Socio-Economic Sciences and Humanities (SSH)

Educational research in the 7th Framework programme for research and technology

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• FP7 and SSH in general
• SSH Workprogramme for 2012 and related calls for proposals
• Challenge « education systems in the 21st century »
• Evaluation process
• Past and ongoing research projects in the area of education and training
• Horizon 2020
Framework Programme 7 (FP7) is the EU's main instrument for funding research in Europe and it will run from 2007-2013. FP7 is a key tool designed to respond to Europe's employment needs, competitiveness and quality of life.
EU Research Policy: Implementation

- FP7 is organised in 4 specific programmes:
  - **Co-operation** (10 thematic areas including health, industrial technologies, social science, security, information & communication technologies...)
  - Ideas (frontier research)
  - People (training and mobility)
  - Capacities (infrastructures)
FP7 budget (€ 50 521 million)

- Cooperation, 32 413
- Ideas; 7 510
- People; 4 750
- Capacities; 4 097
- JRC (EC); 1 751

Note: Euratom FP: €2.7 billion over 5 years - not included above
The Cooperation specific programme—
the budget

The Cooperation Programme breakdown
(€ million)

- Environment €1890 (including climate change)
- Energy €2350
- Nano production €3475
- Space €1430
- Security €1400
- Health €6100
- Food, agriculture & fisheries, & biotechnology €1935
- Socio-economic sciences & the humanities €623
- Transport €4160 (including aeronautics)
- Information & communication technologies €9050
Socio-Economic Sciences and Humanities:

- In many Cooperation “Themes” like food, agriculture, environment, energy, transport...

- **In Theme 8: specific programme SSH** with a budget of EUR 623 millions (2007-2013)
  - The biggest world R&D programme in SSH
  - Problem-oriented and policy-relevant
  - Almost 350 projects and 3000 research organisations involved between 2002 and 2010 (including FP6)
EU research in SSH: Objectives

Knowing: Data, statistics, indicators
Explaining: Tools, definitions, methods
Understanding: Context, causes, mechanisms
Forward looking: Modelling, foresight, scenario
Recommendating: From knowledge to policy
SSH, theme 8, of the “Cooperation” Specific Programme (FP7)

- **Addressing major challenges** facing EU and the World:
  - growth, employment, competitiveness, **education, knowledge society**.
  - combining economic, social and environmental objectives: energy, agriculture, rural and urban issues.
  - global interactions and interdependence; conflicts and peace.
  - participation, democracy, governance; European diversities and commonalities.
SSH Research Activities

Five Activities based on major challenges for the EU:

- Growth, employment and competitiveness in a knowledge society
- Combining economic, social and environmental objectives in a European perspective
- Major trends in society and their implications
- Europe in the world
- The Citizen in the EU

Two “cross-cutting” Activities:

- Socio-economic and scientific indicators
- Foresight activity

Plus a few horizontal supporting activities
The 2012 Work Programme: Policy links

The SSH 2012 Work Programme supports the current EU policy priorities (e.g. Europe 2020 Strategy)

Three main priorities of the Europe 2020 strategy:

(1) **Smart growth**: developing an economy based on knowledge and innovation;
(2) **Sustainable growth**: promoting a more resource efficient, greener and more competitive economy; and
(3) **Inclusive growth**: fostering a high-employment economy delivering social and territorial cohesion.
FP7 SSH 2012 Calls for Proposals

The SSH Work programme for 2012 and the related calls for proposals published on 19 July 2011

89 M€ for calls for proposals

http://ec.europa.eu/research/social-sciences/funding_en.html
Deadlines and timeline

• Calls 1 and 2: Common deadline: 2nd February 2011

• Electronic Proposal submission through EPSS

• Indicative evaluation and contractual timetable: evaluation of proposals in May 2011 and first grant agreements expected to be signed in November 2011.
Administrative Structure of the Work Programme

• **1st call (FP7-SSH-2012-1): EUR 39 million** to support:
  - Collaborative projects (large scale integrating projects) for **6 “challenges”**

• **2nd call (FP7-SSH-2012-2): total budget of EUR 48 million** to support:
  - Collaborative projects (small or medium-scale focused research projects) in **13 topics**
  - Collaborative project (small or medium-scale focused research project) for specific cooperation action dedicated to international cooperation in **4 topics**
  - and Coordination and Supporting actions in **4 topics**
Challenges

- **Educational systems in the XXIst century (Activity 1)**
  
- Governing cohesion and diversity in urban contexts (Activity 2)

- Making longevity an asset for economic and social development

- Families in transitions (both Activity 3)

- Human rights in the EU external relations and internal policies (Activity 4)

- Exercising EU citizenship: removing barriers (Activity 5)
Topics Activity 2:

Combining economic, social and environmental objectives in a European perspective

• Social innovation against inequalities
• Social innovation for vulnerable populations
• European energy security, including its economic dimension
• New types of offenses in a globalised world: the case of environmental crime
• Climate change uncertainties: policymaking for the Pacific front
What do we expect from a research addressing a « challenge »?

- a set of different actions in a large-scale integrating project
- new knowledge
- Dialogue/interface with needs of policy makers and other stakeholders
- development of European Research Area in the field
Challenges

and also:

- Plurality of perspectives/disciplines
- Capitalisation of previous research, stock-taking
- Forward-looking/foresight analysis if relevant
- International cooperation dimension if relevant
Challenges

and also:

- Dissemination and exploitation in a variety of contexts (scientific, policy, media, civil society ...)
- Critical mass of actors, key stakeholders
- Professional approach in management and administration
- Ethical and gender aspects in the content and conduct of the research
Challenge « Educational systems in the 21st century »

• **Activity 8.1** Growth, employment and competitiveness in a knowledge society

  – **Area 8.1.1** Changing role of Knowledge throughout the economy

• **Challenge SSH2012.1.1-1** Education systems in the 21st century (under 1st call: FP7-SSH-2012-1)
Challenge « Educational systems in the 21st century »

Research on:
reforming the education systems to tackle the challenges of the 21st century

Target: pre-school, primary and secondary education (ISCED 0 to 3)
Challenge
« Educational systems in the 21st century »

Objectives (1/2): understand and provide new insight on:

- dynamics and processes of changes for education systems

- challenges linked to European initiatives such as ‘youth on the move’
Objectives (2/2):

- Acquisition of capacities for change
- Innovative typologies of educational systems
- Innovative indicators
Challenge
« Educational systems in the 21st century »

All relevant aspects should be covered such as:

pedagogy, new ways of learning (including insights from neurosciences if applicable), curricula, assessment, infrastructures, recruitment, training and careers, gender, minorities, educators, involvement of parents, children and young people, the role of national, regional or local administrations and of all other actors in society in need of strong educational achievements ...
Challenge « Educational systems in the 21st century »

A transdisciplinary approach is needed

Plurality of perspectives and dimensions:
Political, cultural, social, economical ...

And a particular accent on European citizenship
Challenge « Educational systems in the 21st century »

Impact:

- Advance knowledge base
- Underpin relevant policies in Europe
- Achieve critical mass of actors, resources and achievements
- Involve relevant communities, stakeholders and practitioners

... with a view of reforming educational systems
Challenge
« Educational systems in the 21st century »

**Funding scheme:** collaborative project – large scale integrating project

**Requested European Union contribution:**
not less than 5.500.000€ (minimum!) – eligibility criterion

The total budget available for the topic is EUR 6.5 million (**maximum EC contribution**)
Challenge
« Educational systems in the 21st century »

Additional Eligibility criterion:

at least 7 partners from a minimum of 7 countries
At least 7 independent legal entities, each of which is established in a Member State or Associated Countries, and no 2 of which are established in the same MS or AC.
• Each proposal will be evaluated by ‘peer review’ by a minimum of 5 experts

• The three evaluation criteria are:
  - Scientific and/or technological excellence (relevant to the topics addressed by the call)
  - Quality and efficiency of the implementation and the management
  - Potential impact through the development, dissemination and use of project results

• Thresholds: minimum 3/5 for each criterion and minimum total of 10/15

See the detailed description of the eligibility and evaluation criteria in Annex 2 of the ‘Cooperation’ Specific Programme Work Programme and annex 2 of the relevant Guide for Applicants;
EU Educational Research: main topics funded so far (FP6 and FP7)

- Knowledge and skills (Lisbon strategy)
- Lifelong learning
- Education and employment
- Inclusion and cohesion
- Youth
- Culture and citizenship
Research projects on education and training in SSH

- **FP7**: 6 projects are directly addressing education for a total EC contribution of more than 10M€

- **FP6**: SSH has supported 17 projects related to education and training, or to their links to the Lisbon Strategy, inclusion, youth, culture and migration for a total EC contribution of more than 26M€.

- Details on FP6 projects can be found in the following synopsis: [http://ec.europa.eu/research/social-sciences/pdf/european-research-on-education-and-training_en.pdf](http://ec.europa.eu/research/social-sciences/pdf/european-research-on-education-and-training_en.pdf)
Research portfolio

Includ-ED

LLLIn Europe

Edumigrom

Goete
Governance of Educational Trajectories in Europe

YIPPEE young people from a public care background pathways to education in Europe

REMCI

EUROPEAN EDUCATIONAL RESEARCH Quality Indicators


• **YIPPEE** – Young people from a public care background: pathways to education in Europe – [http://tcru.ioe.ac.uk/yippee](http://tcru.ioe.ac.uk/yippee) (01/08 - 06/10), EC contribution: 1.485.000€.


Out of the Workprogramme 2011

• LLLIGHT’in’Europe - Lifelong learning, Innovation, Growth and human capital Tracks in Europe
  • selected following the calls for proposals 2011, currently under negotiation
  • It will start in January 2012 and will get 2.7M€ EC contribution
  • based on empirical work on a limited number of key industrial or service sectors, will analyse to what extent and how lifelong learning contributes to growth and competitiveness and map how lifelong investments in knowledge and skills, both job-specific and transversal, transfer into societal outcomes.
Additional info on SSH and the open calls at:

- **SSH programme:**

- **Calls for proposals:**

- **European Research on Education and Training**

- **Education, Policy review series n°4**
National Contact Points

• Advice and support in preparing proposals

• Their network http://www.net4society.eu/

• List under « get support »:
  http://ec.europa.eu/research/participants/portal/page/cooperation?callIdentifier=FP7-SSH-2011-1
Designing Horizon 2020

- European Commission Green Paper – “From challenges to opportunities. Towards a Common Strategic Framework for EU research and innovation funding”

- consultation (almost 800 position papers and 2000 responses received)

- seminars with Member States (and associated States) and stakeholders (academia, research community, industry and civil society)

- Answering to the EU policy requests

- Taking stock of the existing research and innovation activities

- Exploitation of these ideas for drafting the details on the Horizon 2020

- Commission proposal on Horizon 2020: before the end of 2011
aspects related to SSH:

- Devoted SSH programme
- Mainstreaming SSH within the « grand challenges »
A variety of topics has been suggested for the Social Sciences and Humanities, featuring prominently social, health and education issues as well as more broadly issues of societal transformation.
Europe 2020 Strategy

Main goal
Get EU smartly **out of the crisis** ...
and put it on **accelerated growth path**...

to start **narrowing the gap with US**...
and **retain competitive edge**

Clear targets
1) 75% employment
2) 3% of GDP for R&D
3) 20/20/20 climate package
4) improve education (early school leavers <10%, tertiary degree >40%)
5) 20 mln less people in risk of poverty

Objectives
**Smart** growth
**Sustainable** growth
**Inclusive** growth
Reforming education systems can contribute to:

**Europe 2020 targets** (75% employment, 3% GDP for R&D, early schools leavers, tertiary degrees, poverty)

**Europe 2020 objectives**: smart growth and inclusive growth

Education is key in Europe 2020 flagship initiatives: Youth on the move, An agenda for new skills and jobs, Platform against poverty, Innovation Union.
Challenge

« Educational systems in the 21st century »

Strategic framework for European cooperation in education and training ("ET 2020") - DG EAC

- Making lifelong learning and mobility a reality;
- Improving the quality and efficiency of education and training;
- Promoting equity, social cohesion and active citizenship;
- Enhancing creativity and innovation, including entrepreneurship, at all levels of education and training.

Using « Open method of coordination »
Horizon 2020

the EU framework programme for research and innovation
What is Horizon 2020

• Commission proposal for a 90 billion euro research and innovation funding programme (2014-20)

• Part of proposals for next EU budget, complementing Structural Funds, education, etc.

• A core part of Europe 2020, Innovation Union & European Research Area:
  
  – **Responding to the economic crisis** to invest in future jobs and growth
  – **Addressing peoples’ concerns** about their livelihoods, safety and environment.
  – **Strengthening the EU’s global position** in research, innovation and technology
What’s new

• **A single programme** bringing together three separate programmes/initiatives*

• **More innovation**, from research to retail, all forms of innovation

• **Focus on societal challenges** facing EU society, e.g. health, clean energy and transport

• **Simplified access**, for all companies, universities, institutes in all EU countries and beyond.

*The 7th research Framework Programme (FP7), innovation aspects of Competitiveness and Innovation Framework Programme (CIP), EU contribution to the European Institute of Innovation and Technology (EIT)*
Three priorities:

1 Excellent science

2 Industrial leadership

3 Societal challenges
Priority 1  Excellent science

• Why:

• World class science is the foundation of tomorrow’s technologies, jobs and wellbeing

• Europe needs to develop, attract and retain research talent

• Researchers need access to the best infrastructures
<table>
<thead>
<tr>
<th>European Research Council</th>
<th>Frontier research by the best individual teams</th>
</tr>
</thead>
<tbody>
<tr>
<td>Future and Emerging Technologies</td>
<td>Collaborative research to open new fields of innovation</td>
</tr>
<tr>
<td>Marie Curie actions</td>
<td>Opportunities for training and career development</td>
</tr>
<tr>
<td>Research infrastructures (including e-infrastructure)</td>
<td>Ensuring access to world-class facilities</td>
</tr>
</tbody>
</table>
Priority 2 Industrial leadership

• Why:
  • Europe needs more innovative SMEs to create growth and jobs
  • Strategic investments in key technologies (e.g. advanced manufacturing, micro-electronics) underpin innovation across existing and emerging sectors
  • Europe needs to attract more private investment in research and innovation
<table>
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<tr>
<th>Leadership in enabling and industrial technologies (<em>ICT, nanotechnologies, materials, biotechnology, manufacturing, space</em>)</th>
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<tbody>
<tr>
<td>Access to risk finance</td>
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<tr>
<td><em>Leveraging private finance and venture capital for research and innovation</em></td>
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<tr>
<td>Innovation in SMEs</td>
</tr>
<tr>
<td><em>Fostering all forms of innovation in all types of SMEs</em></td>
</tr>
</tbody>
</table>
Priority 3 Societal challenges

- **Why:**
- EU policy objectives (climate, environment, energy, transport etc) cannot be achieved without innovation
- Breakthrough solutions come from multi-disciplinary collaborations, including social sciences & humanities
- Promising solutions need to be tested, demonstrated and scaled up
<table>
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<tr>
<th>Health, demographic change and wellbeing</th>
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<tr>
<td>Food security, sustainable agriculture &amp; the bioeconomy</td>
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<tr>
<td>Secure, clean and efficient energy*</td>
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<tr>
<td>Smart, green and integrated transport</td>
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<tr>
<td>Climate action, resource efficiency and raw materials</td>
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<td>Inclusive, innovative and secure societies</td>
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*Additional [] for nuclear safety and security from the Euratom Treaty activities. Does not include ITER.
Next steps

- **From 30/11:** Parliament and Council negotiations on the basis of the Commission proposals

- **Ongoing:** Parliament and Council negotiations on EU budget 2014-20 (including overall budget for Horizon 2020)

- **Mid 2012:** Final calls under 7th Framework Programme for Research to bridge gap towards Horizon 2020

- **By end 2013:** Adoption of legislative acts by Parliament and Council on Horizon 2020

- **1/1/2014:** Horizon 2020 starts; launch of first calls
More information on EU research

http://ec.europa.eu/research/
Thank you for your attention!

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