

WORK PROGRAMME 2008

Revised

CAPACITIES

PART 5

SCIENCE IN SOCIETY

(European Commission C(2008)1387 of 16 April 2008)

Capacities Work Programme: Science in Society

The work programme presented here provides for two calls for proposals in addition to other activities. The call for science prizes (FP7-SCIENCE-IN-SOCIETY-2008-2) has been cancelled.

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I. RATIONALE AND CONTEXT FOR THE "SCIENCE IN SOCIETY" WORK PROGRAMME 2008¹:

Engaging society

The issues that are covered by the "Science in Society" Work Programme are at the core of the European Research Area strategy.

The role attributed to science and scientific research in the Lisbon agenda is three-fold:

- Source of innovation and therefore engaged in a competitive race;
- Supply of robust knowledge to underpin policy-making
- Public good to raise the overall level of socio-economic welfare and help solving global concerns such as climate change, poverty and health threats.

The Seventh Framework Programme contributes to the development of scientific research along these three paths and to increasing the societal relevance of research.

The path towards the European knowledge society calls for the conceptualization and development a new "knowledge policy". The Work Programme will support these new policy developments through:

- an increased emphasis on the knowledge base that is needed to underpin them
- the support to experimentation of new processes and new approaches in the fields it covers.

With this in mind, the Work Programme will first encourage greater public engagement and promote the participation of citizens and civil society organisations in research and science policy-making.

Civil society is concerned by the quality of life in its broadest sense which it relates not only to overall economic growth and national prosperity but also to factors that have a more immediate impact on life such as equal opportunities, social inclusion, health, the respect for diversity, education, and a legitimate expectation that the skills taught in school will be adequate preparation for adult life.

Science permeates every sector of society and, as shown by two recent enquiries, its relations with society are complex and show some ambiguities. Citizens rely on scientific research to improve the quality of life and find solutions to issues such as global warming or health threats but they also consider that science and technology may have negative effects and carry risks which should be better assessed and controlled.

Firstly, it is the role of the Science in Society Programme to analyse and better understand the complex relationship between science and society and to foster an open governance of scientific research which takes into account societal concerns and encourages the involvement of social actors. This includes taking into account fundamental ethical principles.

¹ The sources used to draft this work programme are: the 'Capacities' specific programme that defines the structure to be followed, the 2007 EAG SiS report, the MTA SiS 2007 report, as well as reports of specific expert groups and Conferences/workshops and internal reflection documents.

Secondly, the pursuit of scientific knowledge and its technical application towards society requires the talent, perspectives and insight that an increasing diversity in the research workforce will ensure. Therefore, a balanced representation of women and men at all levels in research projects is encouraged. 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.

Thirdly, with the aim of encouraging young people's interest in science and science studies, account will be taken of the new methods in science education, including the contextualization of research in its wider societal context.

Fourth, where appropriate, two-way communication and dissemination strategies will address the wider audience of policy-makers, the media and the general public (including young people), in order to promote increased dialogue and understanding between the scientific world and society at large.

Priorities in 2008

The guidelines for priority actions in 2008 concern therefore:

- the *continuous development of a new conceptual framework*, supplied by our strengthened actions of support for "Science in Society" research under each Action Line;
- the *strengthening of the exchanges of knowledge and of experiences between Member States, Associated Countries as well as between research actors* on objectives, tools, methods and evaluations of what is done at all levels, ensuring as far as possible a broad coverage of Member States and associated countries;
- the *promotion of good practices aiming at reducing the obstacles to an "open governance of research in Europe"*; the targets of such an activity are the research organisations and the Ministries in Member States wishing to promote a model of open governance that is developing and positive for them.
- the *highlighting of some key 'Science in Society' topics at the European (and global) levels*, topics which concern all the European citizens and for which a workable stock of knowledge can be exploited in the shorter term. In particular the implementation of "science in society" approaches in thematic areas covered by the "Cooperation" specific programme will strengthen the links with them ("cross-thematic activities").

The content of the 2008 Work Programme will respect a certain continuity while introducing new elements. Furthermore it must be kept in mind that from 2010 onwards the SiS budget should increase significantly and open new opportunities for action at Community level. Activities launched from 2007 to 2009 should therefore prepare the transition towards more ambitious goals.

New topics introduced in the 2008 Work Programme include, under Action Line 1, support for trans-national exchange of experience between research integrity structures; action as regards the scientific publishing system; support for projects in the field of governance in the production of health and medical knowledge (as a cross thematic issue); and support for local actors on scientific culture. Under Action Line 2, new topics include gender management in research organisations; the influence of the perception of science on study choices; gender and leadership in medicine, and actions on innovative methods in science education. Support for training activities for journalists and high-level scientists have been introduced under the third Action Line. Under

Action Line 4, a limited number of structuring activities have been introduced in support of the Work Programme as a whole.

Cross thematic partnerships

The principles inherent in this Work Programme will also be taken up, in different ways, in other parts of the Seventh 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.

Support for these *Cross-Thematic Partnerships* will take the form of expert groups, conferences, studies and analyses, which will mobilise, in a synergistic way, the resources and expertise associated with this programme, and the thematic priority in question.

Within the Science in Society Work Programme, the following topics have a cross cutting / cross thematic relevance:

- Topic SiS-2008-1.3.3.1 – Transnational networking between advisory structures, with a focus on the WP cross-thematic themes (environment, energy, health, nanotechnologies)-
- Topic SiS-2008-1.3.3.3 - GovernScience on inclusive risk governance, with a focus on the Work Programme's cross-thematic themes.
- Area 5.1.2.1: Implementing open governance in cross-thematic themes:
 - Topic-SiS-2008-1.2.1.5 – Energy and Environment
 - Topic-SiS-2008-1.2.1.3 - Governance in the production of health and medical knowledge which includes gender issues and is developed in complementarity with the following topic under Action Line 2: Topic-SiS-2008-2.1.3.1 - Gender and leadership in medicine.
- Topic SiS-3.0.3.1 - Encouraging co-operation and networking between scientific events organisers on public engagement with science - cites the following issues of particular interest: e.g. energy provision and consumption, environment and public health protection, nanotechnology development.

With a view to developing cross-thematic activities in the area of biotechnology, agriculture and food, it is planned to organise meetings in 2008 in cooperation with the RTD Directorate Biotechnologies, Agriculture, Food, which is in charge of these themes.

International Cooperation

In pursuit of the widely acknowledged objective of a shared prosperity in the global knowledge society, it is critical to facilitate closer cooperation between Europe and third countries² or regions of the world, not simply by enhancing S&T international cooperation, but also by addressing the societal aspects related to the research activities that are carried out in the partner third countries. This will help ensure a global perspective on science and societal issues that is not simply focused on European concepts of science.

All topics in this work programme³ are open to international cooperation³. **There is provision for the participation of research partners from the International Cooperation Partner Countries**

² Countries which are not EU Member States or Associated Countries

(ICPC) from the FP7 budget. A list of the ICPC countries is given in Annex 1. Topic SiS-2008-1.2.2.1, Promotion of pan-European and international awareness of the ethical aspects of Security technologies, is particularly well-suited for international cooperation. The minimum participation requirements for this topic are specified in Call Fiche 1. For this topic, the inclusion of a relevant third country partner or partners as indicated in the topic description could add to the excellence and impact of the project.

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:

I) COLLABORATIVE RESEARCH PROJECTS (SMALL OR MEDIUM-SCALE FOCUSED 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)

Where Collaborative projects are indicated as the Funding Scheme, it is expected to fund one or more projects per topic.

Under this 2008 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 1 000 000. Please note, this maximum amount of the requested Community grant is a criterion for the eligibility of proposals.

II) 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 named beneficiaries, public procurement, and expert groups.

III) RESEARCH FOR THE BENEFIT OF SPECIFIC GROUPS - CIVIL SOCIETY ORGANISATIONS (BSG-CSO)

The funding scheme supports research and technological development projects where the bulk of the research is carried out by RTD performers for the benefit of specific groups, defined as civil society organisations and their networks (CSO) in this Work Programme. Research for CSO aims to develop scientific knowledge related to CSO activities in order to contribute to public debate.

In the context of this Work Programme and the funding scheme BSG-CSO in particular, civil society organisations are considered to be any legal entity that is non governmental, not-for-profit, not representing commercial interests, and pursuing a common purpose in the public interest.

Research results for the public good: under this scheme the research results are jointly owned by the participating CSOs, or, if owners are not the CSOs, they should ensure that CSOs are provided with all the rights to use and to disseminate the results. Provisions are set out in a consortium agreement between grant beneficiaries.

Minimum participation: three independent legal entities established in three different Member States or Associated Countries, of which at least one civil society organisation as defined above and one research organisation.

The maximum requested EC contribution in this funding scheme will be up to and including EUR 1 000 000. This is an eligibility criterion.

Further information on the funding scheme 'Research for the benefit of specific groups - Civil Society Organisations (BSG-CSO)' can be found in the Guide for Applicants.

II. CONTENT OF CALLS IN 2008

'Science in Society' will be implemented through:

SUB-PART 5.1. First action line: A more dynamic governance of the science and society relationship

The overall objective of the first action line is to contribute to a better understanding of the governance of science and to support the development of an open governance of scientific research which encompasses societal concerns and involves civil society and its organisations in research policy. This overall objective guides the initiatives planned under the three following activities⁴:

1. Better understanding of the place of science and technology in society
2. Developing governance to anticipate and clarify political, societal and ethical issues
3. Strengthening and improving the European science system

Under the first activity, the global aspects of the governance of science (incl. ethical issues) are discussed within a new expert group, while research on ethics and new technologies is continued. In the context of the relationship between science, democracy and law, support is given to debates with Parliaments and an expert group will examine the ethical dimension of the expected revision of the Directive on the protection of animals used for experimental and other scientific purposes.

Under the second activity, open governance processes and tools are developed in themes of great concern to society, i.e. environment, energy, nanotechnologies and health, as cross-thematic activities. Debates on ethics and science are supported in three perspectives, with the National Ethical Councils, on security technologies and in relation to developing countries and emerging economies.

Under the third activity, the research communities are invited to reflect upon their own system in terms of quality and accountability vis-à-vis society as a whole, to analyse scientific integrity, scientific publishing in the light of the knowledge-based society and globalisation, and to discuss with other actors concerned how to bring about more transparency and contribute to a wider access to knowledge.

Recommendations formulated in the following reports, among others, will be progressively developed in this and successive annual Work Programmes during the whole FP7 period: FP6 Science and Society mid-term assessment⁵; GoverScience (November. 2005)⁶; "Historical perspectives on Science, Society and the Political"⁷ (June 2006); "Taking the Knowledge-based society seriously"⁸ (January 2007).

In line with the increasing annual budget, the part devoted to research will be progressively

⁴ Please note that the expert groups and expert contracts are grouped together in the Policy Development section

⁵ <http://ec.europa.eu/research/science-society/index.cfm?fuseaction=public.topic&id=1080>

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

⁷ http://ec.europa.eu/research/science-society/document_library/pdf_06/report_from_historical_seminar_en.pdf

⁸ <http://ec.europa.eu/research/science-society/index.cfm?fuseaction=public.topic&id=119>

expanded with a particular support to participatory processes, and multidisciplinary / multi-stakeholder approaches. Ethical and gender issues should be taken into consideration in the various topics. The international dimension is integrated in several initiatives and reinforced with the setting up of an Expert Group on global governance and ethics.

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 6.20 million, available for topics SiS-2008-1.1.2.1 Ethics and new and emerging fields of science and technology, and SiS-2008-1.1.5.1 Exchanges and cooperation of local actors on scientific culture

Objectives 2007-2013: *In order to address the relationship between science and society through sound policies, the knowledge accumulated in the history, sociology and philosophy of sciences needs to be expanded, consolidated and spread at European level. To this end, scholars from these disciplines should be encourage to develop transnational research and debates that contribute to the understanding of the participation of science in building a European society and identity.*

Research should support wider critical reflection on the deep relationships between knowledge and democracy. In this regard, the European Commission's own emerging principles of good governance (including: 'openness', 'participation', 'accountability', 'transparency' and 'effectiveness'⁹) are not only fundamental aspects of democratic process, but are also essential to the building of an effective 'knowledge based society'. Just as democratic empowerment is intrinsic to the building of scientific and other forms of knowledge, so too is respect for the diversity of knowledge's intrinsic to democratic governance.

A call on "revisiting the challenges of the interaction between science and politics" is included in WP2007 as a follow-up of the expert group on Science and governance (2006/2007) and the seminar of Historical perspectives (June 2006). In 2008 the selected projects will be implemented.

The WP 2008 focuses on preparing expert reports on the protection of animals used in experimentation. It also supports debates on ethics, law, science and democracy with Parliamentary offices for science and technology and similar bodies and continue to fund research on ethics.

Area 5.1.1.1 Relationships between science, democracy and law

Cf. also the chapter on Policy Development below.

SiS-2008-1.1.1.1 Seminar with parliamentary offices for science and technologies

This seminar is seen as a preliminary stage to foster exchanges of views and practices between the Parliamentary offices for science and technology and similar bodies in the European Union and the Associated countries and the Commission on topics relating to science, ethics, law and democracy.

⁹ European Commission. *European Governance: A Paper*, COM (2001) 428, Brussels, Commission of the European Communities, 2001, Section II.

Funding scheme: Co-ordination and support action (Public Procurement)

Indicative budget: EUR 50 000

Area 5.1.1.2 Research on ethics in science and technology

SiS-2008-1.1.2.1 Ethics and new and emerging fields of science and technology

Description of topic: Ethical frameworks of new and emerging fields of science and technology. Research on ethics can either address the Research and Technology Development phase or the application phase of new technologies. In particular, research is sought on ethical issues for which no European or international guidelines exist and which would be relevant for European science and technology policy. Particular consideration should be given to areas such as information and communication technologies, dual use, which have less extensive existing guidance, and can include as well but not be limited to technologies in the field of security (relevance to these issues cited represents an added value and this will be reflected in the evaluation). The research should yield insights on how those ethical issues could be considered in EC policy.

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

Expected Impact: to contribute positively to the quality of research in the field of ethics of new and emerging fields of science and technology and to the early identification of ethical issues and their relevance for EC policy.

Area 5.1.1.3 The reciprocal influence of science and culture

No action in 2008

Area 5.1.1.4 The role and the image of scientists

No action in 2008.

Area 5.1.1.5 Public understanding of science and promotion of public debate

SiS-2008-1.1.5.1 Exchanges and co-operation of local actors on scientific culture

Description of the topic: several projects funded under FP6 are generating interesting results in terms of promoting science culture in local settings. The concept of Science Cities is also gaining prominence in some countries in terms of the stimulation and regeneration of local economies. Clearly the potential of cities should be harnessed to act as agents for reinforcing the links between science culture and society. This activity aims then to exchange best practices and co-operation between cities (and/or regions) for the development of a scientific culture at the local level. Action in 2008 will focus on the creation of a European mission-oriented network of cities (preferably of different sizes) specifically constituted to cooperate on science in society issues. The network should at the same time ensure a high-quality and active participation of its members and the broadest geographical coverage of Member States and Associated countries. The network should ensure the performance of concrete actions such as: exchanges of best practices (twinning,

coaching, networking); actions that can foster the co-operation of local actors on scientific culture in an attractive way; also using their scientific technical and cultural heritage; developing two-way communication between scientists and citizens. Evaluation will treat positively those proposals which propose actions liaise with existing Science Shops, science museums / centres or encourage the development of new Science Shops (or similar organisations) as a tool to provide local civil society organisations with the scientific knowledge they need. Existing network organisations should propose new partnerships with other structures and actors.

Funding schemes: Co-ordination and support actions (coordinating) and Co-ordination and support actions (supporting)

Expected impact: Actions for the development of a scientific culture at the local level should in particular bring together relevant local actors involved in science, culture, entertainment, education, local economical development, citizens' participation, media (e.g. local authorities, outreach departments in universities and research centres, science museums, science cafes, schools, libraries, Science Shops, citizens' conferences, local civil society organisations, local media, enterprises etc.). The European financing will not, however, support individual cities developing their local actions but the networking, the exchanges, the co-operation and the promotion of local scientific culture involving different cities/regions. Projects must include appropriate feed-back activities in order for the Commission to get policy inputs.

Activity 5.1.2. Developing governance to anticipate and clarify political, societal and ethical issues

Indicative budget amount for calls for proposals: EUR 4.65 million, available for topics SiS-2008-1.2.1.3 Governance in the production of health and medical knowledge, and SiS-2008-1.2.2.1 Promotion of pan-European and international awareness of the ethical aspects of security technologies.

Objectives 2007-2013:

- ü *Improve the integration of society's aspirations and concerns, and fundamental ethical principles in research policy*
- ü *Encourage public engagement and the participation of civil society organisations throughout the research process, creating a more constructive environment for researchers and for society as a whole;*
- ü *Implement open governance of science in themes of concerns for civil society*

Sustained attention is needed for the development and dissemination of robust and efficient procedures for participation of civil society actors in research policy, taking stock of the initiatives funded in FP6 and in the first year of FP7. Cross-thematic activities give the opportunity to implement an open governance approach in themes of key interest for civil society.

For two successive years, the capacity-building of Civil Society Organisations (CSO) has been supported to prepare them to invest further in research activities. There are various structures and opportunities for CSOs to participate in research, for instance to discuss research agendas (e.g. European Technology Platforms or European Social Platform) or to be involved in implementing

research. For this purpose, a new funding scheme for the benefit of CSOs was introduced in FP7 which can be used in topics of particular interest for CSOs in this Work Programme and in themes of the Cooperation Specific Programme.

It is also proposed to develop further the concept of 'Co-operative Research' which emerged from the Gover'-Science seminar¹⁰ and has been introduced in the 2007 Work Programme. It is a process involving researchers and non-researchers, including civil society organisations, where relational learning counts as much as science and technology outcomes, where forms of knowledge are treated symmetrically and design, implementation and dissemination are integrated in the projects.

More synergies will be developed between governance and ethics, in the various topics and in particular within the cross-thematic activities.

Area 5.1.2.1 Broader engagement on science-related questions

SiS-2008-1.2.1.1 Training package on open governance of research

Description of topic: Elements developed in FP6 and FP7 to draw the attention of policy officers on the conceptual and practical developments in open governance of research and research based policies will be organised in a full training package and its use facilitated to public services in the European Union and associated countries.

Funding scheme: Coordination and support action (Public Procurement). Please refer also to Table 3 on page 43 for more information on the public procurement procedure.

Indicative budget: EUR 100 000

Implementing open governance on themes of societal concern (*Cross-thematic activities*)

The aim is to experiment with open governance approaches in specific research and technology fields with a view to identifying best practices, and disseminate them through FP7 thematic research activities. The planned activities correspond to the follow-up of the 2007 activities in "environment and energy" and "nanotechnologies" and include health as a new field of activities. They aim to enhance and better understand interaction between scientists and other stakeholders, including civil society at different stages of the research process.

Topic 1.2.1.2

No action in 2008

¹⁰ ec.europa.eu/research/science-society/page_en.cfm?id=3183

Health:

SiS-2008- 1.2.1.3 Governance in the production of health and medical knowledge

Description of topic: This topic aims to support projects (such as interdisciplinary approaches, collective reflection involving actors concerned, comparative studies, historical perspectives to inform present situations, participatory foresight) on the modes and sites of knowledge production regarding diseases, in particular concerning:

- the roles of the various actors, in particular patient organisations and other civil society organisations, as sources of knowledge and interested parties, in shaping the definition, diagnosis, monitoring and/or treatment of diseases; *and/or*,
- gender issues and the role of women; *and/or*,
- interactions and cross-fertilizations between different forms of knowledge, emerging forms of knowledge etc.

Proposals must include a transnational European dimension (EU Member States or Associated countries) and this will be reflected in the evaluation. If relevant to the topic, proposals may also include an international dimension, particularly as regards developing countries and emerging economies.

Funding Scheme: Collaborative Research Projects (Small or medium scale); Research for the benefit of specific groups (civil society organisations) (BSG-CSO – please note the maximum requested EC contribution of EUR 1 000 000 for this funding scheme); CSA (supporting)

Expected Impact: To contribute to a better understanding of governance of health and medical knowledge/ research, its recent evolution and its perspectives

Area 5.1.2.2 Conditions for an informed debate on ethics and science

Cross Thematic: Security

SiS-2008-1.2.2.1: Promotion of pan-European and international awareness of the ethical aspects of Security technologies

Description of topic: One of the major innovations under the Seventh Framework Programme is the funding of security technologies. At the same time, these technologies raise major ethical concerns. Given the controversial elements in those discussions relating to security and privacy, notably in the field of biometrics, which was demonstrated at the first international conferences (in Brussels and Washington DC) ever organised on this subject, and supported by DG RTD, a promotion of the European and international dialogue should continue. This topic will support actions to continue this dialogue, with the international partners, particularly but not limited to those in Asia and North America. The proposal must, therefore, include a transnational European (EU Member States or Associated States) dimension and an international dimension with the involvement of third countries (particularly, but not limited to countries in Asia and North America) – this will be reflected in the evaluation. Relevant issues could include (but are not limited to) data protection, proportionality, public consultation, dialogue on application of research on security technologies.

Funding Scheme: Co-ordination and support actions (coordinating) and Co-ordination and

support actions (supporting)

Expected Impact: To contribute towards a better coordination and collaboration between national actors at the European and international levels on important ethical issues of European significance.

SiS-2008-1.2.2.2: Conferences on capacity building on ethics in developing countries and emerging economies

(a) Grant to a named beneficiary: Council of Europe

Legal Entity: Council of Europe, Strasbourg

Budget to be allocated: EUR 150 000

Objectives expected to be fulfilled: The grant will be used to support an international joint conference on informed consent in the perspective of better global governance of the issue, dealing with selected topics that specifically address the situation and the needs of members of Research Ethics Committees in developing countries and emerging economies. It is expected that this action will contribute to the reinforcement of the compliance with fundamental ethical principles in research worldwide, the progressive strengthening of international and regional networks (including exchange with the EU Member States and Associated countries) in the field of ethics and science and the further development and implementation of international standards and best practices concerning ethical research practices in a globalised context.

Evaluation criteria: As regards the criteria mentioned in Article 15 of the rules of Participation, the quality of actions/activities foreseen, the appropriateness of the use of funds and the quality of management will be more relevant.

Maximum possible rate of co financing: The Commission shall finance 90% of the total eligible costs, up to EUR 150 000.

(b) Grant to a named beneficiary: UNESCO

Legal Entity: United Nations Educational, Scientific and Cultural Organisation (UNESCO), Paris

Budget to be allocated: EUR 150 000

Objectives expected to be fulfilled: The grant would be used to support a joint conference with UNESCO on a selection of challenges that developing countries and emerging economies are facing in the field of research ethics. The direct and active participation of representatives from those countries is expected.

Evaluation criteria: As regards the criteria mentioned in Article 15 of the rules of Participation, the quality of actions/activities foreseen, the appropriateness of the use of funds and the quality of management will be more relevant.

Maximum possible rate of co financing: The Commission shall finance 90% of the total eligible costs, up to EUR 150 000.

Support for the Forum of National Ethics Councils

The following initiative is not part of this work programme and is funded by another source. However, information is provided here for its link to activities set out in this Work Programme.

The Forum of National Ethics Councils is an independent informal platform for exchange of information, experience and best practices on issues of common interest in the field of ethics and science. The NEC Forum contributes to the coordination of ethics policies in Europe, following the "open method of coordination". It meets twice a year, hosted by the National Ethics Council of the country that holds the current EU Presidency. The Commission will continue to support the NEC Forum in 2008. In addition to facilitating its full meetings, it will support additional 'troika' meetings of the countries that hold the past, present and future EU presidency, so as to further coordinate cooperation and streamlining the agenda of its full meetings. Both full and troika meetings will take place in synergy with a dedicated e-community of the NEC Forum, provided by the Commission on its SINAPSE network. Various topics will be debated, such as informed consent, donation of biological materials and other topics that are addressed in this Work Programme.

Activity 5.1.3. Strengthening and improving the European science system

Indicative budget amount for calls for proposals: EUR 4.80 million available for topics SiS-2008-1.3.1.1 Coordination and support actions on the scientific publishing system in connection with research excellence and dissemination and sharing of knowledge, SiS-2008-1.3.2.1 Supporting trans-national exchange of experience between Research Integrity Structures, and SiS-2008-1.3.3.1 Transnational networking between advisory structures

<p><i>Objectives 2007-2013: At European level and in the light of the globalisation, stimulate analysis and debates to improve the standards of the European science system and its ability to produce robust and reliable knowledge, to support policy-making and respond to social needs</i></p>
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The growing knowledge-based society and the rapid development of ICT present new challenges for the European science system in terms of production, circulation, use and sharing of scientific knowledge. A wider range of actors undertake scientific activities and use scientific findings. Scientists and scientific practices can be founded in many organisations, including traditional ones (universities and research centres) and less traditional ones such as enterprises, trade unions and other civil society organisations.

Sites and regimes of production of science and knowledge are increasingly diversified, strongly interacting, even competing with each other. For instance, distributed innovation is emerging independently from scientific research (e.g. ICT, agriculture). The increasing diversity of knowledge production is reflected in the development of more and more pervasive networks of expertise.

The actions presented below propose to contribute to a better understanding of the above-mentioned challenges that the European science system is facing and to examine conditions and means for its adaptation.

Area 5.1.3.1 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-2008- 1.3.1.1 Co-ordination and support actions on the scientific publishing system in connection with research excellence and dissemination and sharing of knowledge

Description of topic: A healthy scientific publication system is a key element of successful research activity. It is the central vehicle for the exchange and dissemination of research results and determines the process of peer review, the main mechanism by which scientific quality and integrity are guaranteed. The scientific publishing system also has an important impact on research funding decisions and contains some of the unwritten rules guiding scientists' professional careers. The Commission Communication on "Scientific information in the digital age: access, dissemination and preservation"¹¹ addresses these and further issues within the broader area of access to, dissemination and preservation of scientific information.

Through this topic, the Commission aims at fostering the development of joint or common research and policy agendas by building up a knowledge base through coordination (networking) and supporting actions. Subjects of particular interest include peer review, bibliometric indicators, publishing business models, and the relative impact of peer-reviewed publication on scientific careers.

Co-ordinating actions should aim at coordinating research activities and policies. For example, they may include the organisation of events, exchange and dissemination of good practices, or the definition, organisation and management of joint or common research initiatives and/or policy activities (without funding research as such).

Supporting actions should aim at contributing to the implementation of the Framework Programmes and the preparation of future Community research policy. Examples of support actions include the organisation of events, studies, fact finding, monitoring, and strategy development.

Actions can also be multi-disciplinary and include different stakeholders from different EU Member State or associated countries (e.g. national research funding bodies, publishers, libraries, universities, industry users of publications). Actions can also be conducted from a comparative perspective (e.g. across countries or disciplines). Actions bringing together public sector stakeholders from different EU or associated countries (e.g. several national funding bodies) can also be proposed. Where relevant, the gender dimension may be taken into consideration.

Funding Schemes: Co-ordination and support actions (coordinating) and Co-ordination and support actions (supporting)

¹¹ COM (2007)56 final

Expected Impact: Network-building between concerned stakeholders at the national, European and international levels with a view to supporting the development of joint or common research and policy agendas in the area of scientific publishing in connection with research excellence and integrity; support to the Commission's policy on access to scientific information.

Area 5.1.3.2 Promoting trust and self-regulation in the scientific community

Scientific integrity is one of the cornerstones of the science system. The issue of integrity covers a broad range of aspects and is considered as a cross-cutting issue in this Work Programme. It is brought up notably in topics relating to scientific publishing (Area 5.1.1.2 – topic 1.1.2.1.) and global governance of science (Area 5.1.3.1 – Topic 1.3.1.1). As part of the 2007 Work Programme, the Commission supported the Portuguese Presidency conference in September 2007. In this context it is planned in 2008 to consult and support networking between interested parties and to reflect on possible further action.

SiS-2008-1.3.2.1: Supporting trans-national exchange of experience between Research Integrity structures

Description of topic: There are various types of structures dealing with integrity of research at national level in Europe and consequently various practices are used. If integrity issues are to be dealt with in transnational research activities, there must be further exchanges (for example, via SINAPSE) of experience aiming at a coherent European approach and implementation of the rule of law. The structures responsible for dealing with integrity at national level are therefore invited to submit proposals aiming to exchange their views and progress towards a common European approach.

Funding Scheme: Co-ordination and support actions (coordinating)

Expected Impact: to contribute to an analysis of national practices with a view to developing common standards/codes of practice for research.

Area 5.1.3.3 Improving the use, and monitoring the impact, of scientific advice and expertise for policy-making in Europe (including risk management), and developing practical tools and schemes (e.g. electronic networks),

SiS-2008-1.3.3.1: Transnational networking between advisory structures

Description of topic: Support to networking activities of governmental and other advisory structures, using in particular SINAPSE¹² as the electronic communication tool, notably to promote transnational debates on common concerns, in relation to policy-making in Europe. This encompasses the access to a wider knowledge base, interactions with various sources of expertise and appropriate involvement of different types of stakeholders. A focus on open governance and ethical issues in the cross-thematic themes such as environment, energy, health, nanotechnologies, biotechnologies, agriculture and food is encouraged, and this will be reflected in the evaluation.

¹² SINAPSE is a web communication platform, hosted on the EC Europa website (<http://europa.eu/sinapse>), which promotes the use of expertise in policy making.

Funding Scheme: Co-ordination and support actions (coordinating)

Expected Impact: Contribute to extend transnational networking of expertise while increasing openness to society, access, transparency and efficacy in the exchange of knowledge and improving the use of scientific advice and expertise for policy-making in Europe.

SiS- 2008- 1.3.3.2 Further development of SINAPSE

The development of this European interface between the EC services (and other actors involved in policy making) and the world of expertise will include in particular, enhancing its functionalities, providing assistance to users, supporting emerging activities, ensuring maintenance and adapted infrastructure.

Funding Scheme: Coordination and support action (Public Procurement). Please refer also to Table 3 on page 44 for more information on the public procurement procedure.

Indicative budget for Commission contribution: EUR 750 000

Expected Impact: Increase SINAPSE accessibility and usefulness to exchange knowledge across the European Union and beyond.

Activity 5.1.4 The evolving role of universities

Objectives 2007-2013: University-based Research plays a crucial role in the development of a European Knowledge-based Society. The actions under this heading support, at the European level, the ongoing process of reform of European universities, in line with the May 2006 Communication "Delivering on the Modernisation agenda for Universities: Education, Research and Innovation" COM (2006) 208 of 10 May 2006. They will be carried out in coordination with the ongoing activities launched by DG EAC on the follow-up to this Communication, complementing them from the research angle.

- *defining better framework conditions for more efficient university research,*
- *promoting the establishment of structured partnerships with the business sector, having regard to universities' research management capacities,*
- *reinforcing knowledge-sharing between universities and society at large.*

The Commission is not a direct actor in the modernisation of universities, but as proposed in the Communication: *Delivering on the Modernisation Agenda for Universities: Education, Research and Innovation*, it can play a catalytic role, providing political impetus and targeted funding in support of reform and modernisation. The following actions are part of the European Commission's work with the relevant public authorities and Universities themselves to support the modernisation process addressed in the Communication "*Delivering on the Modernisation agenda for Universities: Education, Research and Innovation*", COM (2006)208.

The following actions are proposed to meet the objectives of the three above-mentioned Areas:

SiS-2008-1.4.1 Establishment of University-based Research (UbR) expert groups

A limited number of University-based Research (UbR) expert groups involving a variety of stakeholders coming from universities, the business community, research organisation, governments and other stakeholders, will be set-up on a yearly basis to address different aspects of the university reform process from a research perspective.

The aim of the expert groups is to analyse the issues, identify options and good practices and provide recommendations to the Commission, Member States and institutions.

The results of the work of these expert groups will later be discussed with stakeholders, including universities and public administrations, through seminars. The implementation by universities of relevant recommendations will subsequently also be supported.

In 2008 an UbR expert group will be set up on "Assessment of UbR". This expert group will discuss approaches and methodologies to assess UbR activities and also the means whereby this assessment can be fed into strategy definition and implementation by universities and public administrations in Member States and Associated Countries. Particular attention will be paid to the assessment of UbR beyond strict academic outputs (typically publication based) and covering also non-academic commercial (e.g. licensing) and non-commercial (e.g. scientific input to policy making) outputs of research activities. The expert group will also take into account the broad context of the modernisation of the European universities.

Funding Scheme: Coordination and support actions (expert contracts)

Indicative budget for Commission contribution: EUR 230 000

Indicative calendar: Set-up second half of 2008

Expected impact: In conjunction with the UbR expert group on "UbR accounting" set-up in 2007, this UbR expert group will pave the way for exchange of best practices and data collection in domains relevant to support the reform of universities in their research related aspects, and provides policy input in support of better and stronger UbR in Europe.

SiS-2008-1.4.2 Development of a European Data Collection Network on research-active universities

Data on research-active universities is limited and often not comparable. Moreover, the number and meaning of existing indicators is limited and does not allow for a benchmarking of University-based research activities that could be informative for policy makers and the institutions themselves. To address this pressing need, the Commission will support the development of a *European Data Collection Network on research-active universities* in coordination with Eurostat and DG Education and Culture.

The network will build on, coordinate and complement existing dispersed data collection efforts. It will undertake the collection of data on research-active universities at institutional level, which can imply, for some countries, direct contacts with universities or national agencies or associations, such as evaluation agencies or rectors' conferences; coordinate and integrate existing expertise and data collection initiatives in this domain; as well as develop further expertise as needed to fulfil the task. The network will have a long-term goal to build a complete census of European universities and a short-term goal to start with the research-active universities.

This action will start in 2008 with a pilot phase of the project in order to validate the different technical details involved in such a data collection exercise, and will be followed in 2010 by the operational phase providing full data-collection services.

This action is conceived as a multi-annual support lasting for the entire 7th Framework Programme through periodic public procurement calls, to be issued approximately every two years.

Funding Scheme: Coordination and support action (Public Procurement). Please refer also to Table 3 on page 44 for more information on the public procurement procedure.

Indicative budget for Commission contribution: EUR 1 250 000 for 15 months

Indicative calendar: First half of 2008

Indicative subject: European Data Collection Network on research-active universities

Expected impact: This action will build on, coordinate and complement existing dispersed data gathering efforts and help the development of an appropriate informational network on European universities at the institution level. It will be a key step in producing a substantive comparable and consistent set of data at the institution level on the activities of research-active universities throughout Europe. This will constitute information for the Member States, Associated Countries and the EC to assess policy options in the area of University-based Research.

Policy Development

Initiatives involving experts groups and experts contracts are planned to take stock from previous funding activities in FP6 and analyse more in-depth current challenges in the field of global governance and the use of animals for experimental and other scientific purposes.

SiS-2008-1.1.1.3 Expert group on the "global governance of science".

The group will address the global aspects of ERA (competitiveness, global movement of researchers), scientific integrity, international divergences on ethical aspects of science and technology and the impact of ethical standards in the context of the globalisation of markets.

Funding Scheme: Coordination and support action (expert group)

Indicative budget for Commission contribution: EUR 150 000

Expected impact: To contribute to analysis of the current deficits of a global governance of science in order to better address the global aspects of ERA, scientific integrity and ethical aspects of science and technology

SiS-2008-1.1.1.4 Expert group on "Animals for experimental and other scientific purposes":

A comparative analysis "Animal Welfare Committees in the European Research Area" was published in February 2006, which recommends inter alia that "A *European network should be developed that promotes the exchange of expertise, experiences and information about 'best practices' for AWCs*". The revised Directive on the protection of animals used for experimental and other scientific purposes (86/609/EEC) is likely going to make an ethical evaluation mandatory.

The rationale for the setting up of such group is to prepare for the ethical dimension of the revision of the Directive on the protection of animals used for experimental and other scientific purposes (86/609/EEC). The group will tackle regulatory aspects but will also take into account new challenges brought by today's and tomorrow's research such as the use of animals in non-medical research, cloning etc. Representatives of civil society organisations will also be invited to take part in the group and joint efforts with other Commission's services will be studied (with e.g. other services in DG Research, DG Health and Consumer Protection, DG Environment, Bureau of European Policy Advisors - BEPA). The mandate of the group should include the impact assessment and preparatory work for the potential development of an ad-hoc Forum on Animal Welfare Committees in view of the adoption and implementation of the revised Directive.

Funding Scheme: Coordination and support action (Public Procurement). Please refer also to Table 3 on page 43 for more information on the public procurement procedure.

Indicative budget for Commission contribution: EUR 200 000

Expected Impact: As the use of animals in research has dramatically evolved in the past 20 years, the group is first expected to contribute to a fresh analysis of the current situation from an ethics viewpoint. In a medium term, the setting up of an ad-hoc Forum on Animal Welfare Committees would be an option for the Commission to act as a catalyst and bring support to Member States in complying with the expected new EC legislation on the protection of animals used for experimental and other scientific purposes.

SiS-2008-1.2.1.4: Gover'Science–civil society organisations in research

Description of topic: Action under this topic is meant to take stock of previously funded projects actively involving CSOs and to give visibility to innovations concerning the opening up of research to civil society at national and EU level (e.g. CSO capacity building, involvement in research agendas, co-production of knowledge, new funding scheme for the benefit of CSOs, etc). The relevant projects will be invited to a seminar in order to exchange experiences so far with a view to investing further in research. Relevant Commission services will be invited.

Funding Scheme: Coordination and support action (Public Procurement). Please refer also to Table 3 on page 43 for more information on the public procurement procedure.

Indicative budget for Commission contribution: EUR 50 000

Expected impact: Support exchanges between projects funded by the SiS Work Programme and contribute to make the projects results known and used by other Commission services and in relevant European activities / policies.

SiS-2008-1.2.1.5 Cross-Thematic activity Energy and Environment: - An analysis of past and present projects supported by the Framework Programmes will be organised in 2008, building on the 2007 Post-Carbon Conference and on the outcome of the workshops held in 2008.

Funding Scheme: Coordination and support action (public procurement)

Indicative budget for Commission contribution: EUR 50 000

SiS-2008-1.3.3.3 Gover'Science on Inclusive Risk Governance

The objective of this topic is to take stock of previously-funded projects on risk governance in FP6, in particular the three currently-running projects on an integrative approach to risk governance (MIDIR, CARGO and RISKBRIDGE). The projects will be invited to a Gover'Science Seminar in order to exchange views on the best way to progress on risk governance in the European Research Area, with a focus on the cross-thematic themes. The coordinators of other risk-related projects will be invited, as well as relevant Commissions services.

Funding scheme: Coordination and support action (Public Procurement). Please refer also to Table 3 on page 44 for more information on the public procurement procedure.

Indicative budget for Commission contribution: EUR 50 000

Expected impact: Support exchanges between projects funded by the SiS WP and contribute to make the projects results known and used by other Commission services and in relevant European activities / policies.

SUB-PART 5.2 Second action line: Strengthening potential, broadening horizons

Foremost among these areas in which suggested measures should be reinforced is the presently unacceptable state of the gender imbalance in European research and innovation systems. Given the difficulties of recruitment in many key fields, this represents not just a serious matter of social exclusion, but a severe waste of valuable human resources. The imperative to extend and enrich participation in the European research system also involves other marginalised and excluded demographic, ethnic and cultural groups. One crucial focus in this regard aims at developing better understandings of the reasons for apparently growing disenchantment among young people for certain areas of science and technology.

Activity 5.2.1 Gender and research

Indicative budget amount for calls for proposals: EUR 3.50 million, available for topics SiS-2008-2.1.1.1 Gender management in research organisations, SiS-2008-2.1.2.1. Influence of the perception of science on study choices, and SiS-2008-2.1.3.1. Gender and leadership in medicine

Objectives 2007-2013: The Seventh Framework Programme demands active promotion of the role of women in scientific research. The objective is to boost gender equality in research, through stimulating the participation of women in science and technological development; and fostering the integration of the gender dimension throughout European Research. This will be done both through gender mainstreaming the Framework Programme and through specific activities. The involvement of men in gender equality in science will be examined more closely with a view to better understanding their role and to encourage them to participate actively in promoting gender equality in science. Attention will be given to raising awareness within the scientific community, in the general public and among policy makers about gender and research. Benchmarking and monitoring will continue to underpin the whole range of actions undertaken.

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

SiS-2008-2.1.1.1. Gender management in research organisations

Description of topic: Activities such as targeted workshops, networking, forums, etc. will be funded to identify policies and implementation activities in research organisations on gender diversity management. The objective is to improve the situation of gender diversity in science, by inter alia improving transparency in recruitment, promotion, and nomination. This activity will help analyse the various strategies used for instance to implement the European Charter for Researchers and the Code of Conduct for their Recruitment, and other similar commitments taken by public research organisations.

The main actors to be involved are for instance policy makers, research funding agencies, academies and private sector HR departments, the research community in general.

Funding Scheme: Co-ordination and support action (supporting)

Expected impact: This activity should contribute to changing the attitudes of the targeted audiences with regard to gender diversity in research organisations, and foster change - in particular in terms of increasing the participation of women at the highest levels of research, as well as in the methods used for recruitment and retention of research personnel, both men and women. Methodologies to implement the above mentioned strategies should be proposed. The participation of high level actors is required in order to ensure lasting impact.

Area 5.2.1.2 Gender dimension of research

SiS-2008-2.1.2.1. Influence of the perception of science on study choices

Description of Topic: Does the perception of societal impacts of the scientific and technical curricula have an influence on men and women's attraction towards science? Some studies claim that women scientists are more interested in social or societal-oriented problem-solving, while men are more interested in the accrual of knowledge for its own sake or for economical growth. The objective is to check whether these gendered-based preferences exist and have consequences on the choice of study field made by males and females students. Proposals must collect and analyse literature and data from European higher education programmes to put into question or confirm this statement, and to measure the impact obtained by pilot projects implemented to increase the number of students in certain disciplines.

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

Expected impacts: This research should yield recommendations to policy-makers on the reorganisation of university curricula at European level (Bologna process), in order to address the gendered horizontal segregation existing between disciplines. Indicators on the relationship between perception and study choice should be provided and measured.

Area 5.2.1.3 Mainstreaming gender in Community research policy and programmes

SiS-2008-2.1.3.1. Gender and leadership in medicine

Description of topic: This topic should be seen in connection with the Cross thematic subject of health (topic SiS-2008-1.2.1.5 Governance in the production of health and medical knowledge). This topic will finance in-depth analysis and a final large-scale conference on the issue of gender and leadership in medicine. According to the "She Figures 2006" publication, on average across the EU, 51.1% of PhD graduates in health and welfare studies in 2003 were women but women made up only 15.6% of professors in medical sciences in 2004. Few schools, hospitals, or professional societies in the field of medicine have what might be considered a "critical mass" of women leaders, despite the growing pool of women from which to recruit academic leaders. Scientific and medical careers involve considerable personal and public investment, but the potential of many women is not used. Because academic medicine needs all the leadership talent it can develop to address accelerating institutional and societal needs, this wastage is of growing importance. Considering current societal and demographical changes, the long-term success of

academic medical research is thus inextricably linked to the development of women leaders. A working group or a forum composed of experts, policy makers and other stakeholders should be created to identify and discuss questions such as: *"How can departments/medical schools/hospitals emphasise/improve gender diversity in their leadership?"*, *"Which institutional practices tend to favour men over women's professional development, such as defining "academic success" as largely an independent act and rewarding unrestricted availability to work (i.e., neglect of personal life)?"*, *"Will this development imply any major change in the strategic choices, like resources allocation?"* or *"Which changes should be made?"*, etc . A final conference should be organised as part of the proposal to present conclusions and recommendations.

Funding scheme: Co-ordination and support action (supporting)

Expected impacts: The analysis and the forum or working group conference should contribute to identifying issues that need further research or in-depth studies. Recommendations should also be identified for stakeholders in the field.

SiS-2008-2.1.3.2. She Figures 2009

Description of Topic: The European Commission published comprehensive statistics on the participation of women in science in *"She Figures"* in 2003 and 2006. The next edition is planned for 2009 and should update the data previously collected, and add new information depending on the availability of data at European level.

Funding scheme: Coordination and support action (Public Procurement). Please refer also to Table 3 on page 44 for more information on the public procurement procedure.

Indicative budget for Commission contribution: EUR 300 000

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

Grant to a named beneficiary:

SiS-2008-2.1.3.3 European Platform of Women Scientists (EPWS)

Legal Entity: European Platform of Women Scientists (Brussels)

Created via a European-financed project, the EPWS aims at connecting the networks of women scientists in Europe, and at being the voice of women scientists in Europe and helping them voice their concerns in research policy-making.

Budget to be allocated: EUR 600 000

Objectives expected to be fulfilled: The aim of the financing is to provide support to the Platform to carry out actions such as the up-date and expansion of the electronic platform; promotion support and training actions; organisation of seminars for EPWS members on topics

such as management, access to funding, mentoring, or reconciling family and professional life; as well as projects for information and dissemination.

Evaluation criteria: As regards the criteria mentioned in Article 15 of the rules of Participation, the quality of actions/activities foreseen, the appropriateness of the use of funds and the quality of management will be more relevant.

Maximum rate of co-financing: the co-funding rate will be limited to up to 80% of the total eligible costs and up to EUR 600 000.

Activity 5.2.2 Young people and science

Indicative budget amount for calls for proposals: EUR 5.78 million, available for topics SiS-2008-2.2.1.1 Supporting and coordinating actions on innovative methods in science education and Topic SiS-2008-2.2.2.1. Identification of trends in scientific studies

Objectives 2007-2013: To contribute to the Lisbon agenda by increasing the number of young people from all backgrounds entering careers in science, research and technology; and, by raising the general level of scientific literacy to increase awareness of the societal impact of science (see for example the report "*Europe needs more scientists*", published by the European Commission in 2004).

Following the report by the expert group on science education published in June 2007: "*Science Education Now: a Renewed Pedagogy for the Future of Europe*"¹³ the Commission intends to implement a Science education scheme, which has two elements: a) the funding of science education projects through calls for proposals, and b) a central information platform to be established by public procurement. The objective of this science education scheme is to spread the use of more innovative science education methods on a larger scale in European primary and secondary schools. The generation of experience, knowledge and know-how will be supported through calls for proposals for research based actions involving practitioners, such as teachers and other key actors, including those at the local level.

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-2008-2.2.1.1. Supporting and coordinating actions on innovative methods in science education

Dissemination and use of inquiry based teaching methods on a large scale in Europe

Please note that this topic falls under the third call for proposals. Please refer to Call Fiche 3 for the specific dates of the launch and closure of the call for this topic.

Description of topic: Falling interest in key science topics and mathematics has been linked to the way they are taught from the earliest age (see for example the report "*Europe needs more scientists*", published by the European Commission in 2004). Therefore, greater emphasis needs to

¹³ <http://ec.europa.eu/research/science-society/index.cfm?fuseaction=public.topic&id=1100>

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.

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 must include teacher training activities. In addition, the consortia must be open to the participation of entities seeking to gain experience in problem based and inquiry based science education techniques.

Actions in this area must contribute towards the following: Securing basic knowledge in natural sciences and/or mathematics, developing a task culture, learning from mistakes, cumulative learning, autonomous learning, experiencing subject boundaries and interdisciplinary approaches, promoting girls and boys and promoting student cooperation. The actions aimed at here shall already have proven their efficiency and efficacy.

The aim is not only to promote the uptake of proven inquiry based methods at the local, regional and national level but also to encourage a better sharing of experience among practitioners across Europe. In consequence proposals must provide a convincing plan for the regular dissemination of progress and know-how to special interest groups (e.g. parents' associations, teachers' networks, curricula developers, and policy-makers). Furthermore, projects are expected to have the broadest coverage of EU Member States and Associated countries - in order to generate a European impact. Therefore, it is an eligibility criterion that proposals must include at least 10 independent legal entities, established in at least 10 different Member States or Associated countries. In addition to this during contract negotiation links will be established between funded projects and a European level information provider (see next section SiS-2008-2.2.1.2) to ensure the widest possible adaptation (eg linguistic) and 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.

The actions must include an element of independent evaluation to ensure maximum efficacy.

Funding Scheme: Co-ordination and support action (supporting). Please note: for the purposes of this topic, the minimum participation condition for the Support action (supporting) is at least 10 independent legal entities, established in at least 10 different Member States or Associated Countries. This is an eligibility criterion. See also Call Fiche 3.

Expected Impact: To bring about a change in the way that science is taught in schools through European collaborative activities; using techniques that have been successfully piloted, adapting and applying them on a European scale. The long-term impact looked for is a significant increase in the numbers of young people in Europe taking up careers in science & technology and a generally increased knowledge in science in the younger generation.

Indicative budget for Commission contribution: 4.78 Mio Euro

Topic SiS-2008-2.2.1.2. Coordinating activity for innovative methods in science education

Description of topic: A central information provider will be set up to handle the translation, adaptation and dissemination of key project outcomes in the support of science education in schools. It will provide a web-portal, support services and the possibility to organise conferences, and training workshops. This information provider will be separate from the generation of content but should include suitable expertise to effective communication and dissemination and provide a forum that brings together a broad range of key players. It will be expected to disseminate information in several Community languages.

The functioning of this central information provider will be evaluated after a period of 18 months, after which the contract will be renewed unless the results of the evaluation are negative. The contract will be offered on a two-yearly basis.

The envisaged format will be proposed in response to a call for tender, which will be published in the first semester of 2008.

Funding Scheme: Coordination and support action (Public Procurement). Please refer also to Table 3 on page 44 for more information on the public procurement procedure.

Indicative budget for Commission contribution: Maximum EUR 2 070 000 for the first 24 months.

Expected impact: To improve the exchange of knowledge and know-how at the European level between practitioners, the science education research community and policy makers, and to provide mechanisms (such as seminars, workshops and conferences) that bring together a broad range of key players.

Area 5.2.2.2 Reinforcing links between science education and science careers

SiS-2008-2.2.2.1 – Identification of trends in scientific studies

Description of topic: Actions under this topic aim at analysing, among upper secondary school pupils, whether they would have more interest in science if the scientific disciplines were enlarged. The scope is to study whether having problem-oriented fields of studies instead of more traditional disciplines would attract more young people in Science, Engineering and Technology. For instance, "forensic science" is more attractive than chemistry for young people, and it includes medicine and legal studies in addition to chemistry. Specific gender aspects must be taken into account. A limited literature analysis must be included but the bulk of the study should go beyond the state of the art.

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

Expected impact: The work supported should lead to the identification of trends of popular study subjects among young people, both boys and girls. The study should help understanding of the rationale behind study choices and the trends that can influence them the most. The longer-term goal would be to adapt curricula of universities to attract more young people in Science, Engineering and Technology, and to feed the results into the Bologna process.

Indicative budget for Commission contribution: 1 Mio Euro

Grant to a named beneficiary: Lindau Foundation

SiS-2008-2.2.3.3 Lindau Foundation for Nobel Prize-winners meetings

Legal Entity: Stiftung Lindauer Nobelpreisträgertreffen am Bodensee (Foundation Lindau Nobelprizewinners Meetings at Lake Constance)

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-2008) and the expenses of a separate networking event at the meeting. The Commission grant will also fund an interdisciplinary workshop.

Budget to be allocated: EUR 55 000

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.

Evaluation criteria: As regards the criteria mentioned in Article 15 of the rules of Participation, the quality of actions/activities foreseen, the appropriateness of the use of funds and the quality of management will be more relevant.

Maximum possible 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 55 000 EUR.

Policy Development

SiS-2008-2.1.1.1 Expert group on stock-taking of 10 years' activities on women in science

Ten years after the first Communication of the European Commission on "Women in science: Mobilising women to enrich European research" (99/76/EC), an expert group will be created to take stock of the progress made since then. Stakeholders involved in women in science issues will be gathered to analyse whether progress has been made and to define the way forward. The final results will be publicised through a conference to be held on 8 March 2009.

Funding scheme: Coordination and support actions (expert group)

Indicative budget for Commission contribution: EUR 300 000

Expected impact: To review past achievements and contribute to the development of a Commission recommendation on improving participation of women in the research workforce.

SUB-PART 5.3

Third action line: Science and society communicate

Objectives 2007-2013: Activities will contribute to addressing the ambiguous feelings expressed by citizens regarding knowledge of and the potential benefits from science and technology. They will also help fight the perceived isolation of the world of science from the everyday realities of Europeans by promoting effective two-way communication channels: providing a wider public with more scientific information and enabling the public to engage with scientists. A specific focus will be given to the role of the media in this regard, approached in their role as one voice of society's expectations, concerns and interests. A closer dialogue with them will be promoted, including the exchange of best practice between scientists and media professionals. In addition, some of the funded activities will be requested to provide the public with tools to express its views on science.

There is a significant need for more ambitious and innovative methods for the more effective communication of science itself. Among other benefits, this offers to help empower European citizens with more confident and sophisticated understandings of – and access to – the pressing scientific issues bearing on contemporary political choices. Where coverage of science tends to be sporadic, often over-simplified and unduly sensationalised, the role of the media is especially demanding of attention in this regard. There is no shortage of potential instruments for supporting this complementary channel in genuinely ‘two way’ science communication, building in particular on previous projects on participatory processes funded by this Programme¹⁴. Rather than simply making the case for existing commitments, media initiatives could instead be aimed at catalysing debate over alternative directions and implications of research. Perhaps building on recent experience in ‘foresight’ and ‘science shop’ exercises, the internet could be used in innovative ways to foster public interaction in setting future research priorities and agendas.

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

No actions foreseen in 2008.

Area 5.3.0.2 Training actions to bridge the gap between the media and the scientific community

Indicative budget amount for calls for proposals: EUR 1.00 million, available for topics SiS-2008-3.0.2.1 Support for training activities for high-level EC-funded scientists and SiS-2008-3.0.2.2 Support training activities of journalists and authors in the EU Member States and the Associated countries in EC-funded research laboratories

¹⁴ For instance DECIDE , DOTIK, MESSENGER, STARC and MEETING of MINDS (website references to be added)

Objectives:

- 1 – Improve the common understanding between journalists and scientists, for a better quality of dialogue between both communities.
- 2 - Prepare our best European scientists to present their work to international media in a convincing, clear and accessible way.

SiS-2008-3.0.2.1 Support for training activities for high-level EC-funded scientists. The training should improve their abilities to interact with national and international media, especially audiovisual ones (how to present their work on TV and radio especially). It should also include training to use new media with the objective to establish a better dialogue with society (interactive websites, blogs, mobile phones information systems, etc).

The proposers should be recognized media professionals with an excellent experience in high level media training. The Commission will assist the selected proposals by providing a list of high-level EC-funded scientists which must be used as a basis for this training action. This list may be amended only with the approval of the Commission. The proposal must adopt a transnational approach, including media training in several EU languages, and ensure that the project will be implemented in different Member States and/or Associated Countries (that is, demonstrating the ability to train scientists from different countries). These factors will be reflected in the evaluation.

"EC-funded scientist": means a scientist currently involved (at the time of training) in a research project financed by the European Commission (Research Framework Programme).

Funding Scheme: Co-ordination and support action (supporting)

Expected Impact: This activity should allow the best EU and associated country scientists to get used to presenting their research work in a clear way to the national and international mass media and to the broadest possible public. It should also help them to establish a two-way communication process on their research.

SiS-2008-3.0.2.2 Support training activities of journalists and authors in the EU Member States and the Associated countries in EC-funded research laboratories. The training should mainly target final year students in journalism but can include also professional working journalists and professional authors (e.g. fiction, screenplays). The journalists and authors are not obliged to have a scientific background in order to participate. The participation of non-science journalists is welcome. The objective of the training is to allow future journalists in the EU and associated countries and current press professionals and authors to spend on average one week in EC- funded laboratories to understand better the work of European research teams and learn more about European research.

The proposal must establish partnerships between EU journalism schools/ organisations and EU-funded laboratories. The proposal must adopt a transnational approach, and ensure that the project will be implemented in different Member States and/or Associated Countries (that is, demonstrating the ability to train journalists in EC-funded laboratories in countries other than their home country). These factors will be reflected in the evaluation.

"EC-funded research laboratories": means a laboratory currently involved (at the time of training) in a research project financed by the European Commission (Research Framework Programme). A

'laboratory' can be any partner doing research in a research project consortium, such as a university department, industry, SME etc.

Funding Scheme: Co-ordination and support actions (supporting)

Expected Impact: The trained journalists and authors will have a better understanding of what European cooperation in research means and what scientists' everyday work entails. By opening the training to people who have not a scientific background, it is also expected to encourage non science media sections to include the European research and innovation dimension in their stories.

Area 5.3.0.3 - Encouraging a European dimension at science events targeting the public

Indicative budget amount for calls for proposals: EUR 3.18 million, available for the topic SiS-2008-3.0.3.1. Encouraging co-operation and networking between scientific events organisers on public engagement with science.

SiS-2008-3.0.3.1. Encouraging co-operation and networking between scientific events organisers on public engagement with science

Description of topic: Science museums, science centres, libraries and organizers of science events in Europe have been developing valuable know-how in communicating science to the public, and in particular to the young people through interactive exhibitions or events which address the interests and concerns of citizens. More synergies are needed, between these key actors to develop ambitious projects at the European level. Activities supported under this topic should focus on the association of science concepts with citizens' debates and participative democracy tools. The Commission invites the science museums and science centres to choose topics of particular interest to European citizens (e.g. energy provision and consumption, environment and public health protection, nanotechnology development, etc) and to engage in particular in two-way communication with citizens and civil society organisations in the framework of the project. Inclusion in the proposal of actions focusing on the interface between education and entertainment, and which link national science events and science musea/centres will be considered positively in the evaluation.

Funding Scheme: Co-ordination and support actions (co-ordinating) and Co-ordination and support actions (supporting).

Expected impact: This activity aims at rationalising and coordinating the main scientific events and exhibitions organised at National and local level, at maximising their impact among the public at European level; at permitting the public to express its views and questions on the specific topics dealt with; at developing or linking with entertainment events for young people that can include science learning aspects; at contributing to greater visibility of European research by bringing together experiences and tools of science centres/musea/ events' organisers. The broadest coverage of EU Member States and Associated countries is expected, in order to generate a European impact.

Grant to a named beneficiary: La Fundació Catalana per a la Recerca i la innovació (FCRI)

SiS-2008-3.0.3.2 Euroscience Open Forum

Legal Entity: Fundació Catalana per a la Recerca i la innovació (FCRI), Barcelona (Catalan Foundation for Research and Innovation)

The European Commission supports the Euroscience Open Forum (ESOF) 2008, an international meeting between science and society organised by the Catalan Foundation for Research and Innovation (FCRI). Europe cannot grow without research, researchers need support from society and citizens deserve to understand and discuss innovation and the latest scientific results. At ESOF 2008 these communities will meet and share their opinions.

Budget to be allocated: EUR 300 000. The organizers of the conference agree on the principle of the Commission covering the "Scientific Programme". The expected overall cost for the "scientific programme" is about EUR 500 000. The Commission will finance up to EUR 300 000 of this.

Objectives expected to be fulfilled: organisation of ESOF 2008 – Euroscience Open Forum, to be held in Barcelona, July 18-22 2008. In particular the Commission will support the organisation of the "Scientific Programme", i.e. high quality scientific sessions on 10 different themes. The Scientific Programme is expected to encourage analysis and debate on how science, technology and the humanities impact societies and their economies.

Evaluation criteria: As regards the criteria mentioned in Article 15 of the rules of Participation, the quality of actions/activities foreseen, the appropriateness of the use of funds and the quality of management will be more relevant.

Maximum rate of co-financing: The Commission shall finance 60% of the total eligible costs for the scientific programme, up to EUR 300 000. Total eligible costs are estimated at EUR 500 000.

Area 5.3.0.4 Promoting science by audio-visual means via European co-productions and the circulation of science programmes

SiS-2008-3.0.4 Grant to a named beneficiary: European Broadcasting Union

Legal Entity: European Broadcasting Union, Grand-Saconnex GE, Switzerland

Budget to be allocated: Proposed contribution from the EC: EUR 1 000 000

Objectives expected to be fulfilled:

Launch of a package of innovative audiovisual programmes on European research, illustrating the transnational nature of research in Europe, and featuring European scientists and research teams. These programmes, which are to be co-produced with the EBU, in partnerships with EU Public and independent televisions and independent European science producers, will be need to be innovative in format and approach, in order to ensure wide distribution and viewership. They will address in particular, but not exclusively, younger audiences interested in science. They may include science documentaries, but also other innovative types of programmes to reach new and broader audiences (such as TV "formats", magazines, clips, TV fictions, docu-dramas, etc) and

make maximum use of new and emerging technologies (web TV, videopodacsting, etc). Development costs of innovative formats will be eligible, as well as production and distribution costs. They will imperatively need to be distributed widely across Europe, and include guarantees of broadcasting across several linguistic markets.

Evaluation criteria: As regards the criteria mentioned in Article 15 of the rules of Participation, the quality of actions/activities foreseen, the appropriateness of the use of funds and the quality of management will be more relevant. Additional criteria, specific to television production, such as innovativeness, involvement of a substantial number of TV channels across several linguistic areas, and potential for cross border and cross media distribution will be taken into account.

Maximum possible rate of co financing: The Commission shall finance up to 35% of the total eligible costs, up to 1 000 000.

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

The call for proposals originally scheduled for March 18, 2008 in accordance with the previous version of this work programme is now cancelled.

SiS-2008-3.0.5.1 Grant to a named beneficiary: European Union Contest for Young Scientists (EUCYS) 2008

Legal Entity: Unge Forskere, Klintevej 35, DK-7500 Holstebro, Denmark

Budget to be allocated: EUR 600 000

Objectives expected to be fulfilled: The European Union Contest for Young Scientists brings together winners of pre-university school science projects from across Europe to compete for prizes and awards. The Contest is based on national competitions and takes place each year in a different location. It will be implemented in 2008 through a direct grant to the Danish Unge-Forskere Secretariat. The 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 organisation and similar bodies donate many of the non-cash prizes.

Evaluation criteria: As regards the criteria mentioned in Article 15 of the rules of Participation, the quality of actions/activities foreseen, the appropriateness of the use of funds and the quality of management will be more relevant.

Maximum possible rate of co financing: The Commission shall finance 75 % of the total eligible costs, up to EUR 600 000.

Area 5.3.0.6 - Research aimed at enhancing inter-communication concerning science, both in its methods and its products, to raise mutual understanding between the scientific world, and the wider audience of policy-makers, the media and the general public.

Actions underway in 2007

SUB-PART 5.4

Fourth action line: Strategic activities

Indicative budget amount for calls for proposals: EUR 0.80 million, available for topic SiS-2008-4.0.2.3: Social Impact Assessment of Research.

Area 5.4.0.1 Transnational cooperation among National Contact Points (NCPs) for Science in Society

No actions in 2008 – ongoing from 2007.

Area 5.4.0.2 Structuring activities:

SiS-2008-4.0.2.1: Monitoring Activities on Science in Society (MASIS) project¹⁵ : As part of the implementation of the European Research Area, the objective is to prepare – in cooperation with the Member States and the Associated countries - a system to monitor the developments in the field of "Science in Society" activities in Europe at national and European levels in order (1) to inform relevant policy-makers and all other stakeholders, (2) to increase the visibility of such activities in different parts of the Union and (3) to increase their impact in European policy and society. The project will include a bi-annual conference (which could be held in Brussels or be part of the events of the Union Presidency), the publication of an annual report on the main trends in SiS activities in Europe, and the maintenance of an on-line system to be linked to the EC SiS portal.

Funding Scheme: Coordination and support action (Public Procurement) (EUR 850 000) Please refer also to Table 3 on page 44 for more information on the public procurement procedure, and Expert Group (EUR 150 000)

Indicative budget for Commission contribution: EUR 1 000 000

SiS-2008-4.0.2.2- EPS2I (European Platform for Science in Society initiatives): an informal network of Science in Society programmes and activities pursued at national and regional levels will be set up, with a view, at a later stage, to preparing ERAnet projects. The objective is to start organizing and sharing at European level accumulated information and knowledge about good practices in national and regional policies in the fields covered by the programme and beyond. Codification of this knowledge in the form of manuals, reports, lists of experts, working papers, etc. available on a dedicated and interactive website may help those policy makers and research organisations that are newcomers in the field. Mutual-learning workshops will be organized in order to share information and knowledge, especially between more advanced players and newcomers. The Platform will co-evolve with the MASIS project quoted above (SiS-2008-4.0.2.1)

¹⁵ This would be an equivalent of the METRIS activity proposed for the Socio-economic sciences and Humanities priority in the 'Cooperation' programme

and will draw on the information it will provide.

Funding Scheme: Coordination and support action (Public Procurement). Please refer also to Table 3 on page 44 for more information on the public procurement procedure.

Indicative budget for Commission contribution: EUR 850 000

Expected impacts: This activity should help policy makers in the "Science in Society" field at national and regional levels to access relevant information and expertise elsewhere in Europe and to discuss their approach in a mutual learning environment. The dedicated Website which will be set up early in the life of the project might include "help desk" features supporting newcomers' initiatives. Mutual learning workshops will support knowledge transfer, reflexive feed back on policy experiments and the identification of further needs for policy developments

SiS-2008-4.0.2.3: Social Impact Assessment of Research: Mechanisms for comparison and mutual learning across Member States and research fields on the evaluation of research projects and funding instruments with regard to their social impacts need to be further developed and systematised in the context of a new emphasis on impact assessment processes in various policy fields including research policy. Capitalising on previous research in this field the objective is to initiate an exploratory study of the social impact of research funded at EU and at national levels (impacts on well being, welfare, quality of life, social capital, etc) by defining a number of groups of projects (funded by EC or national programmes in similar fields) for which a new methodology will be tested/applied. The study should take into account the relations between the type of research ("frontier", "basic", "applied", technology development, policy research, etc), the research domain concerned, the mode of undertaking research (e.g. openness to partnership with societal actors) and its social impacts.

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

Indicative budget for Commission contribution: EUR 800 000 (Please note that this indicative budget is below the maximum threshold for "*Collaborative research projects (small or medium-scale focused research projects)*" which is EUR 1 000 000.

Expected impacts: This study will contribute to the development of impact assessment methods by improving the understanding of the social impacts of research, alongside its economic and environmental impacts. It may in particular help to strengthen the impact assessment of EC research programmes at critical moments of the policy cycle while comparing its results with similar ones in national settings.

Grant to a named Beneficiary

SiS-2008-4.0.2.4: Events promoting Science in Society during the French Presidency –
second semester 2008

Legal Entity: Le Centre national de la recherche scientifique, Campus Gérard Mégie, 3 rue Michel-Ange 75794 Paris

Indicative budget for Commission contribution: EUR 180 000

Objectives expected to be fulfilled: The French presidency will support three linked events highlighting key Science in Society issues at stake and targeting young people as well as policy makers and the general public. All of the events will take place under the high patronage of Valérie Pécresse, the Minister of Higher Education and Research.

These three linked events will be:

- Ø The organization of a "European City of Science" which will take place in the Grand Palais: innovative exhibitions will be presented to a large public (in particular young people and their families).
- Ø Young people from all over Europe, notably young women, will be invited to express their views and feeling on the attractiveness of science to them. On the occasion of this event, the results of a qualitative survey on science attractiveness will be made public;
- Ø A two-day European conference on scientific responsibility in November 2008 will investigate the diversity of the representations of the sciences in Europe, whether faith in science is identical throughout Europe and what is the European way of producing knowledge - if it is the case;

The grant will also be used to support the organisation of the third event, the conference on scientific responsibility, which will address some of the issues mentioned in the framework of the first two events, from a theoretical and scientific perspective and from the best practices point of view.

Evaluation criteria: As regards the criteria mentioned in Article 15 of the rules of Participation, the quality of actions/activities foreseen, the appropriateness of the use of funds and the quality of management will be more relevant.

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

Area 5.4.0.3 Operation of the European Research Area Board (ERAB)

The Work Programme will support the work of the European Research Area Board (ERAB), established by Commission Decision on 7 December 2007¹⁶ 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.

SiS-2008-4.0.3.1 Expert Assistance to the European Research Area Board

¹⁶ Commission Decision C/2007/6165

According to Article 5(3) of the Commission Decision establishing ERAB, the Commission may ask experts or observers with specific competence on a subject on the agenda to participate in the work of the Board". This topic will finance the reimbursement of travel costs and daily allowances of experts to participate in the work of the Board, or, if necessary, to act as rapporteurs for the ERAB and any sub-groups that may be established.

Funding Scheme: Co-ordination and support action (Public Procurement)

Indicative budget for Commission contribution: EUR 50 000

Topic	Indicative Budget (million €)
SiS-2008-1.2.2.2 Conference with UNESCO on capacity building on ethics in developing countries	0.15
SiS-2008-1.2.2.2 Conference with Council of Europe	0.15
SiS-2008-2.1.3.3 European Platform of Women Scientists	0.60
SiS-2008-2.2.3.3 Lindau Foundation	0.06
Sis-2008-3.0.3.2 FCRI – Euroscience Open Forum	0.30
SiS-2008-3.0.4 European Broadcasting Union	1.00
SiS-2008-3.0.5.1 Young scientist competition	0.60
SiS-2008-4.0.2.4 Events during French Presidency on Science in Society	0.18
SUBTOTAL	3,04

Topic	Indicative budget (million €) Commission contribution	Indicative Timing
SiS-2008-1.1.1.3 Expert group global governance of science	0.15	1 st semester
SiS-2008-1.4.1 University-based Research expert group	0.23	1 st semester
SiS-2008-2.1.1.1 Expert Group on stock-taking of 10 years activities on women in science	0.30	1 st semester
SiS-2008-4.0.1-Monitoring Activities on Science in Society (MASIS)	0.15	1 st semester
SUBTOTAL	0.83	

The following actions will be funded through public procurement:

Area and Topic	Indicative budget Commission contribution (million €)	Indicative Timing	No of contracts	Procedure and type of contract foreseen
SiS-2008-1.1.1.1 Seminar Parliamentary Offices	0.05	1 st semester 2008	Up to 4	Call for tender for service contract
SiS-2008-1.1.1.4 Scientific support to group Animals for experimental and other scientific purposes	0.20	2 nd semester 2008	4 to 10	Call for tender for service contract
SiS-2008-1.2.1.1 Training package on open governance of research	0.10	1 st semester 2008	1	Call for tender (open procedure) (for service contract)
SiS-2008-1.2.1.4 Gover'Science civil society organisations in research	0.05	1 st semester 2008	Up to 4	Call for tender for service contract
SiS-2008-1.2.1.5 Energy and environment review	0.05	1 st semester 2008	Up to 4	Call for tender for service contract

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SiS-2008-1.3.3.2 Further development of SINAPSE	0.75	1st semester	1	Specific contract based on a framework contract under Articles 88 FI and 117 IR (service contract)
SiS-2008-1.3.3.3 Gover'Science on Inclusive Risk Governance	0.05	2 nd semester 2008	Up to 4	Call for tender for service contract
SiS-2008-1.4.2 Development of a European Data Collection Network on research-active universities	1.25	1 st semester 2008	1	Call for tender (open procedure) for service contract
SiS-2008-2.1.3.2 She Figures 2009	0.30	Sept 2007	1	Call for tender (open procedure) for service contract
SIS-2008-2.2.1.2 Innovative methods in science education ¹⁷	2.07	1 st semester 2008	1	Call for tender (open procedure) for service contract
SiS-2008-4.0.2.1-Monitoring Activities on Science in Society (MASIS)	0.85	1st Semester	1	Call for tender (open procedure) for service contract
SiS-2008-4.0.2.2 EPS21 European Platform Science in Society Initiatives	0.85	1st Semester	1	Call for tender (open procedure) for service contract
SiS-2008-4.0.3.1 Expert Assistance to the (ERAB)	0.05	2nd Semester	up to 5	Call for tender for service contract
SUBTOTAL	6.62			

Indicative overall budget for the Science in Society 2008 Work Programme

	2008 Million EUR
Calls (FP7 Science in Society–2008–1 & FP7 Science in Society–2008–3)	29.92
Expert evaluators	0.58
Other activities (incl. public procurement, expert groups, grants to named beneficiaries)	10.49
Estimated total budget allocation	40.99

¹⁷ Any money remaining unspent from the topic SiS-2008-2.2.1.2 (for example where no appropriate structure is likely to arise from the call for tender) will be re-attributed automatically to Topic SiS-2008-2.2.1.1.

III. IMPLEMENTATION OF CALLS

CALL FICHE 1

- Call identifier: FP7-SCIENCE-IN-SOCIETY-2008-1
- Date of publication: Friday 30 November 2007
- Deadline: Tuesday 18 March 2008 at 17.00.00, Brussels local time.
- Indicative budget¹⁸: EUR 25.08 million from 2008 budget
- Topics called:

ACTIVITY / AREA	TOPICS CALLED	Funding Schemes	Indicative budget for Commission contribution (€million)	
ACTION LINE 1				
ACTIVITY 5.1.1 Better understanding of the place of science and technology (S & T) in society				6.20
Area 5.1.1.2 Research on ethics in science and technology				
5.1.1.2	SiS-2008-1.1.2.1 Ethics and new and emerging fields of science and technology	Collaborative Projects (Small or medium-scale Scale)		Topic quota: at least 3 proposals
Area 5.1.1.5 Public understanding of science and promotion of public debate				
5.1.1.5	SiS-2008-1.1.5.1 Exchanges and cooperation of local actors on scientific culture	CSA (Coordinating) and CSA (Supporting)		Topic quota: at least 4 proposals
ACTIVITY 5.1.2 Developing governance to anticipate and clarify political, societal and ethical issues				4.65
Area 5.1.2.1. Broader engagement on science-related questions				
5.1.2.1	SiS-2008-1.2.1.3 Governance in the production of health and medical knowledge	Collaborative research Projects (small or medium-scale focused projects), Research for the benefit of specific groups (BSG-CSO), CSA (Supporting)		Topic quota: at least 3 proposals, of which at least 1 using BSG-CSO
Area 5.1.2.2. Conditions for an informed debate on ethics and science				
5.1.2.2.	SiS-2008-1.2.2.1 Promotion of pan-European and international awareness of the ethical aspects of security technologies.	CSA Supporting, CSA (Coordinating)		Topic quota: at least 3 proposals
ACTIVITY 5.1.3 Strengthening and improving the European science system				4.80

¹⁸ The final budget awarded to this call, following the evaluation of projects, may vary by up to 10% of the total value of the call. All budgetary figures given in this call are also indicative. The repartition of the sub-budgets awarded within this call, following the evaluation of projects, may vary by up to 10% of the total value of the call.

Area 5.1.3.1 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				
5.1.3.1.	SiS-2008-1.3.1.1 Coordination and support actions on the scientific publishing system in connection with research excellence and dissemination and sharing of knowledge	CSA (Coordinating) and CSA (Supporting)		Topic quota: at least 3 proposals
Area 5.1.3.2. Promoting trust and self-regulation in the scientific community				
5.1.3.2.	SiS-2008-1.3.2.1 Supporting trans-national exchange of experience between Research Integrity Structures	CSA (Coordinating)		Topic quota: expected to be 1 proposal
Area 5.1.3.3 Improving the use, and monitoring the impact, of scientific advice and expertise for policy-making in Europe (including risk management), and developing practical tools and schemes (e.g. electronic networks)				
5.1.3.3.	SiS-2008-1.3.3.1 Transnational networking between advisory structures	CSA (Coordinating)		Topic quota: at least 2 proposals
Second Action Line – Strengthening potential, broadening horizons				
ACTIVITY 5.2.1 Gender and research				3.50
Area 5.2.1.1 Strengthening the role of women in scientific research and scientific decision-making bodies				
5.2.1.1	SiS-2008-2.1.1.1 Gender management in research organisations	CSA (Supporting)		Topic quota: at least 2 proposals
Area 5.2.1.2 Gender dimension of research				
5.2.1.2	SiS-2008-2.1.2.1 Influence of the perception of science on study choice	Collaborative Projects (Small or medium scale)		Topic quota: at least 2 proposals
Area 5.2.1.3 Mainstreaming gender in Community research policy and programmes				
5.2.1.1	SiS-2008-2.1.3.1 Gender and leadership in medicine	CSA (Supporting)		Topic quota: at least 1 proposal
ACTIVITY 5.2.2 Young People and Science¹⁹				1.00
Area 5.2.2.2 Reinforcing links between science education and science careers				
5.2.2.2.	SiS-2008-2.2.2.1 Identification of trends in scientific studies	Collaborative Projects (Small or medium scale)		Topic quota: at least 1 proposal

¹⁹ Any money remaining unspent from the topic SiS-2008-2.2.1.2 (for example where no appropriate structure is likely to arise from the call for tender) will be re-attributed automatically to Topic SiS-2008-2.2.1.1.

Third Action Line: Science and society communicate				
Activity/Area 5.3.0.2 Training actions to bridge the gap between the media and the scientific community targeting the public				1.00
5.3.0.2.	SiS-2008-3.0.2.1 Support for training activities of high-level EC-funded scientists	CSA (Supporting)		Topic quota: at least 2 proposals
5.3.0.2	SiS-2008-3.0.2.2 Support training activities of journalists and authors in the EU Member States and the associated countries in EC-funded research laboratories	CSA (Supporting)		Topic quota: at least 2 proposals
Activity/Area 5.3.0.3 Encouraging a European dimension at science events targeting the public				3.18
5.3.0.3.	SiS-2008-3.0.3.1 Encouraging cooperation and networking between scientific events organisers on public engagement with science.	CSA (Coordinating) and CSA (Supporting)		Topic quota: at least 4 proposals
Fourth Action Line: Strategic Activities				0.80²⁰
5.4.0.2	SiS-2008-4.0.2.3: Social Impact Assessment of Research	Collaborative Projects* (Small or medium scale)		Topic quota: expected to be 1 proposal
TOTAL			25.14	

Please note that Consortium agreements are only necessary for collaborative projects and research for CSO projects

All applicants are advised to read the Guides for Applicants in tandem with this call fiche.

Evaluation procedure:

- A one-stage submission procedure will be followed
 - Proposals may be evaluated remotely
 - The evaluation criteria and sub-criteria (including weights and thresholds), together with the eligibility, selection and award criteria, for the different funding schemes are set out in Annex 2 to this work programme.
- Proposals will not be evaluated anonymously.

Selection of proposals

1. A separate ranking list will be established for each of the eight indicative budgets per activity as indicated in the table above. At least one proposal per topic will be selected provided

²⁰ Please note the indicative amount available for topic 4.0.2.3, which is less than the maximum EC contribution for collaborative projects of EUR 1 000 000

that at least one proposal submitted under that topic scores above the threshold.

2. The 'topic quotas' in the table above indicate the minimum number of proposals that will be retained for each topic under each ranking list (provided that this number of proposals obtains an evaluation score above the threshold and that sufficient budget for the activity is available). In the case, for example, where the topic quota is two proposals and four score above the threshold, then the first two are selected, and the other two 'extra' remain on the ranking list for the budget by activity, along with the other 'extra' proposals (i.e. those proposals still above threshold after the minimum topic quota has been fulfilled). Once the topic quotas are filled, these 'extra' proposals will be considered if money remains in the budget for the ranking list. The reserve list for each ranking list per budget will be drawn up according to the same criteria.

3. If money is left over after the selection of proposals for financing from the ranking lists per activity, proposals will be selected on the basis of the following criteria: priority is given first of all to proposals under topics where the 'at least' quota has not been fulfilled. Next, priority is given to proposals on the basis of score. Where there is more than one proposal with the same score, priority is given to the proposal which comes from the topic which has received the higher number of proposals evaluated above the threshold.

Any money remaining unspent from the topic SiS-2008-2.2.1.2 (for example where no appropriate structure is likely to arise from the call for tender) will be re-attributed automatically to Topic SiS-2008-2.2.1.1.

Indicative evaluation and contractual timetable

Evaluations are expected to be carried out during the month of May 2008. It is expected that the grant agreement negotiations for the shortlisted proposals will be open in July 2008.

Particular requirements for participation, evaluation and implementation

The minimum number of participating legal entities required, for all funding schemes, is set out in the Rules for Participation²¹. A summary of the minimum participation requirements for the instruments 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 project	At least 3 independent legal entities, each of which is established in a MS or AC, and no two of which are established in the same MS or AC.
Co-ordination and support action (co-ordinating)	At least 3 independent legal entities, each of which is established in a MS or AC, and no two of which are established in the same MS or AC.
Co-ordination and support action (supporting)	At least 1 independent legal entity (see additional criterion, below)
Research for the Benefit of Specific Groups – Civil Society Organisations (BSG-CSO)	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. The minimum 3 legal entities must include at least 1 civil society organisation (see definition in the Work Programme) and at least 1 research organisation.

²¹ MS = Member States of the EU; AC = Associated country. Where the minimum conditions for an indirect action are satisfied by a number of legal entities, which together form one legal entity, the latter may be the sole participant, provided that it is established in a Member State or Associated country

Please note: for the purposes of this Call for Proposals, the minimum participation condition for a Co-ordination and support action (supporting) is 'at least one independent legal entity which is established in a Member State or in an Associated Country'. This is also an eligibility criterion.

The following participation criteria are also criteria for eligibility of proposals under the specific topics indicated:

- For topic *SiS-2008-1.2.2.1, Promotion of pan-European and international awareness of the ethical aspects of Security technologies*, the following rules apply for Co-ordination and support actions (co-ordinating): the proposal must include a transnational European (EU or Associated States) dimension and an international dimension (particularly but not limited to Asia and North America).

Under this 2008 Science in Society Work Programme, "*Collaborative research projects (small or medium-scale focused research projects)*" are **those which request a maximum EC contribution of €1.000.000. This financial limit constitutes an eligibility criterion and proposals for "*Collaborative research projects (small or medium-scale focused research projects)*" outside the limit will be excluded from the evaluation process. Please note the indicative amount available for topic 4.0.2.3 (Social Impact Assessment of Research) of EUR 800 000, which is less than the maximum EC contribution for collaborative projects of EUR 1 000 000.**

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

CALL FICHE 2

- Call identifier: FP7-SCIENCE-IN-SOCIETY-2008- 2
- Date of publication: Tuesday 18 March 2008

Please note that the call for proposals Science in Society-2008-2 has been cancelled.

CALL FICHE 3

- Call identifier: FP7-SCIENCE-IN-SOCIETY-2008-3
- Date of publication: Monday 21 April 2008
- Deadline: Thursday 24 July 2008 at 17.00.00, Brussels local time.
- Indicative budget²²: EUR 4.78 million from 2008 budget
- Topics called:

ACTIVITY / AREA	TOPICS CALLED	Funding Schemes	Indicative budget for Commission contribution (€million)	
ACTION LINE 2				
ACTIVITY 5.2.2 Young People and Science			4.78	
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				
5.2.2.1	SIS-2008-2.2.1.1 Innovative methods in science education	CSA (Supporting)		

Please note that Consortium agreements are only necessary for collaborative research projects and research for CSO projects

All applicants are advised to read the Guides for Applicants in tandem with this call fiche.

Evaluation procedure:

- A one-stage submission procedure will be followed
- Proposals may be evaluated remotely

²² The final budget awarded to this call, following the evaluation of projects, may vary by up to 10% of the total value of the call. All budgetary figures given in this call are also indicative. The repartition of the sub-budgets awarded within this call, following the evaluation of projects, may vary by up to 10% of the total value of the call.

- The evaluation criteria and sub-criteria (including weights and thresholds), together with the eligibility, selection and award criteria, for the different funding schemes are set out in Annex 2 to this work programme.

Proposals will not be evaluated anonymously.

Indicative evaluation and contractual timetable

Evaluations are expected to be carried out during the month of September 2008. It is expected that the grant agreement negotiations for the shortlisted proposals will be open in November 2008.

Particular requirements for participation, evaluation and implementation

For this call, the minimum number of participating legal entities required, for the funding scheme Coordination and Support Action (Supporting) is as follows: at least 10 independent legal entities, established in at least 10 different Member States or Associated Countries.

These participation criteria are also criteria for the eligibility of the proposal.

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

IV Future Directions of the Science in Society Work Programme

Information on activities and areas that may be included in future work programmes:

- Activities will continue under all three Action Lines of the Work Programme, as well as certain strategic actions.
- Under Action Line 1, it is intended that activities will continue under the themes Strengthening and improving the European science system; Broader engagement to anticipate and clarify political, societal and ethical issues; Better understanding of the place of Science and Technology in society, and the evolving role of universities.
- It is intended to continue activities under Action Line 2 on Gender and research, and on young people and science. Actions under the third Action Line, Science and Society Communicate, will aim at promoting effective two-way communication between scientists and wider society.

There will be further development of cross thematic activities, both as regards existing themes launched in the 2007 and 2008 Work Programmes, as well as new topics (such as, for example, *biotechnologies, agriculture and food (knowledge-based Bio-society)*).

- Under Action Line 2, continued actions to strengthen the role of women in scientific research and scientific decision-making bodies
- Further information on future work programmes and calls will be made available on the following webpage: <http://cordis.europa.eu/fp7/dc/index.cfm>.