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Science in Society Capacities Specific Programme

**European Commission
Research DG
Directorate L – “Science,
Economy and Society”**

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FP7 2007-2013

Cooperation
mio € 32,365

Ideas
mio € 7460

People
mio € 4728

Capacities
mio € 4217

+ JRC (nuclear & non-nuclear) + Euratom

Infrastructures
mio € 1700

SME
mio € 1336

Regions
mio € 126

Potential
mio € 370

Science in Society
mio € 330

International
mio € 185





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Science in Society Background

● Policy context

- Lisbon and Göteborg Strategies (knowledge-based society, sustainable development) : political priorities of the European Union.
- The success of these strategies require the involvement and active participation of citizens in the creation, sharing and dissemination of knowledge.
- (Increasing?) distance and distrust from society regarding science and research.





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Science in Society Background

● **Some pointers:**

- Eurobarometer 2005 – Europeans, Science and Technology: Ambivalent attitude of citizens towards science.
- Decline in young people's interest in science
- Strong public opposition to certain scientific developments (GMOs,..)
- Fears that research could undermine personal integrity.
- Feelings that research and scientific development may be harmful to the planet.





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Science in Society Background

- **Three possible approaches to this lack of confidence**

- ➔ Deficit model: the problem is a result of a lack of knowledge among the general public. Let's explain and educate. When the public knows, they will understand us.
- ➔ Moratorium: "Stop before it's too late". The precautionary principle is at risk of becoming a principle of prevention.
- ➔ An inclusive approach to Science in Society: encouraging debate; why and how should we do science?





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Science in Society in FP7

- **From Science and Society... to Science in Society:**

- ➔ A more inclusive and coherent approach (3 Action lines in SP)
- ➔ Mobilising the research community on SiS research themes
- ➔ Aligning our approach with other research themes and other EU policies





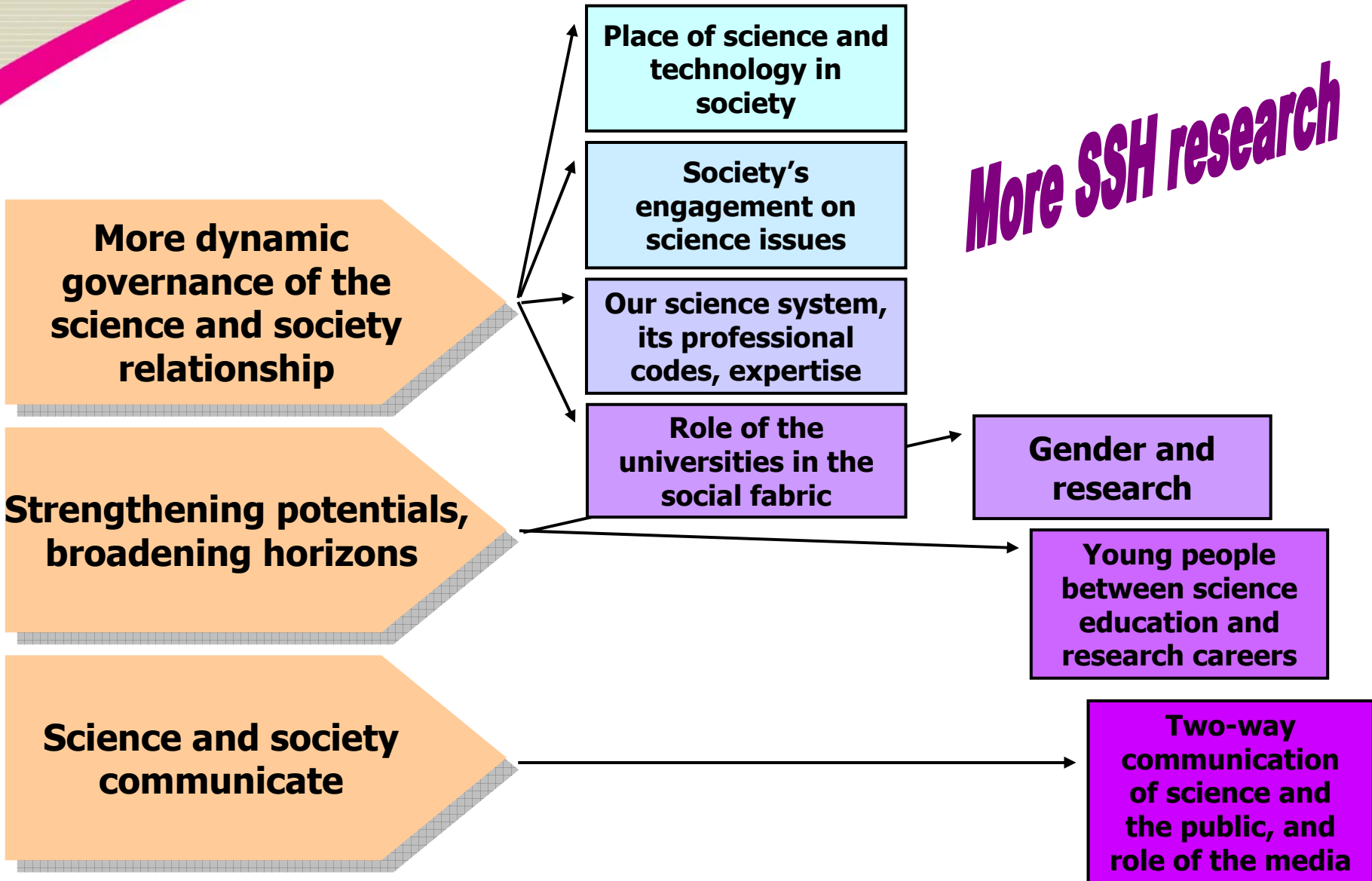
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Science in Society

Three action lines

More SSH research





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Science in Society Work Programme 2007

- **Work Programme 2007:**

- Follows the action lines of the Specific Programme
- Sets out the actions to be undertaken during the year
- Aims at consolidation and continuity

- **Preparation:**

- Consultation with stakeholders
- Advisory Group meetings (7 July and 26 September 2006)
- Programme Committee (MS and associated countries)

- **Budget:**

- 2007: 29,9 Meuros (21,79 for the Call)
- 2008 : 32,4 Meuros





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Science in Society Work Programme 2007 Structure

- **Three action lines:**

- ➔ A more dynamic governance of the science and society relationship
- ➔ Strengthening potential, broadening horizons
- ➔ Science and society communicate

+ Strategic activities (NCPs, Advisory Groups)





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Science in Society Work Programme 2007

Action line 1: A more dynamic governance of the science and society relationship

*Better understanding of the place of science and
technology in society*

- ➔ Towards a research agenda on the science and society relationship
 - ◆ History, STS studies and the contribution of research to policies
 - ◆ Ethics in science and technology
 - ◆ Reciprocal influence of science on culture





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Science in Society Work Programme 2007

Action line 1: A more dynamic governance of the science and society relationship

***Broader engagement to anticipate and clarify political,
societal and ethical issues***

- Developing governance processes on science-related questions
 - ◆ Cooperative research; CSO capacity-building in research
- Encouraging a European approach to ethics
 - ◆ European Ethics Documentation Centre
 - ◆ Networking national Ethics Committees
 - ◆ Capacity-building in developing countries
- Cross-thematic activities: Environment, Energy, Nanotechnologies





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Science in Society Work Programme 2007

Action line 1: A more dynamic governance of the science and society relationship

Strengthening and improving the European science system

- Stimulating debate on access to scientific results
- Supporting self-regulation in the scientific community
- Improving use of scientific advice and expertise for policy-making (SINAPSE)





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Science in Society Work Programme 2007

Action line 1: A more dynamic governance of the science and society relationship

The evolving role of universities

- Defining better conditions for university research
- Partnerships with the business sector
- Reinforcing knowledge-sharing
 - ◆ Presidency conference on University-based research (Portugal)
 - ◆ Expert groups





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Science in Society Work Programme 2007

Action line 2: Strengthening potential, broadening horizons

Gender and research

- Strengthening the role of women researchers
 - ◆ Survey of positive action schemes in research decision-making (EU countries, US, Canada and Australia)
- Promoting the gender dimension
 - ◆ Meta analysis of gender and science research
- Mainstreaming gender in Community research policy and programmes
 - ◆ Gender Mainstreaming Help Desk





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Action line 2: Strengthening potential, broadening horizons

Young people and science

- Supporting formal and informal science education
 - ◆ Strengthening links between schools, universities, research organisations and industry; science and cultural development
 - ◆ Facilitating the uptake of new teaching methods
- Linking science education and science careers
 - ◆ Combating stereotypical images of science and scientists
- Research and coordination on new methods in science education





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Action line 3: Science and society communicate

- Feeding the scientific press with EU research information
- Bridging the gap between scientists and the media
- Networking science museums and events
- Promoting science through audio-visual co-productions and exchange of science programmes
- Descartes Prizes
- Research on science communication





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Science in Society Work Programme 2007

Strategic activities

Identifying and sharing good practice; identifying new policy directions for SiS; advising on the design and implementation of European research policy

- Transnational cooperation between National Contact Points
- Examining policy directions with ad-hoc expert groups
- European Research Advisory Board (EURAB)





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Science in Society Work Programme 2007

- **Key dates (all areas except Descartes)**

- **Call publication: 22 December 2006**

- **Deadlines: 23 May 2007 at 17h00**

- **Evaluation: July 2007**

- **Contract negotiation: from September 2007**

- **Contracts signed: End 2007**





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Science in Society

● Relevant websites:

→ SINAPSE

<http://ec.europa.eu/sinapse/sinapse/index.cfm>

→ SCIENCE IN SOCIETY PORTAL

http://ec.europa.eu/research/science-society/home_en.cfm

→ FORUM 2005

http://ec.europa.eu/research/science-society/page_en.cfm?id=3173

→ SCIENCE AND SOCIETY in FP7

http://cordis.europa.eu/fp7/capacities/science-society_en.html

→ UNIVERSITIES

http://ec.europa.eu/eracareers/index_en.cfm





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Getting Help! Asking Questions!

Contact your National Contact Point (NCP)

NCPs are there to provide guidance, practical information and assistance on all aspects of participation in FP7.

FP7 Enquiry Service

A service provided by the Europe Direct Contact Centre

<http://ec.europa.eu/research/enquiries>





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Evaluators needed!

Please (re)-register at:

<https://cordis.europa.eu/emmfp7/index.cfm?fuseaction=wel.welcome>





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FP7 Capacities Science in Society 2007 Work Programme

European Commission
Research DG
Governance and Ethics
Lino Paula





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Structure of Science in Society

- 5.1 - First Action Line
A more dynamic governance of the science and society relationship
- 5.2 – Second Action Line
Strengthening potential, broadening horizons
- 5.3 – Third Action Line
Science and society communicate
- 5.4 – Fourth Action Line
Strategic Activities (NCPs, Advisory groups)





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Terminology in 2007 SiS Work Programme

FP7 Programmes: Capacities Programme

- *Programme Parts:* Part 5 – Science *in* Society
 - *Sub-Parts (Action lines):* 5.1 A more dynamic governance of the science and society relationship
 - *Activities:* 5.1.1. Better understanding of the place of science and technology in society
 - *Areas:* 5.1.1.2. Research on ethics in science and technology
 - » *Topics:* SiS-2007-1.1.2.1 Ethical frameworks of new technologies



CAPACITIES



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Action line 5.1: A more dynamic governance of the science and society relationship

Activity 5.1.1.: Better understanding of the place of science and technology in society

- SiS-2007-1111 Science and politics
- SiS-2007-1121 Ethical Frameworks
- SiS-2007-1122 Research for Policies

– (not in 2007: 5.1.1.4 ‘The Role and Image of Scientists’)





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Action line 5.1: A more dynamic governance of the science and society relationship

Activity 5.1.2.: Broader engagement to anticipate and clarify political, societal and ethical issues

- SiS-2007-1211 CSO Capacity Building
 - SiS-2007-1212 Co-operative Research
- +
- SiS-2007-1213 Pairing Scheme [PP]





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Action line 5.1: A more dynamic governance of the science and society relationship

Activity 5.1.2.: Broader engagement to anticipate and clarify political, societal and ethical issues

- SiS-2007-1221 Ethics Doc. Centre
- SiS-2007-1222 Forum Nat. Ethics Councils
- SiS-2007-1223 Ethics and Security
- SiS-2007-1224 Ethics in Developing Countries





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Action line 5.1: A more dynamic governance of the science and society relationship

Activity 5.1.2.: Broader engagement to anticipate and clarify political, societal and ethical issues

- SiS-2007-1231-CT Cross-Thematic “Environment and Energy”
- SiS-2007-1232)-CT Cross-Thematic “Nanosciences and Technologies”

[Strong connection with other FP7 Themes!]





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Action line 5.1: A more dynamic governance of the science and society relationship

Activity 5.1.3.: Strengthening and improving the European science system

(+)

- SiS-2007-1331 SINAPSE [PP]

- *(Not in 2007: 5.1.3.1. Scientific Publications)*





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Action line 5.1: A more dynamic governance of the science and society relationship

Activity 5.1.3.: Strengthening and improving the European science system

(+)

Grant to named recipient (5.1.3.2 Trust and Self-Regulation):

a) **Lisbon Conference on Research Integrity**

Expert contracts (5.1.3.3 Scientific Advice):

- i. **Expert review of ... the societal dimension of energy technologies**
- ii. **'Learning Institutions' expert review...**





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Action line 5.1: A more dynamic governance of the science and society relationship

Activity 5.1.4.: The evolving role of Universities

(+)

Expert contracts (5.1.4 Evolving Role of Universities):

- a) Conference University-Based Research
- b) University-Based Research Expert Group





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FP7

Integrating Ethics in EU Research

European Commission
Research DG
Governance and Ethics
Mary Fitzgerald





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European Commission Ethical Reviews - Introduction

■ Why set up Ethical Reviews? **Two Major Objectives**

→ Assuring **citizens** and **decision-makers** that EU-funded research complies with the **highest ethical standards**

→ Facilitating **Research Excellence** in FP 7





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Ethical Reviews in Practice: The Project Evaluation Process

■ Scientific Evaluation

→ All proposals submitted to the Commission for funding following a call for proposals are **evaluated on their scientific merit**.

→ **Scientific evaluators identify** the proposals raising ethical issues and needing ethical reviews.

■ Ethical Review (if required)

*All proposals for funding involving a research intervention on **humans**, the use of **hESC** and/or **foetal issues**, and **non-human primates** will be automatically submitted to an ethical review panel.*





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Ethical Reviews' Methodology

■ Two General Questions asked in ethical reviews

→ **The necessity** to use i.e. personal data, animals, human tissue in order to achieve the scientific objectives set forth in the proposal; **is there an alternative?**

→ **The benefit/burden balance** of the research project; **what will be the impact of this research** not only regarding scientific advance but also in terms of Human dignity as well as social and cultural impact?





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Ethical Reviews' Methodology

■ MAJOR CHANGES FROM FP6 TO FP7:

- The Ethic Review will be carried out on the proposal submitted
- **No additional information** will be requested from the consortium
- The Consortium is asked to submit drafts of **Information Sheet** and **Consent Form**
- The Consortium does **not need to submit copies of legislation**

TAKE HOME MESSAGE:

GET IT RIGHT FIRST TIME!





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Ethical Reviews' Methodology

■ COMMON PROBLEMS:

→ **Consistency** and context

→ **Insurance**

→ **Incidental** Findings

→ **Incentives** (Financial inducements, etc.)





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Ethical Reviews' Methodology

■ COMMON PROBLEMS:

- Issues related to **Children**: Minimum **Risks**? Minimum Burden? Real and Direct **Benefit**?
- Research on **Animals**: **Number**; Humane End Points; Checked **alternatives**?
- **Developing Countries**: Benefit sharing
- **Conflict of Interest**: Treating Doctor; Research Interest





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Typology of Specific Ethical Issues

DATA PROTECTION

■ 8 ENFORCEABLE PRINCIPLES:

- **Fairly** and **lawfully** processed
- Processed for **limited purposes**
- **Adequate, relevant** and **not excessive**
- **Accurate**
- Not kept longer than is necessary
- Processed in accordance with **data subject's rights**
- **Secure**
- Not transferred to countries **without adequate data protection**





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FP7 Capacities Science in Society 2007 Work Programme

European Commission
Research DG
Scientific Culture and Gender Issues
Johannes Klumpers





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Structure of 2007 SiS Work Programme

- 5.1.1.3 of the First Action Line
A more dynamic governance of the science and society relationship
- 5.2 – Second Action Line
Strengthening potential, broadening horizons
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Science and society communicate
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1.1: Better understanding of the place of science and technology in society

Topic:

“SiS-2007-1.1.3.1 Science and Culture Research Community”

Funding schemes: CSA (Coordinating)

Indicative budget: 0,8 €m





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2.1: Gender and research

Topic:

“SiS-2007-2.1.1.1 Survey of positive action schemes in the area of Research Decision-making”

Funding schemes: CSA (Coordinating)

Indicative budget: 1,0 €m





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2.2: Young people and science

Topics:

“SiS-2007-2.2.1.1 Links between science education and research”

“SiS-2007-2.2.1.2 Teaching Methods”

“SiS-2007-2.2.2.1 Images of science”

Funding schemes: CSA (Coordinating)

Indicative budget : 1,0 €m, 1,0 €m, 2,0 €m





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Sub-Part 3: Science and society communicate

Topic

“SiS-2007-3.0.3.1 Science museums, science centres and organisers of science events”

Funding schemes: CSA (Coordinating)

Indicative budget: 2,798 €m

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Sub-Part 3: Science and society communicate

Topic

**“SiS-2007-3.0.6.1 Research in cultural differences
in public understanding”**

Funding schemes: Collaborative research
projects (small or medium-
scale focused projects)

Indicative budget: 0,5 €m

