2014/2015)

| | |
|---|---|
| 1. | ICT-enabled open government |
| 2. | Understanding and supporting business model innovation |
| 3. | The economic impact of the Innovation Union |
| 4. | Innovative schemes for open science & innovation 2.0 |
| 5. | Social Innovation Community |
| 6. | Platform for ICT for learning and inclusion |

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# Call 5: New forms of innovation (2014/2015)

| | |
|---|---|
| 7. | **Towards joint programming under H2020** |
| 8. | **Synchronised Call initiatives** |
| 9. | **Innovative mobile e-government applications by SMEs** |
| 10. | **SME business model innovation** |
| | |

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# Other actions

| I. | Actions to foster innovation policies: strengthen the evidence-base for R&I policy making |
|---|---|
| II. | Actions to foster innovation policies: support the development of R&I policies |
| III. | Actions to foster innovation policies: new forms of innovation |
| IV. | International cooperation |
| V. | External expertise |
| VI. | COST |

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# Practical aspects

# H2020 – Funding model

**Simplification and the funding model:**

- ➢ **Single funding rate per project for all participants and all activities**
- ➢ **100% funding rate for non-profit organisations for 'innovation actions'**
- ➢ **Flat rate of 25 % for indirect costs**

# Cross-cutting issues mainstreamed

➢ **SSH to be taken up by all societal challenges and LEITs**

Dedicated SSH topics and "embedding" SSH in topics with genuine inter-disciplinary approach

➢ **Gender to be taken up by all societal challenges and LEITs**

References to gender dimension included, where relevant and expected

➢ **International cooperation**

Strong and visible reference to the general opening across Horizon 2020 to attract international participants; Opportunities for specific international cooperation included in all parts

➢ **Flagging tool will be provided, giving immediate link to certain topics which correspond to important horizontal issues**

# " Topics " of the Work Programme

The structure of each Topic respects the challenge based approach, i.e. 3 key features:

- **Specific Challenge:** *Sets the context, the problem to be addressed, why intervention is necessary*

- ***Scope:*** *delineates the problem, specifies the focus and the boundaries of the potential action BUT without describing specific approaches*

- ***Expected Impact:*** *describes the key elements of what is expected to be achieved in relation to the specific challenge*

# Evaluation criteria (tbc)

## 1. Excellence

- ➢ Clarity of the objectives
- ➢ Soundness of the concept, including transdisciplinary considerations
- ➢ Credibility of the proposed approach
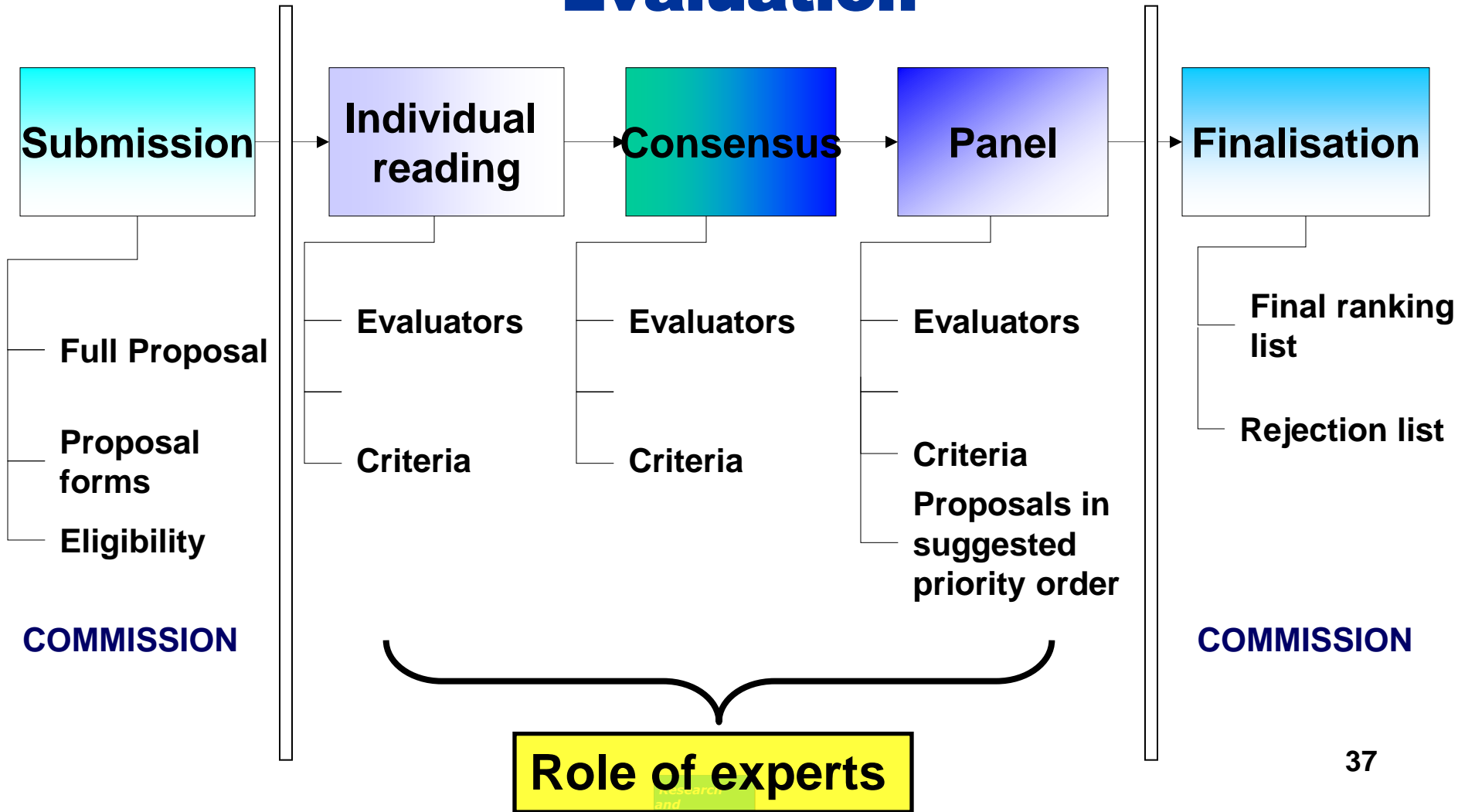- ➢ Progress beyond the state of the art

## 2. Impact [...] extent to which project outputs contribute to

- ➢ The expected impacts listed in the work programme under the relevant topic
- ➢ Enhancing innovation capacity and integration of new knowledge
- ➢ Strengthening the competitiveness and growth of companies by developing innovations meeting the needs of European and global markets
- ➢ Effectiveness of the proposed measures to communicate the project, disseminate and/or exploit the project results, and appropriate management of IPR

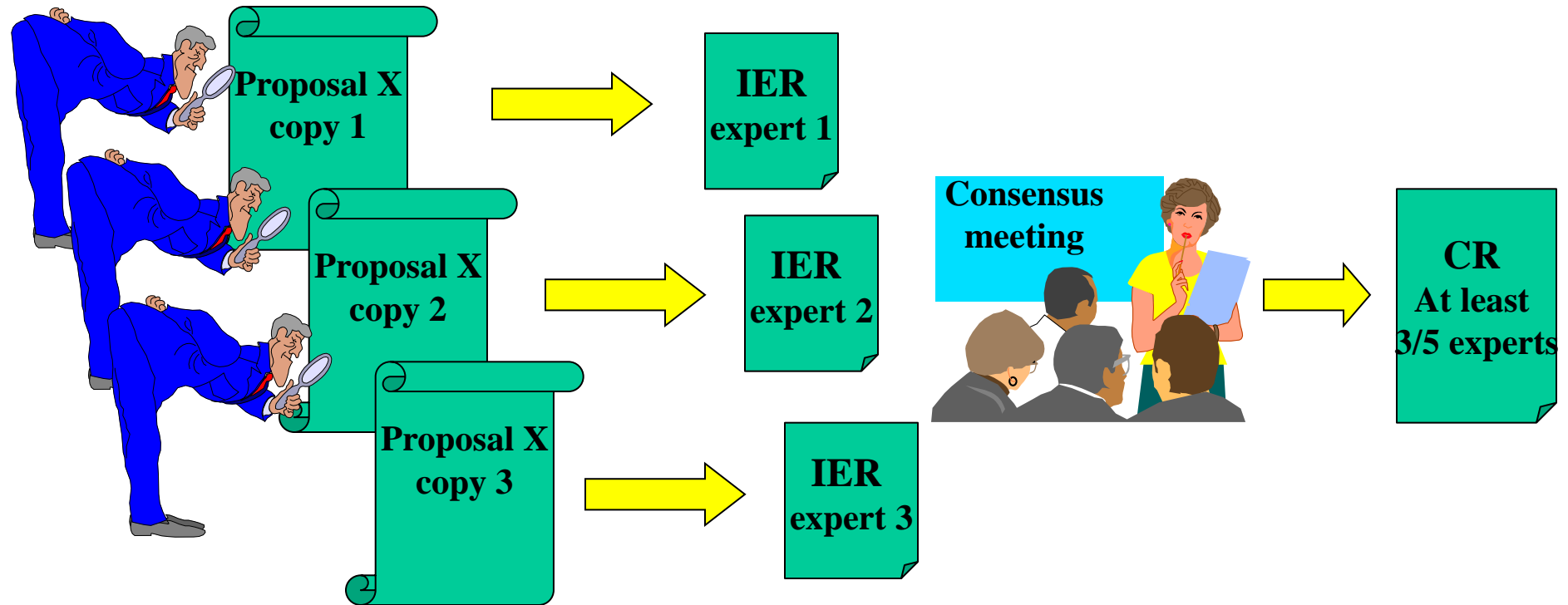## 3. Quality and efficiency of implementation

- ➢ Coherence and effectiveness of the work plan, including appropriateness of the allocation of tasks and resources
- ➢ Competences, experience and complementarity of the individual participants, as well as of the consortium as a whole
- ➢ Appropriateness of the management structures and procedures, including risk management

# For each proposal

**May be "remote"**

Proposal X copy 1 → IER expert 1

Proposal X copy 2 → IER expert 2

Proposal X copy 3 → IER expert 3

Consensus meeting → CR At least 3/5 experts

**IER=Individual evaluation report**
**CR=Consensus Report**

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# WP adoption timetable

- ➤ **Consultation of Member States: Sept - Nov 2013**

- ➤ **Political decisions on Horizon 2020: 21 Nov 2013**

- ➤ **Adoption of (provisional) WP: 10 Dec 2013**

- ➤ **Publication of first calls for proposals: 11 Dec**

- ➤ **National launch events: Oct 2013 - Feb 2014**

# Last SSH projects funded under FP7

*http://ec.europa.eu/research/social-sciences/pdf/synopses-fp7-ssh-projects-2011-2012_en.pdf*

European Commission

SOCIO-ECONOMIC SCIENCES AND HUMANITIES

**Synopsis of FP7 projects 2011-2013**

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