

WORK PROGRAMME 2010

CAPACITIES

PART 5

SCIENCE IN SOCIETY

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FP7 Capacities Work Programme: Science in Society

Table of Contents

I CONTEXT	p. 3
II CONTENT OF CALLS	p. 6
5.1 - First Action Line – A more dynamic governance of the science and society relationship	p. 6
SiS-2010-1.0-1 Mobilisation and Mutual Learning Actions	p. 6
Activity 5.1.1 Better understanding of the place of science and technology (S&T) in society	p. 8
Activity 5.1.2 Broader engagement to anticipate and clarify political, societal and ethical issues	p. 10
Activity 5.1.3 Strengthening and improving the European science system	p. 11
Activity 5.1.4 The evolving role of universities	p. 12
5.2 – Second Action Line – Strengthening potential, broadening horizons	p. 16
Activity 5.2.1 Gender and research	p. 16
Activity 5.2.2 Young People and science	p. 20
5.3 – Third Action Line – Science and society communicate	p. 25
5.4 – Strategic Activities	p. 29
III IMPLEMENTATION OF CALLS	p. 32
IV OTHER ACTIONS	p. 47

I. CONTEXT

Objective

In the terms of the 7th Framework Programme, activities in the field of Science in Society aim to "*stimulate, with a view to building an open, effective and democratic European knowledge-based society, the harmonious integration of scientific and technological endeavour, and associated research policies in the European social web, by encouraging pan-European reflection and debate on science and technology and their relationship with the whole spectrum of society and culture*".

Approach for 2010

The 2020 Vision for the European Research Area (ERA) adopted by the Council of the European Union¹ in December 2008 underlines that the ERA "*is firmly rooted in society and responsive to its needs and ambitions in pursuit of sustainable development*". This confirms the orientation taken by the Science in Society Work Programme: the aim is to ensure that SiS develops in a way that is integrated into the 7th Framework Programme and ERA as a whole

The 2010 Science in Society (SiS) Work Programme builds on the new direction taken in the 2009 Work Programme, which prioritised more focused and structured actions with greater European added-value and impact, to promote a more effective critical mass of projects involving a wide range of key actors. The focus in 2010 will also be on the following issues in particular:

- A greater research component, which will continue to be developed further in subsequent work programmes.
- Pursuing broader public engagement in science and research, mobilising research organisations as well as citizens and other organisations. Greater importance is given in 2010 to the aim of addressing key SiS objectives by bringing together under each Mobilisation and Mutual Learning (MML) Action Plan a European consortium of different actors to cooperate on the basis of a common set of specific SiS actions over a period of four years. Partners could include research institutions, universities, Ministries, parliamentary offices for S&T, funding agencies, cities, civil society organisations, museums, science festivals and the media.
- More focused work on ethics: research on the role of ethics under EU policy and law and at global level and investigation of ethics capacity building in research.
- Measuring and evaluating research quality
- Actions to engage and modernise universities.
- In science education; a focus on in-service teacher-training (thereby implementing the second recommendation of the report '*Science Education Now; A Renewed Pedagogy for the Future of Europe*'²), and on reinforcing links between science education and S&T careers in the private sector through reinforcing the industry/education partnership.

¹ Conclusions on the definition of a "2020 Vision for the European Research Area", Competitiveness (Internal Market, Industry and Research) Council Meeting 1&2 December 2008.

² Report of the high-level group on science education chaired by Michel Rocard, 2007:

http://ec.europa.eu/research/science-society/document_library/pdf_06/report-rocard-on-science-education_en.pdf

FP7 Capacities Work Programme: Science in Society

- Under Gender and Research, a focus on implementing structural change in research organisations/universities, and on Euro-Mediterranean Cooperation.
- Mobilising key actors on the relationship between science and the arts.

International Cooperation

All topics in the work programme are open to international cooperation. There is provision for the participation of research partners from the International Cooperation Partner Countries (ICPC) from the FP7 budget. A list of the ICPC countries is given in Annex 1.

Topic SiS-2010-2.1.3-1 (Women in Science: Euro-Mediterranean Cooperation) is implemented via the Specific International Cooperation Action (SICA) funding scheme.

Where topics have been specifically highlighted in the work programme as being research areas which are particularly well suited for international cooperation, the inclusion of a relevant third country partner or partners could add to the scientific and/or technological excellence of the project and/or lead to an increased impact of the research to be undertaken.

These aspects will be considered specifically during the evaluation of the following topic, which is concerned by International Cooperation: SiS-2010-1.1.1-1, *The role of Ethics under EU policy and law: the EU as a global actor*. Please see the text of this topic for further information.

Cross-Thematic Approaches

The principles inherent in this work programme will also be taken up, in different ways, in other parts of the 7th Framework Programme and in particular in the themes of the Specific Programme 'Co-operation'. Measures will be taken to promote, support and monitor this process, and a degree of co-ordination will be assured. Where appropriate, cross-thematic activities will be established which will focus on actions and measures of mutual benefit, highlight synergies, and help bridge the gap between topical areas in science and technology and society's interests.

Dissemination Actions

By their very nature and objectives, as well as the expected impact, most proposals to be funded under the topics in the work programme will have an important dissemination / information element.

Gender Actions

The pursuit of scientific knowledge and its technical application towards society requires the talent, perspectives and insight that can only be assured by increasing diversity in the research workforce. Therefore, all projects are encouraged to have a balanced participation of women and men in their research activities and to raise awareness on combating gender prejudices and stereotypes. When human beings are involved as users, gender differences may exist. These will be addressed as an integral part of the research to ensure the highest level of scientific quality. In addition, specific actions to promote gender equality in research can be financed as part of the proposal, as specified in Appendix 7 of the Negotiation Guidance

Notes³. Specific topics targeted on gender issues are contained in Activity 5.2.1: Gender and Research.

Modalities of Implementation - Funding Schemes

The forms of the grant to be used or the funding schemes under this work programme part are given in Annex 3. The following gives an outline of the main features of the funding schemes:

1) Collaborative projects (small or medium-scale focused research projects)

- Targeted to specific objectives:
- research and development to generate new knowledge, improve European competitiveness or address major societal needs;
- Clear focus and approach at project level
- Overall work plan clearly fixed for the whole project life
- Major deliverables planned in detail
- No changes expected in work plan and deliverables
- Adequate project management
- Management of the knowledge produced (protection, exploitation, dissemination)

Under this 2010 Science in Society work programme, '*Collaborative research projects (small or medium-scale focused research projects)*' are those **which request a maximum EC contribution of EUR 1 500 000. Please note that this maximum amount of the requested Community grant is a criteria for the eligibility of proposals**. Proposals which request an EC contribution above this maximum limit will be ineligible.

2) Coordination and Support Actions

In addition, Coordination and Support Actions will be used, according to the profile of each topic. Coordination and Support Actions include actions aiming at coordinating research activities and policies (CSA coordinating) and actions aiming at supporting research activities and policies (CSA supporting). Besides grants subject to calls for proposals, other indirect actions under the Rules for Participation may be carried out in accordance with the topic profile pursued. These shall include grants to identified beneficiaries, public procurement, and expert groups.

3) Collaborative projects (small or medium-scale focused research projects) for specific cooperation actions dedicated to international cooperation

Under this 2010 Science in Society work programme, '*Collaborative projects (small or medium-scale focused research projects) for Specific Cooperation Actions Dedicated to International Cooperation*' (Topic SiS-2010-2.1.3-1. *Women in Science: Euro-Mediterranean Cooperation*) are those **which request a maximum EC contribution of EUR 2 000 000. Please note that this maximum amount of the requested Community grant is a criteria for the eligibility of proposals**. Proposals which request an EC contribution above this maximum limit will be ineligible.

³ http://cordis.europa.eu/fp7/find-doc_en.html

II CONTENT OF CALLS

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

While Europe is engaged in developing the knowledge-based society, it is indispensable for the European Research Area (ERA) to be open and responsive to society's needs. A key way to help achieve this is by ensuring that the ERA has a strong *Science in Society* dimension. Building on a number of topics already launched in the three FP7 Science in Society work programmes published between 2007 and 2009 (and indeed actions under the 6th Framework Programme), the aim of the topic *Mobilisation and Mutual Learning Actions* topic is to implement a more structured approach to mobilising key actors from the fields of research, civil society, academia and government to collaborate in a deeper and more systematic way together on common science in society objectives

It is intended to help accomplish this goal by establishing European consortia of different actors which commit to several *Mobilisation and Mutual Learning Action Plans*. The actors that will have signed up to the plans will cooperate on the basis of a set of common science in society actions, over a period of several years.

SiS-2010 1.0-1 Mobilisation and Mutual Learning Actions

Indicative budget amount for calls for proposals: EUR 16.50 million for topic SiS-2010 1.0-1

Description of topic: This topic will enable consortia comprising different actors to develop and implement multi-annual Mobilisation and Mutual Learning (MML) Action Plans aimed at promoting key Science in Society (SiS) objectives into research.

A first initiative was taken in the 2009 Science in Society Work Programme in the domain of *Structuring Public Engagement in Research* (topic 5.1.2-1-PER plans). The 2009 topic SIS-2009-3.0.3.1 *Platform of networks grouping science museums, organisers of science events and the cities* is also relevant in this area. The MML Action Plans have similar basic objectives and features, but can be broader in scope and participation and may combine various SiS activities.

Each MML Action Plan will bring together a consortium of actors from different fields to cooperate on the basis of a common set of specific Science in Society actions over a period of four years.

In order to ensure high European added value of the MML Action Plans, the proposals must include transnational exchange of best practice and mutual learning between the actors, consistent with the objectives of the MMLAP.

Participants: The consortium that will design and implement the MML Action Plans should include several types of actors from different disciplines and experiences, participating as active and engaged partners, for example:

- science academies
- research institutions

FP7 Capacities Work Programme: Science in Society

- universities
- national or regional ministries
- national and regional parliamentary offices for science and technology
- research funding agencies
- cities and local / regional authorities
- civil society organisations
- museums, science centres and science festivals
- media organisations, etc.

An ambitious range of partners is preferred, as long as their involvement is integral to the MMLAP. For each proposal, the consortium should include partners⁴ from at least three of the different types of actors/organisations listed above (proposals will be evaluated on this aspect). Particular attention should be paid to including in the proposal organisations who may be relative newcomers in dealing with Science in Society issues, as well as civil society organisations. The proposals must ensure a balanced distribution of roles and responsibilities between the different types of participants. The budget should reflect this distribution and include financial support to permit the appropriate participation on all participants.

Scope / Content: Proposals must define the type of Science in Society issues that will be addressed, as well as the research fields to which they will apply. The following SiS issues may be addressed or combined (non-exhaustive list):

- Public engagement in research (PER) (involvement of citizens and their organisations)
- Ethics in science (including in the social and economic sciences)
- Gender perception and stereotypes in science and technology
- Young people's participation in science and attitudes towards science
- Two-way communication between scientists and other stakeholders.
- Evidence-based policy-making / Policy making based on or using science and research

Activities to be carried out under the MMLAPs: The MMLAPs should include activities at local, regional and/or national level and must include transnational networking and comparisons. The MMLAP may combine the following activities, for example (non-exhaustive list):

- Capacity-building through training and exchange of best practices as well as development/upgrade of knowledge management tools such as databases and ICT tools related to SiS know-how;
- Mobilising and using scientific knowledge, including cross-fertilisation with other forms of knowledge for policy-making and to address societal concerns,
- Joint production of common communication materials making research findings available to civil society actors in forms which they can access and use;
- Sustainable forms of cooperation, consultation and dialogue between the different MMLAP actors;
- Establishment of specific services / structures/ mechanisms at the level of the partner organisations (universities, research organisations, CSOs, museums, local authorities etc) to promote engagement in SiS issues;
- Identifying and discussing topics and opportunities for future cooperative (multi-actor) research;

⁴ Partners should be legal entities as provided for in Article 2, paragraph 1 of the FP7 Rules of Participation (Regulation N°1906/2006 of 18 December 2006)

FP7 Capacities Work Programme: Science in Society

- Assessment of potential impact of research activities on citizens and civil society;
- Examination of barriers to the participation of civil society and its organisations in research and of possible means to overcome them;

A targeted opening to international cooperation may be foreseen, but the reasons for this and the added value to the project should be clearly justified.

Innovation is expected, but activities may, where relevant, also build on projects funded under previous Science in Society Work Programmes (6th or 7th Framework Programmes) or other themes of these Framework Programmes. Proposers are invited to consult relevant information produced by the *Science, Economy and Society* Directorate and accessible through its web site⁵, such as the reports of the *Goverscience* seminars⁶.

Particular attention must be paid to ensuring efficient management of the MMLAP, including appropriate experience and skills in the management team. The proposal must also include the means for in-depth independent monitoring and evaluation of its activities.

Additional eligibility criterion: for each proposal, the consortium must consist of at least 10 independent legal entities established in at least 10 different Member States or Associated countries.

Funding Scheme: Coordination and Support Actions (supporting action)

It is envisaged that a maximum of four proposals will be supported.

Expected impact: The expected impacts of the MML Actions are:

- They will contribute to promoting an open, effective and democratic European knowledge society;
- Improved mobilisation of research organisations and other actors, including civil society actors, to engage together on joint science in society actions;
- An improved use of scientific knowledge in policy-making;
- Incorporation of science in society actions into the systems of research;
- Improved transnational cooperation and synergies in different science in society domains;
- The action should have significant wider benefits across Europe beyond those accruing directly to project participants.

Activity 5.1.1. Better understanding of the place of science and technology (S&T) in society

Indicative budget amount for calls for proposals: EUR 3 000 000 available for topics SiS.2010-1.1.1-1 The role of Ethics under EU policy and law: the EU as a global actor, and SiS-2010-1.1.1-2 The role of Ethics under EU policy and law: EU policy in the making.

Area 5.1.1.1 Relationships between science, democracy and law

⁵ <http://ec.europa.eu/research/science-society/>

⁶ http://ec.europa.eu/research/science-society/pdf/goverscience_final_report_en.pdf

SiS-2010-1.1.1-1 The role of Ethics under EU policy and law: the EU as a global actor.

Description of topic: The internationalisation of the European Union's 7th Framework Programme for Research and the accompanying aims to address specific global aspects of the European Research Area, such as possible divergence or convergence of ethical standards among various regions in the world, pose a challenge for the global governance of science. The research must address the following issue:

- Scientific developments are associated with future economic prosperity. It is conceivable that certain countries could promote themselves either as advocates of high ethical standards or as 'ethics-free' zones, imposing as few regulatory demands as possible on scientific conduct. What type of dynamic can we expect and what does this imply for an effective global governance of science? How can the EU and its Member States promote greater convergence between themselves and act in a concerted way to influence the international debate?

The involvement of appropriate international partners in the consortium is encouraged. The number and quality of such partners, as well as their relevance to the objectives of the proposal, will be taken into account in evaluation.

Funding Scheme: Collaborative Projects (Small or Medium-scale focused research projects). It is envisaged that a maximum of one proposal will be funded.

Additional eligibility criterion: the maximum requested EC contribution shall not exceed EUR 1 500 000

Expected impact: Research outcomes will contribute to a better insight on how to use ethical expertise for improving the global governance of science on the basis of the European Union's role as a global actor.

SiS-2010-1.1.1-2 The role of Ethics under EU policy and law: EU policy in the making

Description of topic: Ethical expertise has not become the authoritative source of supporting data and information for policy makers in normative matters of public policy. The relationship between normative issues, ethical expertise and policy is too complex and cannot be reduced to the view that ethical expertise could ever determine the policy process in a prescriptive way. EU policies often combine scientific insights with a normative framework not solely derived from ethical expertise. The research proposed must address the following issue:

- What type of ethical 'expertise' is needed for the development of public policies and how should this expertise be governed - by ethical committees or otherwise? For example, how far can we go with physical human enhancement whilst antidoping policies are also in place in the context of public policies on sports?

For this topic, the scientific and/or technological excellence evaluation criterion will include the following additional sub-criterion: "appropriate comparative perspective in relation to the proposed research".

FP7 Capacities Work Programme: Science in Society

Funding Scheme: Collaborative Projects (Small or Medium-scale focused research projects). It is envisaged that a maximum of one proposal will be funded.

Additional eligibility criterion: the maximum requested EC contribution shall not exceed EUR 1 500 000

Expected impact: Research outcomes will contribute to a better insight on how to use ethical expertise in the policy-making process at the European and national levels and in particular how public policy should address the issue of human enhancement.

SiS-2010-1.1.1-3 Expert group: Dealing with ethical and regulatory challenges to science and research policy at the global level.

Science is a major driving force of globalisation. With the internationalisation of the 7th Framework Programme for Research, there are accompanying challenges to address specific global aspects of the European Research Area, such as scientific misconduct, the possible convergence or divergence of ethical standards among regions in the world and non-transparent forms of mandated science at the global level. An Expert Group has delivered a report on the Global Governance of Science on this topic in 2009. A new Expert Group is to be established to specify more detailed and targeted policy or research actions to be taken in relation to the recommendations of the previous report in order to accomplish the goals set out in the Report produced on the Global Governance of Science.

Funding Scheme: Coordination and Support Action (Expert contracts)⁷

Indicative budget for Commission contribution: EUR 150 000

Expected impact: The Expert Group will provide advice on the options for actions to be taken in order to implement the recommendations of the 2009 report on the Global Governance of Science.

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

Area 5.1.2.2 Conditions for an informed debate on ethics and science

SiS-2010-1.2.2-1. Action to investigate ethics capacity-building methodology

Description of topic: The ethical framework of the 7th Framework Programme is directly linked to the implementation of the charter of fundamental rights, development cooperation of the EU as well as to the implementation of the internal market (Directive 2001/20). In this context, ethics capacity building is an important component in the successful implementation of the above framework. The proposed actions under this topic will identify training needs in

⁷ In accordance with Articles 14(c) and 27 of Regulation (EC) No 1906/2006 of 18 December 2006 laying down the rules for the participation of undertakings, research centres and universities in actions under the Seventh Framework Programme and for the dissemination of research results (2007-2013)

FP7 Capacities Work Programme: Science in Society

ethics capacity building at the EC level and will propose specialised training methodologies addressing the needs of the various target groups. These groups include the members of national and local ethics committees, civil society organizations and the FP7 National Contact Points. In addition, specific actions will target the scientific community in order to improve the understanding of the FP7 ethical framework.

Funding Scheme: Coordination and Support Action (Public Procurement)⁸

Indicative Budget for Community Contribution: EUR 300 000

Expected impact: This will lead to the design of specific training actions which respond to the needs of the appropriate target group.

Activity 5.1.3. Strengthening and improving the European science system

Indicative budget amount for calls for proposals: EUR 3 000 000 available for topic SIS-2010-1.3.3-1 Assessing how research outputs at individual researcher level are evaluated and measured

Area 5.1.3.3 Encouraging the debate on information dissemination, including access to scientific results and the future of scientific publications, taking also into account measures to improve access by the public.

SIS-2010-1.3.3-1 Assessing how research outputs at individual researcher level are evaluated and measured

Description of topic: The Lisbon agenda⁹ places high expectations on the European science and research system to sustain and improve Europe's innovation potential. It must be efficient, competitive, and produce excellent research outputs, while at the same time safeguarding space for creativity and exploratory approaches. It is therefore essential to gain deeper insights into the elements and complex mechanisms of evaluating research results, especially in the light of the possibilities provided by the digital age. Indeed, the ever expanding World Wide Web is rapidly transforming traditional ways of communicating, working and doing business, and science and research are crucial parts of this transformation. The ways in which quality, success, excellence and impact of scientific production are measured and evaluated are intrinsically linked to the efficiency and success of the science system, and are currently being debated by researchers, research organisations, funding bodies, and the public-at-large.

Building on this discussion, this topic focuses on the way in which research outputs at the level of individual researchers are measured and evaluated. Publication in renowned journals and bibliometric indicators such as impact factor and numbers of citations are the traditional ways of measuring an individual researcher's quality. Other factors, such as relevance to citizens' concerns, global societal challenges, usefulness to policy decision making, science communication initiatives, contributing to science education, or developing patents are

⁸ In accordance with Articles 14(b) of Regulation (EC) No 1906/2006 of 18 December 2006 laying down the rules for the participation of undertakings, research centres and universities in actions under the Seventh Framework Programme and for the dissemination of research results (2007-2013).

⁹ http://ec.europa.eu/growthandjobs/index_en.htm.

FP7 Capacities Work Programme: Science in Society

usually considered to a much lesser extent. Understanding and calling into question the ways in which researchers are evaluated by their peers and institutions is crucial for assessing how the science system can be improved and enhanced, thereby contributing to the ambitious goals of the Lisbon agenda. This topic aims to support research in areas such as:

- analysing the current peer review system and studying ways to improve or modify this quality and certification mechanism to allow for a more efficient, open and transparent system;
- studying and proposing alternative and broader ways of measuring the productivity and performance of individual researchers including new and improved bibliometric indicators and evaluation criteria for research careers, project evaluations, and scientific publications;
- conceptualising new incentive schemes for researchers to complement and improve the traditional incentive structure of career advancement based primarily on numbers of publications, publication in journals with high impact factors, and numbers of citations;
- a state of the art analysis of the gender dimension in relation to the system of career evaluation and performance measurement i.e. in what ways the current science system poses specific obstacles to women in research careers, and how such systemic weaknesses could be addressed.

For this topic, the scientific and/or technological excellence evaluation criterion will include the following additional sub-criterion: "appropriate comparative perspective in relation to the proposed research".

Funding Scheme: Collaborative Projects (small or medium scale focused research project). It is envisaged that a maximum of three proposals will be funded.

Additional eligibility criterion: the maximum requested EC contribution shall not exceed EUR 1 500 000

Expected Impact: To provide insight into the dynamics of the European science and research system and the ways in which research outputs, at individual researcher level, are measured and evaluated. To encourage analysis on how the European science and research system impacts on and interacts with society-at-large, with a view to building an open, effective and democratic European knowledge society. To provide policy solutions on how this system can be enhanced and improved in order to improve the governance of the European research and innovation system.

Activity 5.1.4 The evolving role of universities

The role of universities in the development of a competitive and dynamic knowledge-base society and economy is crucial as they are key actors in the provision to society of well trained and skilled professionals and researchers, the generation of new knowledge of public interest to address societal challenges, as well as of applied knowledge for business innovation.

There is a requirement for Europe's universities to modernise¹⁰, becoming more competitive in the delivery of their interlinked missions of education, research and other outreach

¹⁰ Council Resolution on "Modernising universities for Europe's competitiveness in a global knowledge economy"

FP7 Capacities Work Programme: Science in Society

activities, especially in their research and to improve their interactions with the wider society and businesses.

The actions proposed under this activity will aim to advance in the implementation at university level of the recommendations, guidelines and good practices accumulated in previous years through expert groups, studies and mutual learning activities on the modernisation agenda for universities. Action will focus on two major measures:

Indicative budget amount for calls for proposals: EUR 2 500 000 available for topic SIS-2010-1.4.2 The role of universities in the process towards a knowledge-based society

SiS-2010-1.4-1 Operational phase of the Data Collection Network on research-intensive universities providing full data-collection services

This action corresponds to a complementary step, following the pilot phase (feasibility study) developed in 2009-2010 and aiming at creating the ground for a European University Data Collection, in coordination with Eurostat and DG Education and Culture.

While the pilot phase is expected to deliver a complete census of Higher Education Institutions in Europe and a statistical infrastructure gathering the data needed at institutional level for an appropriate monitoring of the implementation of the Modernisation Agenda for Universities with a particular emphasis on the research active universities, this second step is conceived as to permit an additional data collection on research intensive universities, by taking into account further on-going needs for policy making.

As it was foreseen under the 2008 Work Programme, the creation of a European Data Collection on Universities is conceived as multi-annual support project. The European Commission is supporting the creation of the statistical infrastructure itself under the umbrella of EUROSTAT. The goal is to achieve a sustainable and regularly updated statistical infrastructure on European Universities, to be maintained by EUROSTAT with appropriate support of relevant statistical authorities at national level.

Funding Scheme: Coordination and Support Action (Public Procurement)¹¹

Indicative budget for Community contribution: EUR 800 000

Duration: 12 months

Expected Impact: The provision of a set of comparable data on the research performance and other outreach activities of European universities will allow and facilitate their international benchmarking, as a means to improve their overall quality according to international standards. Moreover, it will provide the evidence on the real performance and characteristics of university-based research that is needed to design the right policy initiatives to support the modernisation of European universities.

SiS-2010-1.4-2 The role of universities in the process towards a knowledge-based society

¹¹ In accordance with Articles 14(b) of Regulation (EC) No 1906/2006 of 18 December 2006 laying down the rules for the participation of undertakings, research centres and universities in actions under the Seventh Framework Programme and for the dissemination of research results (2007-2013)".

FP7 Capacities Work Programme: Science in Society

This action will be aimed at coordinating and supporting the institutional activities of research universities their associations and networks, and where appropriate other entities, rather than to individual researchers or research groups, to advance in the implementation at university level of key issues of the modernisation agenda for universities, such as:

- strategic management of research,
- professionalisation of human resources to deal with today's challenges,
- strategies, policies and measures to improve quality in research,
- assessment of research performance in universities
- partnership with businesses and/or Civil Society Organisations,
- third stream and other outreach activities
- strategic alliances and networking among universities and other research entities to reach world-class excellence in selected research domains,
- financial sustainability of university-based research,

The overall goal is to promote and support networking and new forms of cooperation among universities and other knowledge-related agents, to strengthen the role of universities in the interaction with society and community engagement, making the European Research Area and the European Higher Education Area more visible and attractive to the world, by increasing the quality of the education, research and innovation activities and developing international cooperation with other third countries' higher education institutions.

Funding Scheme: Coordination and Support Action (supporting action)

Additional eligibility criteria: for the purposes of this topic, the minimum participating condition for the Coordination and Support Action is at least three independent legal entities from three different Member States or Associated Countries. The maximum duration of the project will be of 2 years. It is foreseen that a maximum of five projects will be funded. The maximum requested EC contribution shall not exceed EUR 600 000 per project.

Indicative budget for Community contribution: EUR 2 500 000

Expected Impact: To strengthen the role of universities in the building-up of the knowledge-based society by increasing the level of commitment of European universities in their development, promoting and supporting their strategic choices to reinforce their governance and management structures, partnerships with businesses and civil society and foster the development of networks and concerted or joint initiatives between universities.

SiS-2010-1.4-3 Study on the evolving role of universities in the production, diffusion and use of knowledge

Description of topic: Forward looking study on the evolving role of universities in the production, diffusion and use of knowledge: based on the analysis of the effects of national reform policies to strengthen the research performance of universities, the study will develop scenarios with a 5 to 10 years perspective focusing notably on: changes in the university landscape and in the role and governance of universities, including the interactions between universities and with other research institutions and the private sector at European and international level; knowledge transfer and management and policy implications.

FP7 Capacities Work Programme: Science in Society

Funding Scheme: Coordination and Support Action (Public Procurement – using the Social Science and Humanities Framework Contract)¹²

Indicative budget: EUR 200 000

Expected Impact: To provide insight into the dynamics of the contribution from universities to the development of the knowledge society as well as on the ways in which the reform of the different national frameworks are affecting the research quality of universities. To provide feedback on how the new forms of cooperation between universities and other research institutions and businesses can be better supported by the adoption of adequate policy measures to foster the development of the knowledge economy.

It should be noted that further activities related to the public policy aspects of universities such as funding and assessment of university-based research, will be funded through the FP7 Capacities 'Support for the Coherent Development of Research Policies' programme.

¹² In accordance with Articles 14(b) of Regulation (EC) No 1906/2006 of 18 December 2006 laying down the rules for the participation of undertakings, research centres and universities in actions under the Seventh Framework Programme and for the dissemination of research results (2007-2013).

Second action line: Strengthening potential, broadening horizons

Activity 5.2.1. Gender and research

Area 5.2.1.1 Strengthening the role of women in scientific research and in scientific decision-making bodies

SiS-2010-2.1.1-1 Implementing structural change in research organisations/ universities

Actions on gender equality in recent years have been mainly small in scope, and focused exclusively on women scientists and how their role and image could be strengthened, through ambassadors' schemes, mentoring activities, networking efforts, etc. Some of these actions have been very visible at the political level and can be considered to have had a fair amount of impact on the decision making sphere. But this does not imply long lasting change. The overall objectives have always been to attract more women into science, engineering, technology, and mathematics and, once there, to retain them by improving their workplace experience and by addressing the factors that lead to frustration and the rejection of long term careers.

In the 2008 Science in Society Work Programme a call was published to fund proposals which identified and analysed European best practices on gender management. The 2009 Science in Society Work Programme contained a topic aimed at encouraging a wide-ranging debate with all major actors invited to discuss and address these issues, especially involving human resources departments or personnel managers. The objective was - and still is - to raise awareness and directly involve the main actors, essentially private and public research and higher education institutions, in the promotion of better employment practices and workplace culture, to integrate equality and diversity. Analysis of factors that limit the participation of women in research, and guidelines on how to implement gender and diversity management, were requested as the final output of the expected proposals.

In 2010 the Commission intends to support actions to implement the change. A group of several research organisations/universities is expected to cooperate on common actions in order to implement the best systemic organizational approaches to increase the participation and career advancement of women researchers. The activities must address the fields of Science, Technology, Engineering and Mathematics (STEM), but other disciplines could also be included. Proposals must include research organisations/universities, which already have implemented proven and efficient actions on gender-aware management, as well as others who are seeking to gain experience of best practice in this area. The exchange of experiences which should derive from these activities will be considered in the evaluation process.

Each institution must provide a convincing self-tailored action plan in order to implement the necessary structural changes on the basis of its specific problems, followed by actual implementation. In this preparation, the less gender aware entities will profit from the experience of the others, while those with experience could improve their activities - by involving gender management experts, for instance.

FP7 Capacities Work Programme: Science in Society

Proposals will therefore consist of the identification and comparison of best instruments to tackle specific recognised problems, the development of tailored multi-annual action plans and their implementation.

These action plans should involve activities such as (non-exhaustive list):

- Recruitment, promotion, retention policies
- Updated management and research assessment standards
- Course content development
- Leadership development
- Supporting policies for dual career couples
- Returning schemes after career breaks.

Periodic and final assessment on the efficiency of the implemented plans must be part of the proposal, provided by an external independent evaluator. Final guidelines for other institutions interested in similar structural approaches will be prepared and disseminated. Dissemination activities at regional, national and/or international level must be included in the proposal.

The purpose of the action plans is to provide a management tool to help implement real change which will be of mutual benefit to the institutions concerned and to the career development of women researchers. In consequence, the proposal must also include sufficient evidence that the plans will be implemented in the medium to long term, and that, to this effect, the proposed activities have the full support of the management structures at the highest levels of these institutions. This aspect will be addressed during the evaluation process.

Funding Scheme: Coordination and Support Action (Supporting).

Additional eligibility criteria: for the purposes of this topic, the minimum participating condition for the Coordination and Support Action is at least three independent legal entities from three different Member States or Associated Countries. The duration of the project must be between 3 and 5 years.

Indicative budget for EC Contribution: EUR 4.50 million. The EC contribution will not exceed 70% of total eligible costs. It is envisaged that a maximum of two proposals will be funded.

Expected Impact: The long-term impact of the project should be the development of a more gender-diverse scientific workforce. The implementation of the Action Plans should yield tangible, measurable results in terms of female participation in research at all levels of seniority among project participants. The action should have significant wider benefits across Europe beyond those accruing directly to project participants. Higher awareness of the issue and dissemination of the guidelines should encourage other entities, external to the consortium, to take up the activities.

Finally, it is expected that the activities carried out within the project continue in the longer run without EC support.

Area 5.2.1.3 Mainstreaming gender in Community research policy and programmes

SiS-2010-2.1.3-1 Women in Science: Euro-Mediterranean Cooperation

In the framework of international cooperation, the Commission is interested in enhancing research cooperation on women in science between the European Union and the Mediterranean Countries.

The 1995 Barcelona Declaration recognised "*the key role of women in development*" in the Mediterranean region, and the need "to promote their active participation in economic and social life, and in the creation of employment".

During the 2006 Euro-Mediterranean Ministerial Conference on "*Strengthening the Role of Women in Society*", the Euro-Mediterranean Ministers stressed that equal participation of women and men in all spheres of life was a crucial element of democracy and confirmed that only by the inclusion of all people and determined action will the region's women be able to fulfil their ambitions and aspirations and, by extension, contribute towards the realisation of the underlying objectives of the Barcelona Declaration: the attainment of a common area of peace, stability and shared prosperity in the Mediterranean region.

In the field of external action of Science in Society, it is therefore important to better understand the situation of women in science in this area, taking into account cultural diversities and traditions, and analyse how the ICPC Mediterranean Partner Countries (MPCs) are addressing this issue. Annex 1, the List of International Co-operation Partner Countries (ICPC), contains the list of Mediterranean Partner Countries (MPC): Algeria, Egypt, Jordan, Lebanon, Libya, Morocco, Palestinian-administered areas, Syrian Arab Republic, Tunisia. All of these countries should be included in the scope of the research, unless the proposals demonstrate that no data is available.

The research will therefore provide state of the art description, data collection and relevant comparative analysis of the following topics in all MPCs:

- a) Presence of horizontal segregation in science careers. The research will include the issue of choice of scientific subjects by girls and occupational choices by women, the perception and attractiveness of Science Engineering and Technology (SET), the causes underlying these choices (e.g. stereotypes, cultural and social influences, etc.), the causes of success and failure at university level, etc.
- b) Presence of vertical segregation in science careers, including barriers for women to reach top scientific positions ('glass ceiling' or 'sticky floor'), mentoring / tutoring initiatives, etc.
- c) The underlying causes and effects of these two aspects, for instance work-life balance issues, pay gap, mobility-related obstacles, dual careers, evidence of discrimination, working culture, stereotypes, etc.
- d) National or regional policies, legislations, and positive actions, as well as the core stakeholders in the above mentioned fields, including government, funding agencies, academia, and civil society organisations.

FP7 Capacities Work Programme: Science in Society

The proposal must address the role of women in Science, Technology, Engineering, and Mathematics, but other disciplines could be included.

In order to facilitate future targeted comparison with available data from EU Member States and Associated Countries, it is recommended to use existing methodologies and models. For instance, the Meta-Analysis of gender and science research and the Gender Research Database¹³ as well as the SHE Figures 2009 publication may be used as a basis for data collection.

A final synthesis report will present the main findings of the various reports on the specific topics and will provide recommendations for policy-makers. All results and reports should be publishable.

Funding scheme: Collaborative Project for Specific International Cooperation Actions (SICAs) dedicated to international cooperation partner countries

Additional eligibility criteria: At least four legal entities must participate. At least two of the legal entities must be established in Member States or associated countries, but not established in the same Member State or Associated Country; and at least two of the legal entities must be established in ICPC Mediterranean Partner Countries, but not established in the same ICPC country.

The maximum requested EC contribution shall not exceed EUR 2 000 000 and it is envisaged that a maximum of one proposal will be funded.

Expected Impact: The object of this research is to increase knowledge on gender issues in science and increase interest on this topic in the targeted countries, allowing further development of research cooperation in the field. The results will inform policy-makers on the topic of women in science in all MPCs.

SiS-2010-2.1.3-2 She Figures 2012

The European Commission published comprehensive statistics on the participation of women in science in "*She Figures*" 2003, 2006, and 2009. The next edition is planned for 2012 and should update the data previously collected, and add new information depending on the availability of data at European level. An important part of the task will concern an analysis of the R&D, labour, and education data collections in the different EU Member States and Associated Countries. The main deliverables will thus be the She Figures 2012 publication; and a selection of commonly accepted definitions for the main indicators relating to Human Resources in Research and Development activities.

Funding scheme: Coordination and Support Action (Public Procurement). Please refer also to Table 3 on page 47 for more information on the public procurement procedure.

Indicative budget for Commission contribution: EUR 400 000

Expected impact: This publication is a Europe- wide statistical survey of science graduates and senior researchers to gain a better understanding of issues affecting women's careers in

¹³ Gender Research Database: <http://www.genderandscience.org>

science. It is used extensively in European comparisons and is used as a benchmark by many policy-makers.

Activity 5.2.2. Young people and science

Indicative budget amount for calls for proposals:

- **EUR 8 250 000 available** under the call for proposals FP7-SCIENCE-IN_SOCIETY-2010-1 for topics SiS-2010-2.2.1-1. Supporting and coordinating actions on innovative methods in science education: teacher training on inquiry based teaching methods on a large scale in Europe, and SiS-2010-2.2.3-1 Science curricula and their objectives: balancing the needs between training for future scientists and broader societal needs.

- **EUR 4 000 000 available** under the call for proposals FP7-SCIENCE-IN_SOCIETY-2010-CAREERS for the topic SiS-2010-2.2.2-1 Reinforcing links between science education and S&T careers in the private sector through reinforcing the partnership industry/education.

To promote science Education inside and outside the classroom, the European Commission is supporting the take-up of Inquiry Based Science Education (IBSE) activities. This demands a profound innovation touching all the stakeholders involved in science teaching and learning, from the top level of decision making, to schools, teachers, local actors and families. This process of innovation has already begun in several Member States. While theory about IBSE is well developed, the synergy between theory and practice still needs some research support. For that reason the research topic proposed below can be seen as '*use-inspired research*' that should lead to evidence-based education. In particular, an analysis of the degree and impact of ongoing innovation is now needed to ensure the quality of future EU initiatives in this field. For the purpose of each topic under this Activity, '*science*' includes: physical sciences, life sciences, computer science, technology and mathematics.

The European Commission will further support the up-taking of innovative teaching methodologies — in particular IBSE, with a special focus at teaching training and reinforcing links between science education and S&T career.

Area 5.2.2.1 Supporting formal and informal science education in schools as well as through science centres and museums and other relevant means

SiS-2010-2.2.1-1 Supporting and coordinating actions on innovative methods in science education: teacher training on inquiry based teaching methods on a large scale in Europe

Proposers are recommended to read the report '*Science Education Now; A Renewed Pedagogy for the Future of Europe*'¹⁴.

Falling interest in key science topics and mathematics has been linked to the way they are taught from the earliest age. Therefore, greater emphasis needs to be placed on the development of more effective forms of pedagogy; on the development of analytical skills; and, on techniques for stimulating intrinsic motivation for learning science, taking into account various pre-conditions and cultural differences.

¹⁴ Report of the high-level group on science education chaired by Michel Rocard, 2007.

http://ec.europa.eu/research/science-society/document_library/pdf_06/report-rocard-on-science-education_en.pdf

FP7 Capacities Work Programme: Science in Society

This topic will support actions to promote the more widespread use of problem and inquiry-based science teaching techniques in primary and secondary schools as well as actions to bridge the gap between the science education research community, science teachers and local actors in order to facilitate the uptake of inquiry-based science teaching. The actions are intended to complement school science curricula and should particularly focus on teacher training activities and the promotion of European teachers' networks. The actions proposed must be open to the participation of entities seeking to gain experience in the area of problem- and inquiry based science education techniques.

The training of the teachers should include actions that contribute towards the following: securing basic knowledge, developing a task culture, learning from mistakes, cumulative learning, autonomous learning, experiencing subject boundaries and interdisciplinary approaches, differentiating between girls' and boys' interests and promoting pupils' cooperation. The actions aimed at here shall already have proven their efficiency and efficacy. Furthermore, training activities must be realistic and feasible in terms of the participation of teachers and the opportunities offered to them by their employers or education authorities. If the proposed training activities are to take place outside of normal school hours, measures to facilitate participation should be considered.

Projects are expected to have the broadest coverage of EU Member States and Associated Countries - in order to generate a European impact (see under 'Funding Scheme' below, as well as the Call fiche). In addition to this during contract negotiation links will be established between funded projects and an Internet based information platform on science education to ensure the widest possible dissemination of best practice, methods and tools. Such two-way transfer of know-how will be made on an open access non-commercial basis. Projects selected for funding must agree to these conditions, as described in the footnote below¹⁵. This information platform will be operational in early 2010.

The actions must include an evaluation conducted by a person or persons or organisation which is independent of the consortium. It is envisaged that a maximum of three proposals will be funded.

Funding Scheme: Coordination and support actions (supporting action).

Additional eligibility criteria: for the purposes of this topic, the minimum participation condition for the Co-ordination and support action (supporting) is at least 10 independent legal entities, established in at least 10 different Member States or Associated Countries. Each proposal must have a minimum requested EC contribution of EUR 2 000 000 and a minimum duration of 3 years.

¹⁵ The following special clause will be included in the grant agreement of each project selected for funding: "The *Commission* shall be authorised to publish any *foreground disseminated* by the *consortium* in whatever form and on or by whatever medium, in particular via a European level information provider on its behalf. To enhance the accessibility of this *foreground* for third parties, it may adapt such *foreground* in any manner, including by making translations thereof. Any third party shall be allowed to utilise this published *foreground* for free for non-commercial *educational* purposes. To ensure the above, the *consortium*, acting through the *coordinator*, shall upon *dissemination* of any *foreground* provide the *Commission* with an electronic copy thereof and shall ensure that any necessary authorisations have been obtained and that it has not accepted legal obligations which could conflict with this clause.

Expected Impact: To bring about a change in the way that science is taught in schools through European collaborative activities focusing on teacher training on the use of techniques that have been successfully piloted, adapting and applying them on a European scale. The action should have significant wider benefits across Europe beyond those accruing directly to project participants. The long-term impact looked for is a significant increase in the numbers of young people in Europe taking up scientific careers and a generally increased knowledge in science in the younger generations.

Area 5.2.2.2 Reinforcing links between science education and science careers

SiS-2010-2.2.2-1 Reinforcing links between science education and S&T careers in the private sector through reinforcing the partnership industry/education

The perception of science and technology careers affects interest, motivation and subject choice at school and university. Surveys show that in general young people do not have a clear idea of what scientists do, and of the diversity of career options open to those with qualifications in science, technology and mathematics. Perceptions, where they exist, tend to place scientific careers in a traditional formal academic context attractive to only a small proportion of young people. Furthermore, stereotypical images of working in science can alienate girls in particular and young people (both girls and boys) from disadvantaged backgrounds and ethnic minority groups.

Industry, research organisations and other entities can play a crucial role in promoting better awareness of the diversity of careers and opportunities on offer to young people who have academic qualifications in science, maths and technology. These are already playing an increasing active role in attempting to bridge the gap between science education and working in science through joint activities and partnerships but effort is fragmented, and limited mostly to the local level with few opportunities for a more structured coordinated approach in order to maximise the effectiveness of the resources mobilised.

The activities proposed under this topic should be based on a description of the current state of play in terms of the sector(s) targeted (business, research, R&D, commercial, service etc) and propose an action plan of joint activities involving the relevant stakeholders. This action plan will be implemented as part of the project through pilot projects such as demonstration activities, face-to-face meetings (ambassador and mentorship schemes), out-reach activities, career showcasing, joint activities and partnership, and dissemination and awareness activities that take into account the diversity of young people and their aspirations and/or perceptions.

A proposal could set out to address a specific sector (for example the chemical industry) or be more generic (for example careers in research organisations) or combine elements of the two; the aim however, is not to promote generic corporate images (or equivalent) nor to compromise the integrity and independence of formal education but rather to convey useful information and direct experience to young people at key points in time when choices are made as regards study subjects.

The actions must include an evaluation conducted by a person or persons or organisation which is independent of the consortium.

FP7 Capacities Work Programme: Science in Society

The proposals should aim to involve the participation of a range of actors and stakeholders including, employers, teachers, parents, career advisory services and personnel, and of course the young people themselves, from at least 10 European Union and Associated Countries.

Funding Scheme: Coordination and Support Actions (supporting actions). The EC contribution will not exceed 50% of total eligible costs.

Additional eligibility criteria: for the purposes of this topic, the minimum participating condition for the Coordination and Support Action is at least three independent legal entities from three different Member States or Associated Countries.

Expected Impact: Access to better information on and first-hand experience of the diversity of career opportunities open to young people with science, maths and technology qualifications should increase the numbers of young people electing to study science maths and technology studies and in consequence increase the number of researchers and scientists. The action should have significant wider benefits across Europe beyond those accruing directly to project participants

SiS-2010-2.2.2-2 Lindau Foundation event to bring together young researchers with distinguished scientists as role models.

Legal Entity: Stiftung Lindauer Nobelpreisträgertreffen am Bodensee (Foundation Lindau Nobelprizewinners Meetings at Lake Constance) Lennart-Bernadotte-Haus, Alfred-Nobel-Platz 1, 88131 Lindau, Germany

Indicative budget for Commission contribution: EUR 55 000

The Foundation Lindau supports the annual meeting with around 20 Nobel Prize winners in Lindau, Germany. Students and young researchers come from all over the world to listen to the Laureates' lectures and participate in discussions. With the aim of promoting contact and dialogue between distinguished scientists (as "role models") and aspiring young scientists, the grant will be used to help finance the expenses of young students and researchers to attend the meeting (which will take place in mid-2010) and the expenses of a separate networking event at the meeting. The Commission grant will also fund an interdisciplinary workshop.

Objectives expected to be fulfilled: The aim is to promote networking, contact and dialogue between distinguished scientists (Nobel prize-winners) and aspiring young researchers and scientists. The grant will be used to finance the participation of EU PhD students working outside the EU and students and young researchers studying or working in the EU Member States and Associated Countries.

Funding Scheme: Co-ordination and support action (supporting) – grant to an identified beneficiary¹⁶.

Maximum rate of co-financing: the Commission shall finance 100% of the total budget of the costs of participation of the selected students / young researchers in the meeting, and no more than 90% of the costs of the workshop and of the networking event, up to EUR 55 000.

¹⁶ *In accordance with Articles 14(a) and 27 of Regulation (EC) No 1906/2006 of 18 December 2006 laying down the rules for the participation of undertakings, research centres and universities in actions under the Seventh Framework Programme and for the dissemination of research results (2007-2013)".*

Area 5.2.2.3 Research and coordination actions on new methods in science education

SiS-2010-2.2.3-1 Science curricula and their objectives: balancing the needs between training for future scientists and broader societal needs

A frequently stated objective of school science and mathematics education is to address both the need to ensure that young people at school emerge as adults able to participate fully, without impediment in terms of core skills and knowledge, in our democratic societies on the one hand, as well as to provide a sound foundation allowing subsequent specialisation leading to careers in science, technology and research.

The activities to be carried out under this topic should compare and contrast the specific objectives that are actually being pursued in science and mathematics curricula across a representative number of European countries, and the countries associated to the 7th Framework Programme (the geographical coverage must be justified in terms of the research proposed), and whether the content and teaching practice are compatible with implicit or explicit objectives that have been set. Furthermore, the activities proposed should also take into account student perceptions of the objectives of science education and whether their views and aspirations are reflected in the curricula.

For this topic, the scientific and/or technological excellence evaluation criterion will include the following additional sub-criterion: "appropriate comparative perspective in relation to the proposed research".

Funding Scheme: Collaborative Projects (small or medium scale focused research project). Only one project will be funded.

Additional eligibility criterion: the maximum requested EC contribution shall not exceed EUR 1 500 000 and it is envisaged that a maximum of one project will be funded.

Expected impact: To stimulate a debate among policy makers on the purpose of school science and mathematics education and whether this purpose is being addressed in practice through school curricula.

Third Action Line: Science and Society communicate

Area 5.3.0.1 The provision of reliable and timely scientific information for the press and other media.

SiS-2010-3.0.1-1 Conference on Science Media under the Spanish Presidency 2010

Legal Entity: Fundación Española de Ciencia y Tecnología (FECYT), C/ Rosario Pino, 14-16 - 28020 Madrid, Spain

Indicative budget for Commission contribution: EUR 180 000

Objectives expected to be fulfilled: Conference under the Spanish Presidency in spring 2010 highlighting the communication of European science and research and the key science in society issues at stake. This conference will focus on the role the media, and specifically the opportunities and challenges offered by the emerging digital technologies as regards science communication and public engagement. The conference will address both conceptual and practical issues of relevance to specific professional functions and will take into consideration a diversity of disciplines.

It will involve science journalists, science communicators and researchers and other relevant stakeholders in a debate on critical science journalism and communication issues, with action oriented examples of good practice in Europe and beyond.

Funding Scheme: Co-ordination and support action (supporting) – grant to an identified beneficiary¹⁷.

Maximum possible rate of co financing: The Commission shall finance 75% of the total eligible costs, up to EUR 180 000.

Area 5.3.0.3 – Encouraging a European Dimension at science events targeting the public

SiS-2010-3.0.3-1 Science and the Arts: an experimental approach

The relationship between science and the arts has many facets and there are many examples of co-development. The transmission of scientific themes through the arts (not just the visual arts but also exhibitions, literature, music, audio-visual and other media, and live performances) is more than just a communication activity but one that contributes also more generally to the cultural development of our societies.

¹⁷ *In accordance with Articles 14(a) and 27 of Regulation (EC) No 1906/2006 of 18 December 2006 laying down the rules for the participation of undertakings, research centres and universities in actions under the Seventh Framework Programme and for the dissemination of research results (2007-2013)".*

FP7 Capacities Work Programme: Science in Society

The way that science is generally presented and learned in early life sometimes does not pay enough attention to the fact that it can sometimes be a creative process. Misleading perceptions that arise in young people persist into adult life. As a creative process, science shares the characteristics of other creative processes such as the arts insofar as it sometimes may not be a strictly linear process but, rather may develop through inspirational jumps, symbolic representation, learning from false starts, and through trial and error, from which a logical structure emerges. In fact, there are stronger links between the arts and science than those that are generally perceived by the public, with innovation in one area often stimulating new avenues of exploration in the other. Furthermore, while the contribution of the arts to cultural development is considered self-evident, a similar engagement of society via the sciences is not as explicit as it could be.

The aim of this topic, therefore, is to mobilise key actors in joint activities that link science and/or technology and/or mathematics with artistic expression in order to simultaneously highlight the creative aspects as well as the underlying scientific, mathematical or technological principles and the scientific advancements. Proposers must submit a plan of diverse interactive pilot activities that seek to engage the target public as participants (rather than simply as passive observers). Initiatives must demonstrate the specificities and commonalities of the creative processes within arts and science and the interactions between the two fields, leading to better understanding and exploration of science through the arts. Such activities could be for example: interactive visual representations, the use of drama and the performing arts, experimental design and innovation. The nature of the target population(s) must be clearly identified (e.g. young people at school, youth organisations, adults, parents etc) taking into account any gender and socio-cultural issues (including ethnic origins). Furthermore, the activities proposed must seek to be more than just entertaining but address educational aspects and perception of science: careful consideration must be given to the scientific accuracy/correctness of the underlying scientific, mathematical or technological concepts involved. This means that the proposed consortia must be multidisciplinary crossing boundaries between the arts and science.

As an indication, the consortia might comprise museums, arts and performing arts institutions, the popular media, cities and cultural development organisations, science events organisers, science communicators as well as expertise from the science base: scientists, technologists, mathematicians, science teachers and other science professionals.

Proposed activities must take place in at least 10 Member States or Associated Countries and the expected participation of the targeted population must be quantified. Proposed activities must also include an element of independent evaluation of learning outcomes and/or expected changes in perceptions.

Funding scheme: Coordination and Support Action (Supporting)

Additional eligibility criterion: minimum three different legal entities from three different EU Member States or Associated Countries

Indicative Budget for Community Contribution: EUR 2 500 000. It is envisaged that a maximum of two projects will be supported.

Expected impact: To foster better cooperation between science and the arts and to broaden the public's perception, knowledge and understanding of science and of scientific

FP7 Capacities Work Programme: Science in Society

breakthroughs. To promote science-art approaches and actions that make possible dialogue with a new and wider audience. To change perceptions about the processes through which progress is made in science, technology and mathematics. To highlight the intrinsic creativity in order to broaden the appeal for studies in the corresponding disciplines among young people at school as well as to strengthen the links with innovation, and to reinforce the notion of scientific culture. The action should have significant wider benefits across Europe beyond those accruing directly to project participants.

SiS-2010-3.0.3-2 Euroscience Open Forum 2010

Legal Entity: Associazione TopESOF - Torino per ESOF2010, Via Accademia delle Scienze, 6. C.A.P. Località: 10123 Torino, Italy

ESOF is a European meeting held every two years, dedicated to scientific research and innovation. It was designed by Euroscience as a unique opportunity in Europe to: 1) present and discuss the frontiers of scientific and technological advancement, the relationships between science and society, and the policies supporting research; 2) provide career opportunities for graduate students and young researchers; 3) promote communication between outstanding researchers and non-specialists; 4) bring scientific themes closer to the general public.

2010 will be the key year for achieving the goals of the Lisbon Agenda: the set of strategies that the European Union is deploying for its economic and social development. Europe cannot grow without research, researchers need support from society, and therefore citizens and other stakeholders need to be involved.

In consequence, grant support will be offered to ensure that the event will have the widest possible appeal to policy-makers, business people, teachers, students, journalists and citizens. Special attention will be paid to facilitate the participation of students and the public. Furthermore, the Commission will ensure that: key European scientific achievements and the role that science and technology play in addressing issues of public concern are appropriately highlighted. The conference programme will also pay special attention to emerging trends in science and related cultural, ethical and societal issues.

It is intended that the event will be one of the key European Research Area communication activities in 2010 and will provide an inclusive and integrated combination of seminars, workshop, debates and round table discussion centred around key issues.

Commission budget to be allocated: EUR 300 000

Funding Scheme: Co-ordination and support action (supporting) – grant to an identified beneficiary¹⁸.

¹⁸ *In accordance with Articles 14(a) and 27 of Regulation (EC) No 1906/2006 of 18 December 2006 laying down the rules for the participation of undertakings, research centres and universities in actions under the Seventh Framework Programme and for the dissemination of research results (2007-2013)".*

Maximum rate of co-financing: the Commission shall finance up to 60% of the total eligible costs for this action, up to EUR 300 000.

Area 5.3.0.5 Promoting excellent trans-national research and science communication by the means of popular prizes

SiS-2010 3.0.5-1 European Union Contest for Young Scientists (EUCYS) 2010

Legal Entity: Fundação da Juventude, Casa da Companhia, 69 Rua das Flores, 4050-265 Porto, Portugal

Description of Topic: The European Union Contest for Young Scientists brings together first prize winners of national contests for pre-university school science projects to compete for prizes and awards. The EU Contest takes place each year in a different location. The 2010 edition will be implemented through a grant to the Fundação da Juventude in Portugal. The EU Contest provides additional stimulus to young people who have already demonstrated that they are applying science to solve problems. Many go on to become successful scientists. It attracts a considerable level of co-funding in the host country, and high levels of international media attention. International research organisations and similar bodies donate many of the non-monetary prizes.

Commission budget to be allocated: EUR 600 000

Funding Scheme: Co-ordination and support action (supporting) – grant to an identified beneficiary¹⁹.

Maximum rate of co-financing: the Commission shall finance up to 75% of the total eligible costs for this action, up to EUR 600 000.

¹⁹ *In accordance with Articles 14(a) and 27 of Regulation (EC) No 1906/2006 of 18 December 2006 laying down the rules for the participation of undertakings, research centres and universities in actions under the Seventh Framework Programme and for the dissemination of research results (2007-2013)".*

5.4. Strategic activities

SiS-2010-4.0.0-1 Studies to assist the European Research Area Board

The Work Programme will support the work of the European Research Area Board (ERAB), established by Commission Decision on 7 December 2007²⁰, in the performance of its tasks to advise the Commission on the design and implementation of Community policy in research and technological development, and in particular on the realisation of the European Research Area.

This topic will include studies to be carried out in 2010 in order to assist ERAB in its deliberations on key issues identified for discussion in the Roadmap for ERAB's work in 2010.

Following a public procurement procedure, up to three contracts will be established (one for each study).

Funding Scheme: Co-ordination and support action (Public Procurement²¹ -Negotiated Procedure, 1st and 2nd semester 2010)

Indicative budget for Commission contribution: EUR 150 000

Expected Impact: The studies will be used as a key input to ERAB's deliberations on the topics in question, in preparation for ERAB's eventual advice to the Commission on these issues.

SiS-2010-4.0.0-2 European Research Area Board Conference under the Spanish Presidency

Legal Entity: Fundación Española de Ciencia y Tecnología (FECYT) C/ Rosario Pino, 14-16 - 28020 Madrid, Spain

Objectives expected to be fulfilled: The event will bring together the European Research Area Board (ERAB) and the most important stakeholders of the European Research Area in order to deepen and refine the Strategic View towards ERA 2030 prepared by ERAB, which will be one of the points of departure for discussions.

The conference, will take place in Spain in spring 2010. As well as participants from the EU and Associated Countries, there will also be included those from outside Europe; as well as PhD students and recent PhDs; and a good proportion of young researchers will be invited.

²⁰ Commission Decision C/2007/6165

²¹ In accordance with Art 14(b) of Regulation (EC) No 1906/2006 of 18 December 2006 laying down the rules for the participation of undertakings, research centres and universities in actions under the Seventh Framework Programme and for the dissemination of research results (2007-2013)

FP7 Capacities Work Programme: Science in Society

Funding Scheme: Co-ordination and support action (supporting) – grant to an identified beneficiary²².

Commission budget to be allocated: EUR 180 000

Maximum rate of co-financing: the Commission shall finance up to 75% of the total eligible costs for this action, up to EUR 180 000.

SiS-2010-4.0.0-3 Supporting specific tasks of the network of Science in Society National Contact Points

National Contact Points for Science in Society have been organised by the EUROSIS project (under the 2007 Science in Society work programme) into a network in order to promote good practice and to support the implementation of the programme.

The EUROSIS project, aimed at developing the transnational exchange of information and best practice between the Science in Society NCPs, began in 2008 and is foreseen to end its activities in 2010.

This topic will build upon these functions to mobilise the network of NCPs to support in particular the priorities of the work programmes in 2010 and 2011 (for example, on issues such as the Mobilisation and Mutual Learning Actions (MMLA); the greater emphasis on collaborative research, and on science education). A network of national contact points will undertake the organisation of a limited number of focused seminars, conferences and tools that could efficiently support NCPs in their task to ensure that stakeholders understand and develop better the new approaches being taken in the SiS work programmes. The MMLA encourages the participation of a wider range of actors in SiS activities, in particular civil society organisations. This implies an adaptation of NCPs services to facilitate the access of these types of actors to the SiS work programme.

Only officially nominated NCP organisations can apply and be part of the project consortium. The consortium does not need to involve all NCPs in its partnership but needs to provide sufficient assurances that it will involve potentially all NCPs in its activities in order to reach the desired outcomes. Only one project will be funded.

Funding Scheme: Coordination and support actions (supporting action).

Indicative budget for Commission contribution: EUR 300 000

Expected impact: An improved NCP service across Europe, therefore helping simplify and improve access to science in society calls, lowering the entry barriers for newcomers, and raising the average quality of submitted proposals. A more consistent level of NCP support services across Europe.

SiS-2010-4.0.0-4 Ex-Post and ex-ante impact assessments of Science in Society Actions

²² In accordance with Articles 14(a) and 27 of Regulation (EC) No 1906/2006 of 18 December 2006 laying down the rules for the participation of undertakings, research centres and universities in actions under the Seventh Framework Programme and for the dissemination of research results (2007-2013).

FP7 Capacities Work Programme: Science in Society

This topic comprises a study to be carried out in 2010 comprising

- (i) an ex-post impact assessment of actions financed in the final years of the Science and Society programme under the 6th Framework Programme and the Science in Society part of the 'Capacities' Specific Programme so far under the 7th Framework Programme. This impact assessment will complement the findings of the 6th Framework Programme Mid-Term Assessment. It will develop and use specific impact indicators for that purpose.
- (ii) an ex-ante impact assessment for science in society actions for the rest of FP7 (to 2013), and actions under a possible 8th Framework Programme including, inter alia, analysis of options for the future.

Funding Scheme: Coordination and Support Action (Public Procurement)²³

Indicative budget for Commission contribution: EUR 745 000

Expected Impact: The study will provide key information on the results and impact of the science in society projects funded under FP7, which will contribute to the preparation of the remaining FP7 Science in Society Work Programmes and the planning of science in society actions under a possible 8th Framework Programme. The ex-ante part of the impact assessment will be used as a key input to the preparation of the remaining 7th Framework Programme's Science in Society Work Programmes and the planning of science in society actions under the future 8th Framework Programme.

²³ In accordance with Article 14(b) of Regulation (EC) No 1906/2006 of 18 December 2006 laying down the rules for the participation of undertakings, research centres and universities in actions under the Seventh Framework Programme and for the dissemination of research results (2007-2013)

III. IMPLEMENTATION OF CALLS

CALL FICHE 1 – SCIENCE IN SOCIETY 2010

- Call identifier: FP7-SCIENCE-IN-SOCIETY-2010-1
- Date of publication²⁴: Thursday 30 July 2009
- Deadline²⁵: Thursday 21 January 2010 at 17.00.00, Brussels local time.
- Indicative budget²⁶: EUR 39.75 million²⁷ from 2010 budget
- Topics called:

ACTIVITY/ AREA	TOPICS CALLED	Funding Schemes
ACTION LINE 1: A more dynamic governance of the science and society relationship		
Topic SiS-2010 1.0-1 Mobilisation and Mutual Learning actions (Indicative Budget: EUR 16.50 million)		CSA (Supporting)
ACTIVITY 5.1.1 Better understanding of the place of science and technology (S & T) in society (Indicative budget: EUR 3.00 million)		
Area 5.1.1.1 Relationships between science, democracy and law	Topic SiS-2010-1.1.1-1 The role of Ethics under EU policy and law: the EU as a global actor	Collaborative Projects (Small or medium-scale focused research project)
Area 5.1.1.1 Relationships between science, democracy and law	Topic SiS-2010- 1.1.1-2 The role of Ethics under EU policy and law: EU policy in the making	Collaborative Projects (Small or medium-scale focused research project)
ACTIVITY 5.1.3 Strengthening and improving the European Science system (Indicative budget: EUR 3.00 million)		
Area 5.1.3.3 Encouraging the debate on information dissemination, including access to scientific results and the future of scientific publications, taking also into account measures to improve access by the public.	Topic SIS-2010-1.3.3-1 Assessing how research outputs at individual researcher level are evaluated and measured	Collaborative Projects (Small or medium-scale focused research project)

²⁴ The Director-General responsible for the call may publish it up to one month prior to or after the envisaged date of publication.

²⁵ The Director-General responsible may delay this deadline by up to two months

²⁶ The budget for this call is indicative. The final budget awarded to actions implemented through calls for proposals may vary: the final budget of the call may vary by up to 10% of the total value of the indicated budget for each call; any repartition of the call budget may also vary by up to 10% of the total value of the call.

²⁷ Under the condition that the preliminary draft budget for 2010 is adopted without modifications by the budgetary authority

FP7 Capacities Work Programme: Science in Society

ACTION LINE 2: Strengthening potential, broadening horizons		
ACTIVITY 5.2.1 Gender and Research		
Area 5.2.1.1. Strengthening the role of women in scientific research and scientific decision making	Topic SiS-2010-2.1.1-1 Implementing structural change in research organisations/universities (Indicative budget: EUR 4.50 million)	CSA (Supporting)
Area 5.2.1.3. Mainstreaming gender in Community research policy and programmes	Topic SiS-2010-2.1.3-1 Women in Science: Euro-Mediterranean Cooperation (Indicative budget: EUR 2.00 million)	SICA Collaborative Projects (small or medium-scale focused projects) CP-FP-SICA
ACTIVITY 5.2.2 Young people and science (indicative budget: EUR 8.25 million)		
Area 5.2.2.1 Supporting formal and informal science education in schools as well as through science centres and museums and other relevant means	Topic SiS-2010-2.2.1-1. Supporting and coordinating actions on innovative methods in science education: teacher training on inquiry based teaching methods on a large scale in Europe	CSA (Supporting)
Area 5.2.2.3 Research and coordination actions on new methods in science education	Topic SiS-2010-2.2.3-1 Science curricula and their objectives: balancing the needs between training for future scientists and broader societal needs	Collaborative Projects (Small or medium-scale focused research project)
ACTION LINE 3: Science and Society Communicate (Indicative budget: EUR 2.5 million)		
Area 5.3.0.3 – Encouraging a European Dimension at science events targeting the public	Topic SiS-2010-3.0.3-1 Science and the Arts: an experimental approach	CSA (Supporting)
TOTAL : EUR 39.75 million		

Eligibility conditions

The general eligibility criteria are set out in Annex 2 of this work programme and in the guide for applicants. Please note that the completeness criterion also includes that part B of the proposal shall be readable, accessible and printable.

A summary of the minimum participation requirements for the funding schemes used in this call is given in the following table. These participation criteria are also criteria for eligibility of the proposal.

Funding scheme	Minimum conditions
Collaborative projects (small or medium-scale focused research projects)	At least 3 independent legal entities, each of which is established in a MS or AC, and no 2 of which are established in the same MS or AC.
Collaborative Project for Specific Cooperation Actions (SICA) dedicated to international cooperation partner countries.	At least 4 independent legal entities. Of these, 2 must be established in different MS or AC. The other 2 must be established in different International Cooperation Partner Countries (ICPC),

FP7 Capacities Work Programme: Science in Society

Co-ordination and Support Actions (supporting action)	At least 1 independent legal entity which is established in a Member State or Associated Country (see additional criterion, below)
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The following additional eligibility criteria apply in this call:

Additional Eligibility Criteria	
SiS-2010 1.0-1 Mobilisation and Mutual Learning actions - CSA (Supporting)	The consortium must consist of at least 10 independent legal entities established in at least 10 different Member States or Associated Countries
Topic SiS-2010-1.1.1-1 The role of Ethics under EU policy and law: the EU as a global actor - Collaborative Projects (Small or medium-scale focused research project)	The maximum requested EC contribution shall not exceed EUR 1 500 000.
Topic SiS-2010- 1.1.1-2 The role of Ethics under EU policy and law: EU policy in the making - Collaborative Projects (Small or medium-scale focused research project)	The maximum requested EC contribution shall not exceed EUR 1 500 000.
Topic SiS-2010-1.3.3-1 Assessing how research outputs at individual researcher level are evaluated and measured - Collaborative projects (Small or medium-scale focused research project)	The maximum requested EC contribution shall not exceed EUR 1 500 000.
Topic SiS-2010-2.1.1-1 Implementing structural change in research organisations/universities - CSA (Supporting)	The minimum number of participants is 3 independent legal entities from 3 different Member States or Associated Countries. Project duration must be between 3 and 5 years
Topic SiS-2010-2.1.3-1 Women in Science: Euro-Mediterranean Cooperation - SICA Collaborative Project	At least four legal entities must participate. At least two of the legal entities must be established in Member States or Associated Countries, but not established in the same Member State or Associated Country; and at least two of the legal entities must be established in ICPC Mediterranean Partner Countries, but not established in the same ICPC country. The maximum requested EC contribution shall not exceed EUR 2 000 000.
Topic SiS-2010-2.2.1-1. Supporting and coordinating actions on innovative methods in science education: teacher training on inquiry based teaching methods on a large scale in Europe - CSA (Supporting)	The consortium must consist of at least 10 independent legal entities, established in at least 10 different Member States or Associated Countries. Each proposal must have a minimum total EC requested budget of EUR 2 000 000 and the project must have a minimum duration of 3 years.
Topic SiS-2010-2.2.3-1 Science curricula and their objectives: balancing the needs between training for future scientists and broader societal needs - Collaborative Projects (Small or medium-scale focused research project)	The maximum requested EC contribution shall not exceed EUR 1 500 000.
Topic SiS-2010-3.0.3-1 Science and the Arts: an experimental approach - CSA (Supporting)	Eligibility criterion: the minimum number of participants is 3 independent legal entities from 3 different Member States or Associated Countries.

FP7 Capacities Work Programme: Science in Society

Only information provided in part A of the proposal will be used to determine whether the proposal is eligible with respect to budget thresholds and/or minimum number of eligible participants.

Evaluation procedure:

- The evaluation criteria and scoring scheme are set out in Annex 2 of the work programme. For Collaborative Projects (Small or Medium Scale focused research projects) under topics SiS-2010-1.1.1-2 (The role of Ethics under EU policy and law: EU policy in the making); SiS-2010-1.3.3-1 (Assessing how research outputs at individual researcher level are evaluated and measured) and SiS-2010-2.2.3-1 (Science curricula and their objectives), the scientific and/or technological excellence evaluation criterion will include the following additional sub-criterion: "appropriate comparative perspective in relation to the proposed research".
- Proposal page limits: Applicants must ensure that proposals conform to the page limits and layout given in the Guide for Applicants, and in the proposal part B template available through the EPSS.
- The Commission will instruct the experts to disregard any pages exceeding these limits.
- The minimum font size is 11. All margins (top, bottom, left, right) should be at least 15 mm (not including any footers or headers).
- Experts will carry out the individual evaluation of proposals remotely.
- The procedure for prioritising proposals with equal scores is described below.
- **The number of proposals that can be funded per topic is limited as follows:**

Topic SiS-2010 1.0-1 Mobilisation and Mutual Learning Actions	It is envisaged that a maximum of 4 proposals will be funded
Topic SiS-2010-1.1.1-1 The role of Ethics under EU policy and law: the EU as a global actor	It is envisaged that a maximum of 1 proposal will be funded
Topic SiS-2010- 1.1.1-2 The role of Ethics under EU policy and law: EU policy in the making	It is envisaged that a maximum of 1 proposal will be funded
Topic SIS-2010-1.3.3-1 Assessing how research outputs at individual researcher level are evaluated and measured	It is envisaged that a maximum of 3 proposals will be funded
Topic SiS-2010-2.1.1-1 Implementing structural change in research organisations/universities	It is envisaged that a maximum of 2 proposals will be funded.
Topic SiS-2010-2.1.3-1 Women in Science: Euro-Mediterranean Cooperation	It is envisaged that a maximum of 1 proposal will be funded
Topic SiS-2010-2.2.1-1. Supporting and coordinating actions on innovative methods in science education: teacher training on inquiry based teaching methods on a large scale in Europe	It is envisaged that a maximum of 3 proposals will be funded.
Topic SiS-2010-2.2.3-1 Science curricula and their objectives: balancing the needs between training for future scientists and broader societal needs	It is envisaged that a maximum of 1 proposal will be funded

FP7 Capacities Work Programme: Science in Society

Topic SiS-2010-3.0.3-1 Science and the Arts: an experimental approach	It is envisaged that a maximum of 2 proposals will be funded.
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Consortia agreements

Participants are required to conclude a consortium agreement prior to grant agreement.

Indicative timetable

Evaluations are expected to be completed in the month of April 2010. It is expected that the grant agreement negotiations for the shortlisted proposals will be open in July 2010.

Selection of proposals

1. A separate ranking list, based on evaluation scores, will be established for each of the indicative budgets as indicated in the table above. Proposals will be selected within each ranking list according to their ranked order, and provided that the proposal has a score above threshold, until the available budget is committed. Please note that under Activity 5.2.1, since one of the two topics uses the SICA Collaborative Projects funding scheme, a separate ranking list will be established for each of the two topics: SiS-2010-2.1.1-1 Implementing structural change in research organisations/universities and SiS-2010-2.1.3-1 Women in Science: Euro-Mediterranean Cooperation.
2. Activity 5.1.1, *Better understanding of the place of science and technology (S & T) in society*, contains two topics. A single ranking list will be produced for these two topics. The first two places on this list shall be given to the proposal with the highest score from each of the two topics within Activity 5.2.2, (provided that the proposal in question has scored above the threshold). Only one proposal will be financed under each topic.
3. Activity 5.2.2, *Young People and Science*, contains two topics. A single ranking list will be produced for these two topics. The first two places on this list shall be given to the proposal with the highest score from each of the topics within Activity 5.2.2, (provided that the proposal in question has scored above the threshold). Only one proposal will be financed under Topic SiS-2010-2.2.3-1 (*Science curricula and their objectives: balancing the needs between training for future scientists and broader societal needs*).
4. In cases of equal score, the procedure described in Annex 2 will be followed. In cases of completely identical evaluation scores in all criteria, priority will be given to the proposal from the topic with the higher number of proposals submitted and evaluated above threshold.
5. A reserve list will also be established for each Activity ranking list: proposals with evaluation scores above threshold and for which budget is not immediately available (those ranked below the selection list) will be put in this reserve list. Within each reserve list proposals will also be ranked in strict order of score (according to the procedure mentioned in point 4).
6. If money is left over after the selection of proposals for financing from each ranking list, further proposals will be selected across the different reserve lists on the basis of evaluation score obtained. In cases of equal score priority will be given to any topic which obtained the highest score for that topic but which has not been funded because enough money did not remain under that topic. Following this, the procedure described in Annex 2 will be followed. In cases of completely identical evaluation scores in all criteria, priority will

FP7 Capacities Work Programme: Science in Society

be given to the proposal from the topic with the higher number of proposals submitted and evaluated above threshold.

Forms of grants

The forms of grant and maximum reimbursement rates which will be offered are specified in Annex 3 to this work programme, with the following exception: SiS-2010-2.1.1-1 *Implementing structural change in research organisations/ universities*: the EC contribution will not exceed 70% of total eligible costs.

Use of flat rates for subsistence costs:

In accordance with Annex 3 of this work programme, this call provides for the possibility to use flat rates to cover subsistence costs incurred by beneficiaries during travel carried out within grants for indirect actions. For further information, see the relevant Guides for Applicants for this call. The applicable flat rates are available at the following website: http://cordis.europa.eu/fp7/find-doc_en.html under 'Guidance documents/Flat rates for daily allowances'.

CALL FICHE 2 – SCIENCE IN SOCIETY 2010

- Call identifier: FP7-SCIENCE-IN-SOCIETY-2010-UNIV
- Date of publication²⁸: Thursday 30 July 2009
- Deadline²⁹: Tuesday 2 December 2009 at 17.00.00, Brussels local time.
- Indicative budget³⁰: EUR 2.50 million³¹ from 2010 budget
- Topics called:

ACTIVITY/ AREA	TOPICS CALLED	Funding Schemes
ACTION LINE 1: A more dynamic governance of the science and society relationship		
ACTIVITY 5.1.4 The evolving role of universities (Indicative budget: EUR 2.50 million)		
Topic SiS-2010-1.4-2 The role of universities in the process towards a knowledge-based society		CSA (supporting)
		TOTAL : EUR 2.50 million

Eligibility conditions

The general eligibility criteria are set out in Annex 2 of this work programme and in the guide for applicants. Please note that the completeness criterion also includes that part B of the proposal shall be readable, accessible and printable.

A summary of the minimum participation requirements for the funding schemes used in this call is given in the following table. These participation criteria are also criteria for eligibility of the proposal.

Funding scheme	Minimum conditions
Co-ordination and Support Actions (supporting action)	At least 1 independent legal entity which is established in a Member State or Associated Country (see additional criterion, below)

The following additional eligibility criteria apply to this call:

Additional Eligibility Criteria	
Topic SiS-2010-1.4-2 The role of universities in the process towards a knowledge-based society	At least 3 independent legal entities, each of which is established in a Member State or Associated Country, and no 2 of which are established in the same Member State or Associated Country. The maximum duration of the project will be of 2 years. The maximum requested EC contribution

²⁸ The Director-General responsible for the call may publish it up to one month prior to or after the envisaged date of publication.

²⁹ The Director-General responsible may delay this deadline by up to two months

³⁰ The budget for this call is indicative. The final budget of the call may vary by up to 10% of the total value of the indicated budget for the call.

³¹ Under the condition that the preliminary draft budget for 2010 is adopted without modifications by the budgetary authority

FP7 Capacities Work Programme: Science in Society

	shall not exceed EUR 600 000 per project.
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Only information provided in part A of the proposal will be used to determine whether the proposal is eligible with respect to budget thresholds and/or minimum number of eligible participants.

Evaluation procedure:

- The evaluation criteria and scoring scheme are set out in Annex 2 of the work programme.
- Proposal page limits: Applicants must ensure that proposals conform to the page limits and layout given in the Guide for Applicants, and in the proposal part B template available through the EPSS.
- The Commission will instruct the experts to disregard any pages exceeding these limits.
- The minimum font size is 11. All margins (top, bottom, left, right) should be at least 15 mm (not including any footers or headers).
- Experts will carry out the individual evaluation of proposals remotely.
- The procedure for prioritising proposals with equal scores is described below.
- **The number of proposals that can be funded per topic is limited as follows:**

Topic SiS-2010-1.4-2 The role of universities in the process towards a knowledge-based society	It is envisaged that a maximum of 5 proposals will be funded
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Consortia agreements

Participants are recommended to conclude a consortium agreement prior to grant agreement.

Indicative timetable

Evaluations are expected to be completed in the month of February 2010. It is expected that the grant agreement negotiations for the shortlisted proposals will be open in June 2010.

Selection of proposals

1. A ranking list, based on evaluation scores, will be established for the topic as indicated in the table above. Proposals will be selected within each ranking list according to their ranked order, and provided that the proposal has a score above threshold, until the available budget is committed.
2. In cases of equal score, the procedure described in Annex 2 will be followed
3. A reserve list will also be established for the ranking list: proposals with evaluation scores above threshold and for which budget is not immediately available (those ranked below the selection list) will be put in this reserve list: proposals will also be ranked in strict order of score (according to the procedure mentioned in point 2).

FP7 Capacities Work Programme: Science in Society

4. Any part of the budget of this call that will remain unspent will be transferred to the call FP7-SCIENCE-IN-SOCIETY-2010-1.

Forms of grants

The forms of grant and maximum reimbursement rates which will be offered are specified in Annex 3 to this work programme.

Use of flat rates for subsistence costs:

In accordance with Annex 3 of this work programme, this call provides for the possibility to use flat rates to cover subsistence costs incurred by beneficiaries during travel carried out within grants for indirect actions. For further information, see the relevant Guides for Applicants for this call. The applicable flat rates are available at the following website: http://cordis.europa.eu/fp7/find-doc_en.html under 'Guidance documents/Flat rates for daily allowances'.

CALL FICHE 3 – SCIENCE in SOCIETY 2010

- Call identifier: FP7-SCIENCE-IN-SOCIETY-2010-NCP
- Date of publication³²: Thursday 30 July 2009
- Deadline³³: Thursday 29 April 2010 at 17.00.00, Brussels local time.
- Indicative budget³⁴: EUR 0.30 million³⁵ from 2010 budget
- Topics called:

ACTIVITY/ AREA	TOPICS CALLED	Funding Schemes
Topic SiS-2010-4.0.0-3 Supporting specific tasks of the network of Science in Society National Contact Points		CSA (supporting)
TOTAL : EUR 0.30 million		

Eligibility conditions

The general eligibility criteria are set out in Annex 2 of this work programme and in the guide for applicants. Please note that the completeness criterion also includes that part B of the proposal shall be readable, accessible and printable.

A summary of the minimum participation requirements for the funding schemes used in this call is given in the following table. These participation criteria are also criteria for eligibility of the proposal.

Co-ordination and Support Actions (supporting action)	At least 1 independent legal entity which is established in a Member State or Associated Country (see additional criterion, below)
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The following additional eligibility criteria apply in this call:

Additional Eligibility Criteria	
Topic SiS-2010-4.0.3.1 Supporting specific tasks of the network of Science in Society National Contact Points	Only officially nominated National Contact Point (NCP) organisations for Science in Society can apply.

³² The Director-General responsible for the call may publish it up to one month prior to or after the envisaged date of publication.

³³ The Director-General responsible may delay this deadline by up to two months

³⁴ The budget for this call is indicative. The final budget of the call may vary by up to 10% of the total value of the indicated budget for the call.

³⁵ Under the condition that the preliminary draft budget for 2010 is adopted without modifications by the budgetary authority

FP7 Capacities Work Programme: Science in Society

Only information provided in part A of the proposal will be used to determine whether the proposal is eligible with respect to budget thresholds and/or minimum number of eligible participants.

Evaluation procedure:

- The evaluation criteria and scoring scheme are set out in Annex 2 of the work programme.
- Proposal page limits: Applicants must ensure that proposals conform to the page limits and layout given in the Guide for Applicants, and in the proposal part B template available through the EPSS.
- The Commission will instruct the experts to disregard any pages exceeding these limits.
- The minimum font size is 11. All margins (top, bottom, left, right) should be at least 15 mm (not including any footers or headers).
- Experts will carry out the individual evaluation of proposals remotely.
- The number of proposals that can be funded per topic is limited as follows:

Topic SiS-2010-4.0.0.3 Supporting specific tasks of the network of Science in Society National Contact Points	Only 1 project will be funded
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Consortia agreements

Participants are required to conclude a consortium agreement prior to grant agreement.

Indicative timetable

Evaluations are expected to be completed in the month of June 2010. It is expected that the grant agreement negotiations for the shortlisted proposals will be open in July 2010.

Selection of proposals

1. A ranking list, based on evaluation scores, will be established for the topic as indicated in the table above. Proposals will be selected within each ranking list according to their ranked order, and provided that the proposal has a score above threshold, until the available budget is committed.
2. In cases of equal score, the procedure described in Annex 2 will be followed
3. A reserve list will also be established for the ranking list: proposals with evaluation scores above threshold and for which budget is not immediately available (those ranked below the selection list) will be put in this reserve list: proposals will also be ranked in strict order of score (according to the procedure mentioned in point 2).
4. Any part of the budget of this call that will remain unspent will be transferred to the call FP7-SCIENCE-IN-SOCIETY-2010-1.

Forms of grants

FP7 Capacities Work Programme: Science in Society

The forms of grant and maximum reimbursement rates which will be offered are specified in Annex 3 to this work programme.

Use of flat rates for subsistence costs:

In accordance with Annex 3 of this work programme, this call provides for the possibility to use flat rates to cover subsistence costs incurred by beneficiaries during travel carried out within grants for indirect actions. For further information, see the relevant Guides for Applicants for this call. The applicable flat rates are available at the following website: http://cordis.europa.eu/fp7/find-doc_en.html under 'Guidance documents/Flat rates for daily allowances'.

CALL FICHE 4 - SCIENCE IN SOCIETY 2010

- Call identifier: FP7-SCIENCE-IN-SOCIETY-2010-CAREERS
- Date of publication³⁶: Thursday 30 July 2009
- Deadline³⁷: Thursday 21 January 2010 at 17.00.00, Brussels local time.
- Indicative budget³⁸: EUR 4.00 million³⁹ from 2010 budget
- Topics called:

ACTIVITY/ AREA	TOPICS CALLED	Funding Schemes
ACTION LINE 2: Strengthening potential, broadening horizons		
ACTIVITY 5.2.2 Young people and science (indicative budget: EUR 4.00 million)		
Area 5.2.2.2 Reinforcing links between science education and science careers	Topic SiS-2010-2.2.2-1 Reinforcing links between science education and S&T careers in the private sector through reinforcing the partnership industry/education	CSA (Supporting)
TOTAL : EUR 4.00 million		

Eligibility conditions

The general eligibility criteria are set out in Annex 2 of this work programme and in the guide for applicants. Please note that the completeness criterion also includes that part B of the proposal shall be readable, accessible and printable.

A summary of the minimum participation requirements for the funding schemes used in this call is given in the following table. These participation criteria are also criteria for eligibility of the proposal.

Funding scheme	Minimum conditions
Co-ordination and Support Actions (supporting action)	At least 1 independent legal entity which is established in a Member State or Associated Country (see additional criterion, below)

The following additional eligibility criteria apply in this call:

Additional Eligibility Criteria	
Topic SiS-2010-2.2.2-1 Reinforcing links between science education and S&T careers in the private	Eligibility criterion: the minimum number of participants is 3 independent legal entities from 3

³⁶ The Director-General responsible for the call may publish it up to one month prior to or after the envisaged date of publication.

³⁷ The Director-General responsible may delay this deadline by up to two months

³⁸ The budget for this call is indicative. The final budget of the call may vary by up to 10% of the total value of the indicated budget for the call. .

³⁹ Under the condition that the preliminary draft budget for 2010 is adopted without modifications by the budgetary authority

FP7 Capacities Work Programme: Science in Society

sector through reinforcing the partnership industry/education	different Member States or Associated Countries.
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Only information provided in part A of the proposal will be used to determine whether the proposal is eligible with respect to budget thresholds and/or minimum number of eligible participants.

Evaluation procedure:

- The evaluation criteria and scoring scheme are set out in Annex 2 of the work programme.
- Proposal page limits: Applicants must ensure that proposals conform to the page limits and layout given in the Guide for Applicants, and in the proposal part B template available through the EPSS.
- The Commission will instruct the experts to disregard any pages exceeding these limits.
- The minimum font size is 11. All margins (top, bottom, left, right) should be at least 15 mm (not including any footers or headers).
- Experts will carry out the individual evaluation of proposals remotely.
- The procedure for prioritising proposals with equal scores is described below.

Consortia agreements

Participants are required to conclude a consortium agreement prior to grant agreement.

Indicative timetable

Evaluations are expected to be completed in the month of April 2010. It is expected that the grant agreement negotiations for the shortlisted proposals will be open in July 2010.

Selection of proposals

1. A ranking list, based on evaluation scores, will be established for the topic as indicated in the table above. Proposals will be selected within each ranking list according to their ranked order, and provided that the proposal has a score above threshold, until the available budget is committed.
2. In cases of equal score, the procedure described in Annex 2 will be followed
3. A reserve list will also be established for the ranking list: proposals with evaluation scores above threshold and for which budget is not immediately available (those ranked below the selection list) will be put in this reserve list: proposals will also be ranked in strict order of score (according to the procedure mentioned in point 2).
4. Any part of the budget of this call that will remain unspent will be transferred to the call FP7-SCIENCE-IN-SOCIETY-2010-1

Forms of grants

FP7 Capacities Work Programme: Science in Society

The forms of grant and maximum reimbursement rates which will be offered are specified in Annex 3 to this work programme, however under this call and topic SiS-2010-2.2.2.1, the EC contribution will not exceed 50% of total eligible costs.

Use of flat rates for subsistence costs:

In accordance with Annex 3 of this work programme, this call provides for the possibility to use flat rates to cover subsistence costs incurred by beneficiaries during travel carried out within grants for indirect actions. For further information, see the relevant Guides for Applicants for this call. The applicable flat rates are available at the following website: http://cordis.europa.eu/fp7/find-doc_en.html under 'Guidance documents/Flat rates for daily allowances'.

IV OTHER ACTIONS

TABLE 1: Coordination and Support Actions: Grants to Identified Beneficiaries	
Topic	Indicative Commission contribution (million €)
SiS-2010-2.2.2-2 Lindau Foundation event to bring together young researchers with distinguished scientists as role models.	0.055
SiS-2010-3.0.1-1 Conference on Science Media under the Spanish Presidency (Fundación Española de Ciencia y Tecnología – FECYT, Madrid, Spain)	0.18
SiS-2010-3.0.3-2 Euroscience Open Forum 2010 (Associazione TopESOF - Torino per ESOF2010, Via Accademia delle Scienze, 6. C.A.P. Località: 10123 Torino, Italy)	0.30
SiS-2010-3.0.5-1 European Union Contest for Young Scientists (EUCYS) (Fundação da Juventude, Porto, Portugal)	0.60
SiS-2010-4.0.0-2 European Research Area Board Conference under the Spanish Presidency (Fundación Española de Ciencia y Tecnología – FECYT, Madrid, Spain)	0.18
SUBTOTAL	1.32

TABLE 2: Coordination and Support Actions: Expert Group Contracts		
Topic	Indicative timing	Indicative Commission contribution (million €)
SiS-2010-1.1.1-3 Expert group: Dealing with ethical and regulatory challenges to science and research policy at the global level.	First semester 2010	0.15
SUBTOTAL		0.15

TABLE 3: Coordination and Support Actions: Public Procurement		
Topic	Indicative timing	Indicative Commission contribution (million €)
SiS-2010-1.2.2-1. Action to investigate ethics capacity-building methodology	First semester 2010	0.30
SiS-2010-1.4-1 Operational phase of the Data Collection Network on research-intensive universities providing full data-collection services	Second semester 2010	0.80
SiS-2010-1.4-3 Study on the evolving role of universities in the production, diffusion and use of knowledge	First semester 2010	0.20
SiS-2010-2.1.3-2 SHE Figures	First semester 2010	0.40
SiS-2010-4.0.0-1 Studies to assist the European Research Area Board	First semester 2010 – Up to 3 contracts will be awarded.	0.15
SiS-2010-4.0.0-4 Ex-post & Ex-Ante impact assessments of Science in Society Actions	Last quarter 2009	0.745
SUBTOTAL		2.59

BUDGETARY OVERVIEW TABLE

	2010 ⁴⁰ Million EUR
Calls FP7 SCIENCE IN SOCIETY–2010–1, FP7-SCIENCE-IN-SOCIETY-2010-UNIV, FP7-SCIENCE-IN-SOCIETY-2010-NCP, and FP7-SCIENCE-IN-SOCIETY-2010-CAREERS	46.55
Evaluation, monitoring and reviewers (including ethical review)	0.858
Other activities (incl. public procurement, Expert Groups, Grants to Identified Beneficiaries)	4.06
Estimated total budget allocation	51.468

Budget Figures in This Work Programme

All budgetary figures given in this work programme are indicative. The final budgets may vary following the evaluation of proposals.

The final budget awarded to actions implemented through calls for proposals may vary:

- The total budget of the call may vary by up to 10% of the total value of the indicated budget for each call; and
- Any repartition of the call budget may also vary by up to 10% of the total value of the indicated budget for the call.

For actions not implemented through calls for proposals:

- The final budgets for evaluation, monitoring and review may vary by up to 20% of the indicated budgets for these actions;
- The final budget awarded for all other actions not implemented through calls for proposals may vary by up to 10% of the indicated budget for these actions.

⁴⁰ Under the condition that the preliminary draft budget for 2010 is adopted without modifications by the budget authority.