

WORK PROGRAMME 2009

CAPACITIES

PART 5

SCIENCE IN SOCIETY

(European Commission C(2008)4566 of 26 August 2008)

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I. CONTEXT

Objective

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

Approach for 2009

Action to promote Science in Society has passed from an experimental phase in the period 2002 to 2008 to a more mature phase 2009 to 2013 under the current Framework Programme, with fewer, more structured actions with stronger impact in the framework of the European Research Area (ERA). Building on the *acquis* and the most promising actions identified in the Mid-term Assessment of Science in Society Activities (2002-2006) and input from the Advisory Group on Science in Society, the work programme ensures 'capitalisation', continuity and development. Actions aim for a reinforced European added value, and to mobilise the most effective actors on science in society issues.

The focus in 2009 will be on the following issues:

- Public engagement in science and research, mobilising research organisations as well as citizens at local level: see topics 1.2.1.1 - *Public Engagement in Research* and 3.0.3.1 - *Platform of Networks grouping Science Museums*.
- More focused work on ethics, addressing the Nano code of conduct, strengthening the ERA Ethics infrastructure base: see topics 1.1.2.2 - *Networking and Capacity building activities to support ethics committees*; 1.3.1.1 - *Governance and ethics of the responsible development of nanosciences*, and 1.1.2.1 - *Privacy and emerging fields of science and technology*
- Deepening and consolidating the work undertaken on university-based research: see Activity 5.1.4 on the *Evolving role of Universities*
- Mobilising research bodies and networks of cultural institutions on the issue of women in science: see topics 2.1.1.1 - *Involving Research bodies in the debate on gender and research* and 2.1.2.1 - *Mobilising science centres and museums on women and science*.
- Capitalising on the findings of the Rocard report on science education by launching structured actions: see topics 2.2.3.1 - *Innovative methods in science education*, and 2.2.3.2 *International dimension of research on science education*.

In 2009, while support will continue on developing research and knowledge in science and society fields, the main thrust of the work programme will be to invest more money 'downstream' to improve the impact of actions. This will mean greater involvement of key actors in the public engagement in science from the research community, those acting as mediators between science and society (media, schools, journalists, museums) and civil society representatives. Mobilising these actors beyond the research community implies more structured actions and ensuring 'critical mass' both in the scale of projects and the reach of the actors involved. The work programme emphasises international cooperation, with all topics

open to the participation of ICPC countries. With the aim of further improving on the content and presentation of previous work programmes, the 2009 edition is more focused, with fewer and bigger actions, in order to attain a critical mass in key fields, with a greater impact of the available budget.

International Cooperation

All topics in the work programme are open to international cooperation. There is provision for the participation of research partners from the International Cooperation Partner Countries (ICPC) from the FP7 budget. A list of the ICPC countries is given in Annex 1. Topic 2.2.3.2, on the International dimension of research on science education, is implemented via the Specific International Cooperation Action (SICA) funding scheme. In addition to the SICA topic identified above, one other topic (SiS-2009-1.3.2.1 Governance and Ethics of the responsible development of Nanosciences and Nanotechnologies) has been highlighted as an area which is well suited for international cooperation. For this topic, the active participation of a relevant third country partner or partners would be welcome if likely to increase the expected impact of the project. These aspects will be considered specifically during the evaluation.

Cross-Thematic Approaches

The principles inherent in this work programme will also be taken up, in different ways, in other parts of the 7th Framework Programme and in particular in the themes of the Specific Programme 'Co-operation'. Measures will be taken to promote, support and monitor this process, and a degree of co-ordination will be assured. Where appropriate, cross-thematic activities will be established which will focus on actions and measures of mutual benefit, highlight synergies, and help bridge the gap between topical areas in science and technology and society's interests. Within the Science in Society work programme, topic SiS-2009-1.3.1.1, Governance and Ethics of the responsible development of Nanosciences and Nanotechnologies, has a cross-cutting / cross-thematic relevance.

Dissemination Actions

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

Modalities of Implementation - Funding Schemes

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

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

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

- Adequate project management
- Management of the knowledge produced (protection, exploitation, dissemination)

Under this 2009 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 that this maximum amount of the requested Community grant is a criteria for the eligibility of proposals**.

2) Coordination and Support Actions

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

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

Under this 2009 Science in Society work programme, '*Collaborative projects (small or medium-scale focused research projects) for Specific Cooperation Actions Dedicated to International Cooperation*' (SiS-2009-2.2.3.2 International dimension of research on science education) are those which request a maximum EC contribution of EUR 1 000 000. **Please note that this maximum amount of the requested Community grant is a criteria for the eligibility of proposals**.

II. CONTENT OF CALLS

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 four following activities:

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
4. The evolving role of universities

Previous SiS work programmes have funded projects analysing participatory processes (methods to conduct balanced debate and exchanges between researchers/experts and the public) or using the processes to discuss specific issues affecting research. The 2007 SiS WP also launched the concept of the 'cooperative research process' which makes it possible for researchers and non-researchers to jointly develop and implement a research project. In terms of policy initiatives, one important step was the adoption of a European Code of Conduct on the responsible development of nanosciences and nanotechnologies by the Commission in 2008.

The WP 2009 initiatives intend to further experiment with open governance approaches in specific research and technology fields with a view to identifying best practices, disseminating them through FP7 thematic research activities, and supporting longer term structuring of public engagement in research strategies at the level of research organisations. The general objective of these open governance experiments is to enable stakeholders to be involved in the research process both in terms of agenda setting for research priorities and in terms of having an impact on the broader policy process in order to identify normative, regulatory, policy and research needs in a timely manner.

The WP 2009 will also support research on ethics in science and technology, in relation to emerging issues in particular in the context of ethical reviews or (research in) science and technology, such as the protection of the privacy of citizens and their personal information. Networking and capacity building activities between ethics committees across Europe and beyond are also supported, with the overall aim to consolidate and further strengthen the infrastructure for ethical review of (research in) science and technology.

The WP 2009 will support the reforms needed to enable universities to fully play their role in the generation, transfer and sharing of knowledge with society, through the setting up of an Expert Group on Human Resources management and through mutual learning activities between universities. A Conference of the Swedish Presidency on the Knowledge Triangle and the role of Universities will also be supported.

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

Indicative budget amount for calls for proposals: EUR 3.50 million, available for topics SiS-2009-1.1.2.1 Privacy and emerging fields of science and technology: ethical, social and legal aspects; and SiS-2009-1.1.2.2 Networking and capacity building activities to support ethics committees

Area 5.1.1.1 Relationships between science, democracy and law

Proposals sought under the 2008 work programme

Area 5.1.1.2 Research on ethics in science and technology

SiS-2009-1.1.2.1 Privacy and emerging fields of science and technology: ethical, social and legal aspects.

Description of topic: Ethical frameworks for new and emerging fields of science and technology increasingly must address the issue of privacy. This topic emerges as a theme across various new technologies, such as information technology, security technology, biometrics, biomedical technology and the prospective applications of particular nanotechnologies. At the same time it is a relevant policy issue for various sectors, such as the health sector and justice and homeland security. The consumer is also concerned, for example when confronted with Radio Frequency Identification Technologies (RFID) and surveillance technologies. New techniques, such as DNA research, smart cameras, data mining, etc., have made it easier than ever before to store and process large amounts of personal information.

The question arises whether the European citizen has sufficient knowledge of what information is stored for which purpose and for what period of time. Moreover, it is not evident that the citizen will have access to that information and, if appropriate, that he or she could modify the information. Our privacy protection is guided in part by European legislation which predates the emergence of new technologies. Possibly, some technologies are developed in an uncertain legal environment. How can the Charter on Fundamental Rights, in which privacy and data protection is mentioned, serve as a basis for possible further legislative action in this field?

Research on ethics can either address the Research and Technology Development phase or the application phase of new technologies. Research on privacy and new technologies should yield insights on how our understanding of privacy may change in the light of those technologies, and how privacy is weighed against other ethical values related to security and practical convenience. This research should not concentrate on a single technology, since the privacy issue will be shaped by the simultaneous use of various technologies and address relevant EC directives and national legislation.

Funding Scheme: Collaborative 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.

SiS-2009-1.1.2.2 Networking and capacity building activities to support ethics committees

Description of topic: Especially during the last decade substantial advances have been made in building a robust infrastructure in Europe to monitor and review ethical issues of (research in) science and technology. Ethics advisory and/or review bodies are the core entities of this infrastructure. On local, national and international level, these bodies have become an integrated part of the research system, having evolved from ad-hoc, self regulating bodies into permanent, professional bodies that often have a remit established by (inter)national law. The increased importance and legal status of these bodies also merits further efforts to enhance both the knowledge base these bodies can tap into, as well as the coherence - across local, national and international levels - of their respective working practises, reviews and opinions. This is particularly relevant for new and emerging ethical issues for which either existing (legal) guidelines are inadequate or do not yet exist.

Activities in this topic include efforts to foster awareness and linkages among relevant bodies - at all three levels and including also the ethical review that the European Commission itself carries out. Existing networking activities that receive support from the European Commission are the Forum of National Ethics Council (NEC Forum) and the European network of (local) research ethics committees (EUREC). These activities, as well as the European Commission's ethical review, should be taken into account so as to avoid duplication of efforts. When appropriate, those activities may actively involve ethics advisory and/or review bodies of developing countries and emerging economies, and/or regional networks of experts where they exist, with the primary objective to ensure a responsible and balanced approach to the governance of ethics in science around the globe and to strengthen the development of international standards and best practices in that field.

Please note that the following additional sub-criterion will be added to the scientific and/or technological excellence criterion in the evaluation: 'appropriate comparative perspective and the largest possible European coverage in relation to the proposed action'.

Funding Scheme: Coordination and Support Actions (Coordinating Action); Coordination and Support Actions (Supporting Action).

Expected Impact: The proposals should promote closer coordination and collaboration between bodies that perform ethical reviews, in particular on new and emerging ethical issues for which either existing (legal) guidelines are inadequate or do not yet exist.

Area 5.1.1.3 The reciprocal influence of science and culture

No topics in 2009

Area 5.1.1.4 The role and image of scientists

No topics in 2009

Area 5.1.1.5 Public understanding of science and promotion of public debate

Proposals sought under the 2008 work programme

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

Indicative budget amount for calls for proposals: EUR 5.50 million, available for the topic SiS-2009-1.2.1.1 Structuring Public Engagement in Research (PER)

Area 5.1.2.1 Broader engagement on science-related questions

SiS-2009-1.2.1.1 Structuring Public Engagement in Research (PER)

Description of topic: This initiative aims at fostering a deeper and more systematic engagement of research bodies with civil society groups and the wider public in the European Research Area¹ as well as transnational exchanges of experience and mutual learning. There are already many initiatives to improve civil society's access to and uptake of research findings. Advancing public engagement does not mean an endless stream of communication devices; it implies, rather, openly considering and implementing forms of dialogue between research bodies and civil society which will make a difference to research strategies, and which will become part of current research practices.

The proposals will therefore consist of:

- The development of multi-annual PER action plans which promote and organise the participation of civil society in research strategies at the level of organisations, involved in the funding, designing and/or implementation of research, and
- The transnational exchange of best practice and mutual learning between PER action plans.

The transnational dimension will be an essential part of the project to which the development of the PER actions plans will be related.

The PER Action Plans developed under the proposal must contain the following elements:

i) Objectives: The aim is to create ongoing processes, 'integrated laboratories' where civil society actors move from being consumers to concerned citizens having a say in various research strategies. Research bodies should develop ways of working which benefit from the exchange of experiences and knowledge with civil society. More specifically the PER action plans and their transnational dimension should contribute to:

- Integrating the participation of civil society and its organisations at relevant stages of the research cycle and decision-making process, such as agenda setting, research projects, evaluation process and impact assessment.
- Bringing about changes in the organisational culture of research by:
 - Increasing awareness and understanding of societal concerns within research bodies;

¹ Which encompasses the Member States, the candidate countries and the associated countries

- Providing adequate incentives to research bodies and appropriate rewards to researchers to engage with public and civil society in their practices.

ii) Scope: The research topics and issues dealt with in the PER action plans must be emerging or re-emerging challenges for both civil society and research bodies, in relation to the themes and activities covered by FP7.

iii) Participants: The PER action plans and their transnational dimension will bring together organisations involved in the funding, designing and/or implementation of research (e.g. research organisations, public bodies, higher education establishments) and civil society, to which policy makers, media and/or private sector stakeholders may join as relevant. Civil society encompasses its individual members and civil society organisations (CSOs²). The proposals will ensure a balanced distribution of roles and responsibilities between the different types of participants, an equitable treatment of the contributions of the various participants, as well as a multidisciplinary approach, involving social sciences and science studies as relevant, in order to adequately tackle the selected scope. The proposals' estimated budgets will include financial support to allow the appropriate participation of all participants. The proposals will also promote gender equality.

iv) Content: PER action plans and the exchange of best practice between PER plans may include, in relation to the selected scope³:

- Transnational networking and comparisons between the PER action plans involved;
- Assessment of potential impact of research activities on citizens and civil society;
- Capacity building activities for the participants; making research findings available to civil society actors in forms which they can access and use;
- Examination of barriers to the participation of civil society and its organisations in research and of possible means to overcome them;
- Sustainable forms of dialogue and consultation between research bodies and civil society actors and the wider public when relevant, including interactive internet tools;
- Identification and discussion of areas/issues leading to recommendations and/or the setting of agendas for future research cooperation based on mutual interest and benefit for participants;
- Provisions and mechanisms to ensure open access (i.e. free internet access for users) to relevant research information, data and findings.

The PER plans and the exchanges between PER plans will also include the means for a monitoring of activities and an annual quantitative and qualitative assessment of the public engagement they promote and of their impact on the research strategies concerned.

Funding Scheme: Coordination and Support Actions (coordinating action) - (Duration of up to 4 years may be envisaged)

Evaluation criteria: Please note that the following additional evaluation sub-criterion will be added to the scientific and/or technological excellence criterion in the evaluation: *'appropriate*

² Defined as non governmental, non profit, not representing commercial interest, pursuing a common purpose in the public interest

³ Please note that this list is not exhaustive.

comparative perspective and the largest possible European coverage in relation to the proposed action'.

Expected impact: The expected impacts of the PER action plans are: 1) An improved transnational cooperation between research bodies in the domain of public engagement in research; 2) An improved mobilisation of researchers to engage with civil society in their practices; 3) An increased participation of civil society actors in research activities and an enhanced incorporation of needs and concerns of civil society in research strategies; 4) The definition of new cooperative research agendas involving researchers and civil society actors and combining their respective knowledge and experiences.

Area 5.1.2.2 Conditions for an informed debate on ethics and science

Proposals sought under the 2008 work programme.

Area 5.1.2.3 Greater emphasis on discussion within the research community on social aspects of research

No topics in 2009.

Activity 5.1.3. Strengthening and improving the European science system

Indicative budget amount for calls for proposals: EUR 2.50 million, available for topic SiS-2009-1.3.2.1 Governance and Ethics of the responsible development of Nanosciences and Nanotechnologies

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.

Proposals sought under the 2008 Work Programme.

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

SiS-2009-1.3.2.1 Governance and Ethics of the responsible development of Nanosciences and Nanotechnologies

Description of topic: Governance and Ethics of the responsible development of the Nanosciences and Nanotechnologies: articulating and implementing the European Code of Conduct on the responsible development of nanosciences and nanotechnologies

The Commission Recommendation on a 'European Code of Conduct on the responsible development of nanosciences and nanotechnologies' to EU Member States includes the principles of precaution, inclusiveness and sustainability. Member States and stakeholders will have the freedom to implement the Code according to these principles and in accordance with their responsibilities within the overall process. The content and the degree of

implementation of the Code will depend very much on the quality of the deliberative processes (e.g. a process in which a range of diverse actors enter on equal footing and let their outcomes be determined by a process of exchange of reasonable arguments) within which the general principles of the Code are translated into more concrete measures involving as much as possible the research community and its governing bodies. In order to facilitate such a process stakeholders, along with national research policy makers, need to be invited to discuss proposals on how to apply the code within their professional organisations, and how it guides them in their communication on research findings and identification of risks.

Moreover, a responsible implementation of the Code needs to include an element of foresight to predict and identify possible regulatory and policy needs raised by new technological developments. Equally, although Member States (and Associated Countries) have the legal freedom to articulate the code within their national context, they need to work with their research governing bodies to ensure a consistent implementation of the Code at European level.

Therefore, we seek to further a deliberative process involving research governing bodies (e.g., professional organisations, national research policy makers) and stakeholders in the widest possible sense, including civil society and its organisations, to make a further development and implementation of the code possible. This deliberative process will be both the object of analysis and informed and shaped by this activity. Proposals under this topic must consist of all of the following elements:

- Analysis of identification of possible deliberative processes and procedures on the articulation and implementation of the code of conduct at national and European level
- Identification and active engagement of all relevant stakeholders in the deliberative processes on the development of nanotechnology both at national and European level
- An informed design of a foresight process to identify prospective regulatory, policy and research needs.

For this topic, the active participation of relevant third country partners and/or partners from ICPC countries, particularly from Latin America and/or Africa, would be welcome if likely to increase the expected impact of the project. This aspect will be considered during the evaluation.

Funding Scheme: Coordination and Support Actions (Coordinating Action); Coordination and Support Actions (Supporting Action).

Expected impact: Further articulation of the European Code of conduct, mutual learning among Member States (and Associated Countries) and identification of new research, regulatory and policy needs.

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)

Proposals sought under the 2008 work programme.

Activity 5.1.4. The evolving role of universities

This activity aims to support the modernisation of European universities as key stakeholders in building a knowledge-based society. Actions have been launched to implement the Commission's Communication of May 2006⁴ and the Council Resolution of November 2007⁵, which invite the Commission to support Member States by identifying, in consultation with relevant stakeholders, possible measures to address the challenges that universities still face. Universities are at the interface between the European Higher Education Area (EHEA) and the European Research Area (ERA), playing a key role in efforts to achieve a sufficient supply of competent professionals and researchers that are necessary for a knowledge-based society. However, in order to fully exploit their potential, they must face challenges in certain areas (as pointed out in the May 2006 Communication 2006) such as: sustainable funding and autonomy, accountability for their results to the society, education and research performance, and links with business and society through increased community engagement and human resources management. The role of the Commission, as invited by the Council Resolution, is to support the reform and modernisation process of European Universities through policy dialogue, via the Open Method of Coordination (OMC), with the Member States and regions. A CREST Working Group on mutual learning on approaches to improve the excellence of research in universities was set up within the fourth cycle of the OMC in February 2008. The Commission is also invited to identify, in consultation with the relevant stakeholders and through mutual learning and exchange of experience, possible measures, guidelines, recommendations and best practices to implement specific actions of the modernization agenda at university level.

Actions are planned to support the reforms needed to enable universities to fully play their role in the generation, transfer and sharing of knowledge with society, with the following phases:

- i. Setting up of Expert Groups reviewing experiences, identifying best practices and drafting recommendations on specific issues of the modernization of universities that bring universities closer to the rest of society. Coordination with the CREST Working Group will be assured by mutual exchange of the main findings of the Expert Groups and policy options from the CREST group.
- ii. Launching specific studies to develop evidence on the challenges to be addressed and the specific actions to be proposed,
- iii. Support to mutual learning and take-up actions to really implement at university level specific recommendations to enable universities ply their key role in the knowledge society.

Within this scheme, in 2009 to continue and consolidate on-going initiatives on universities, the following activities are proposed:

⁴ *Delivering on the Modernisation Agenda for Universities: Education, Research and Innovation*

⁵ *Modernising universities for Europe's competitiveness in a global knowledge economy*

SiS-2009-1.4.1 Support to take-up activities by universities of specific guidelines and recommendations to implement their modernisation agenda: grant to an Identified Beneficiary⁶.

Legal Entity: European University Association, 13 Rue d'Egmont, 1000 Brussels, Belgium

Description of topic: Support to mutual learning, exchange of experiences and take-up activities by universities of available guidelines and recommendations from previous Expert Groups and specific studies on: funding and autonomy, accountability and governance, partnerships, community engagement and collaboration with business and society. The take-up activities could include dissemination actions (conferences, web-based initiatives), training (workshops and specialised seminars aimed at technical and managerial universities' staff), staff-exchange schemes between universities at different stages of implementation of specific recommendations and creation or consolidation of specific units within the institutions (Science in Society Offices to promote knowledge sharing and dialog with society, Research Management Cells, etc.). The duration of the grant will be up to 18 months.

Funding scheme: Coordination and Support Action - Grant to an Identified Beneficiary

Commission budget to be allocated: EUR 1 200 000

Objectives expected to be fulfilled: Real implementation at university level of the agreed actions and recommendations to improve their overall performance, community engagement and collaboration and partnerships with the society at large. This will increase the contribution from Europe' universities to the achievement of a knowledge-based society.

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 50% of the total eligible costs for this action, up to EUR 1 200 000.

SiS-2009-1.4.2 Expert Group on managing human resources in research universities.

Description of topic: This Expert Group will review experiences and draft recommendations on good practices between human resources departments at universities on specific topics such as: recruitment of academics and researchers, working conditions, evaluation criteria, career developments, training skills, etc. This Expert Group will provide the link between activities on universities and on researchers. The expert group contracts will have a duration of 12 months.

Funding schemes: Coordination and Support Action - Expert Group⁷

⁶ In accordance with Article 14(a) of Regulation (EC) No 1906/2006 of 18 December 2006 laying down the rules for the participation of undertakings, research centres and universities in actions under the Seventh Framework Programme and for the dissemination of research results (2007-2013)

⁷ In accordance with Articles 14(c), 17 and 27(5) of Regulation (EC) No 1906/2006 of 18 December 2006 laying down the rules for the participation of undertakings, research centres and universities in actions under the Seventh Framework Programme and for the dissemination of research results (2007-2013)

Commission budget to be allocated: EUR 300 000

Expected Impact: To increase the capability of European' universities to attract, retain and motivate the best academics and researchers in the world, increasing their contribution to the building of an attractive European Higher Education and Research Area.

SiS 2009-1.4.3 Support to the 2009 Swedish Presidency Conference on the Knowledge Triangle and the role of Universities: Grant to an Identified Beneficiary⁸

Legal Entity: Utbildningsdepartementet (Ministry of Education and Research)
SE-103 33 Stockholm, Sweden

Description of topic: Sweden has announced a major conference on the knowledge triangle and the role of universities during its forthcoming Presidency. The conference will be organised by the Swedish Presidency in close collaboration with the European Commission, the Swedish National Agency for Higher Education, research funding agencies and other stakeholders such as University Associations, student organisations, etc. It will review the developing triangle relationships between education, research and innovation; which appears crucial for Europe's success in a globalised world. The conference will especially discuss how universities can promote the interrelation between education, research and innovation. It will involve policy makers, university managers and university-based researchers, as well as representatives of from research institutes, industry and civil society organisations, which will allow a rich debate on what the knowledge triangle means and how it can develop in relation to society's aspirations and needs.

Funding scheme: Coordination and Support Action - Grant to an Identified Beneficiary

Objectives expected to be fulfilled: The Conference will take stock of progress made in European universities in relation to the knowledge triangle, and facilitate further development. It will consider the impact of efforts made in Member States (and Associated Countries) to improve the knowledge triangle, and openings for mutual learning between Member States (and Associated Countries); as a step towards enhancing European competitiveness.

Commission budget to be allocated: EUR 150 000

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 50% of the total eligible costs for this action, up to EUR 150 000.

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

Sub-Part 5.2

Second action line: Strengthening potential, broadening horizons

Foremost among the areas in which measures should be reinforced is the presently unacceptable 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 topics presented below are indicative of the actions that could be proposed without leading to duplication with existing activities. Furthermore actions supported under the 2007 work programme in the area of positive action schemes for women in research decision making; and the meta analysis of gender and science research, are expected to lead to follow-on activities for the 2010 work programme..

In the area of supporting young people in science, a review was carried out by a High Level Group of experts (the 'Rocard group'). Following this review, the 2008 and 2009 work programmes developed a structured approach, which aims at increasing the use of inquiry based learning techniques in primary and secondary schools and will allow for safeguarding accumulated knowledge. The rationale for these activities is the falling interest in key science topics and mathematics observed in several Member States. This has been linked to the way children are taught from the earliest age. Therefore, greater emphasis needs to be placed on the development of more effective forms of pedagogy; on the development of analytical skills, and on techniques for stimulating intrinsic motivation for learning science. Continued attention will be put on strengthening the links between informal and formal education.

Activity 5.2.1 Gender and research

Indicative budget amount for calls for proposals: EUR 5.60 million, available for topics

SiS-2009-2.1.1.1 Involving research bodies in the debate on gender and research, and SiS-2009-2.1.2.1 Mobilising science centres and museums on women and science.

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

SiS-2009-2.1.1.1 Involving research bodies in the debate on gender and research

Description of Topic: The under-representation of women in certain scientific fields and in research decision making positions is well known since a number of years. The EU and several Member States have already developed analysis and recommendations aimed at improving the situation. This topic aims at complementing their work by involving the main players, namely forums of public and private higher education establishments, researchers, science academies and research organisations (or their representative bodies) in a Europe wide debate on the reasons that limit the participation of women in research.

The purpose is to identify, discuss and implement best practices on gender balance in research and Higher Education institutions. Actions must involve top decision-makers (rectors' associations, ministries, networks of research associations, etc.). By networking, sharing experiences, and organising workshops, the consortium will develop guidelines on a 'gender

policy' for research organisations. The outcome should be a commitment from the various actors involved to advance the current situation on gender balance in research positions.

Funding scheme: Coordination and Support Actions (Supporting Action). Please note: for the purposes of this topic, the minimum participation condition for the Coordination and Support Action (Supporting Action) is at least 3 independent legal entities. This is an eligibility criterion. Please see also the Call Fiche.

Expected Impact: Stakeholders, R&D policy makers, leaders of research institutions and universities will develop an understanding of the factors that limit the participation of women in research, in specific disciplines and decision-making positions. Practical guidelines should be defined. On the long run, these guidelines should be implemented by the participants and potentially other interested parties. The final objective is to attract the best academics and researchers in European research centres and universities, by changing the way recruitment and career development of women and men occur.

Area 5.2.1.2 Gender dimension of research

SiS-2009-2.1.2.1 Mobilising science centres and museums on women and science

Description of topic: This topic intends to fund a group of at least 5 museums (in particular science museums or science centres) from at least 5 different Member or Associated States to develop over a period of 3 years a coordinated programme of activities on the role and representation of women in science. The co-ordinated programme could contain debates, exhibitions, science shows, theatre plays, brochures and activities involving the media. These activities should involve children, parents and teachers in the discussions. The different activities should elucidate the question of how much stereotypes and outdated traditions influence the perceptions on women and men in research and how this compares to other professions or roles in society. The activities could also look at how the organisation of European societies can favour different career tracks and societal roles for women and men and what role this plays with regard to careers in science.

Funding scheme: Coordination and Support Actions (Supporting Action). Please note: for the purposes of this topic, the minimum participation condition for the Coordination and Support Action (Supporting Action) is at least 5 independent legal entities, which must be established in at least 5 different Member States or Associated Countries. This is an eligibility criterion. See also the Call Fiche.

Impact: The projects should make sure that the situation of gendered perceptions in research is better known by a wider public, and that men and women, boys and girls learn to recognise stereotypes when it comes to gender roles in society. The size of the targeted audiences and the quality of the material produced should encourage uptake of similar activities after the end of the project. An independent qualitative and quantitative assessment must be included as part of the proposal.

Area 5.2.1.3 Mainstreaming gender in Community research policy and programmes

Proposals sought under the 2008 work programme.

Activity 5.2.2. Young people and science

Indicative budget amount for calls for proposals: EUR 9.50 million, available for topics

SiS-2009-2.2.3.1 Supporting and coordinating actions on innovation in the classroom: Dissemination and use of inquiry based teaching methods on a large scale in Europe, and SiS-2009-2.2.3.2 International dimension of research on science education.

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

Proposals sought under the 2008 work programme.

Area 5.2.2.2 Reinforcing links between science education and science careers

Proposals sought under the 2008 work programme.

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

SiS-2009-2.2.3.1 Supporting and coordinating actions on innovation in the classroom: Dissemination and use of inquiry based teaching methods on a large scale in Europe

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

This topic will support actions to promote the more widespread use of problem and inquiry-based science teaching techniques in primary and/or 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 and promote teachers' networks. In addition, the consortia must be open to the participation of entities seeking to gain experience in problem- and inquiry-based science education techniques.

Actions in this area must contribute towards the following: securing basic knowledge, developing a task culture, learning from mistakes, cumulative learning, autonomous learning, experiencing subject boundaries and interdisciplinary approaches and promoting student cooperation. Proposals must also demonstrate that the chosen teaching and education methods are equally appropriate to girls and boys and that they contribute to reducing gender stereotypes. The actions aimed at here shall already have proven their efficiency and efficacy.

The aim is therefore 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 (see under 'Funding Scheme' below, as well as the Call fiche). In addition to this during contract negotiation links will be established between funded projects and a central information provider (see next section) 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.

A central information provider will be set up in 2008 or 2009 to centralise and disseminate best practices in science education. Projects selected for funding will contribute content to this central information provider (on a non commercial basis). The grant agreements signed will not support activities that increase fragmentation such as competing web portals.

Funding Scheme: Coordination and Support Actions (Supporting Action). Please note: for the purposes of this topic, the minimum participation condition for the Coordination and Support Action (Supporting Action) is at least 10 independent legal entities, established in at least 10 different Member States or Associated countries. Each proposed activity will have a minimum overall budget of EUR 2 000 000 and a minimum duration of 36 months. These are eligibility criteria. See also the Call Fiche.

Expected Impact: To bring about a change in the way that science is taught in schools through European collaborative activities that use 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 scientific careers and a generally increased knowledge in science in the younger generations.

SiS-2009-2.2.3.2 International dimension of research on science education

Description of topic: The importance of attracting young people toward science careers starting from early ages and therefore working on science education (both formal and informal) is now well acknowledged in the European Union and worldwide. The object of this action is to understand better, and analyse how, the involved countries are addressing this issue, taking into account cultural diversities and traditions. It will also contribute to facilitate the cultural integration among groups whose origins lie in the partner countries. Projects supported under this topic will consolidate and advance knowledge on innovative approaches in teaching and learning science including activity-based and learner-centred approaches in primary and/or secondary schools.

Funding Scheme: Collaborative Project (small or medium-scale focused research project) for specific cooperation actions dedicated to international cooperation. This is a Specific International Cooperation Action (SICA). The minimum conditions concerning the participation rules shall be the following: at least 4 independent legal entities. Of these, 2 must be established in different Member States or Associated Countries and the other 2 must be from International Cooperation Partner Countries (ICPC): at least one of these partners must be from Latin America or Asia. See also Annex 1.

Expected Impact: identification, comparison and analysis of the different initiatives and policies in the involved countries and development of innovative methods in science education. The role of gender should be clearly taken into account. An appropriate dissemination plan should be part of the proposed actions.

Sub-Part 5.3
Third Action Line: Science and Society communicate

Indicative budget amount for calls for proposals: EUR 5.19 million, available for topic SiS-2009-3.0.3.1 Platform of networks grouping science museums, organizers of science events and the cities.

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

No topics in 2009.

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

Proposals sought under the 2008 work programme.

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

SiS-2009-3.0.3.1 Platform of networks grouping science museums, organizers of science events and the cities

Description of topic: This topic is aimed at networks representing at European level the science and technology museums, the organizers of science events, the cities and other possible actors involved in the promotion of scientific culture and dialogue with the citizens on scientific issues, including technology and innovation. 'European level networks' means organisations with a European identity involving a broad membership across Europe. Such networks are invited to submit a proposal for the creation of a common platform that will:

- structure their reciprocal activities and promote co-operation amongst the actors.
- run an overall independent impact assessment of the different activities, addressing at least 10 science museums, 10 science festivals and 10 cities
- define a model of 'City of Scientific Culture' (both in terms of policies and possible concrete actions) where the different actors involved in the promotion of scientific culture/two-way communication cooperate for the development of activities on scientific culture.
- define and possibly implement new activities that should focus on the EU objectives in the Science in Society programme, and integrate gender-, science education- and ethics-issues in their current activities and in new defined ad-hoc actions.
- produce a report with concrete recommendations for actions at different level (EU, national and cities) for an effective promotion of scientific culture and two-way communication.

- organize a final conference addressing mainly to the EU cities (indicative target 200 cities) to spread the result of the support action. Interested cities could be identified since the beginning of the project and for its whole duration. They could be involved (through the cities' networks and not as direct beneficiaries) in the activities of the project and in particular in a dialogue on the different issues raised within the platform.

Only one project will be supported, which should last several years. The EU contribution will sustain the creation and maintenance of the platform, the networking as well as the listed supporting activities for the duration of the project. However, the resulted platform should be organized in a way to ensure continuity after the end of the project.

Please note that the following additional sub-criterion will be added to the scientific and/or technological excellence criterion in the evaluation: *'the largest possible European coverage in relation to the proposed action'*.

Funding Scheme: Coordination and Support Actions (Supporting Action). Please note: for the purposes of this topic, the minimum participation condition for the Coordination and Support Action (Supporting Action) is at least 3 independent legal entities. This is an eligibility criterion. See also the Call Fiche.

Expected impact: The proposed action should overcome the fragmented and local results obtained from many of the previous EU activities in this field. It will contribute to the development of more structured and co-ordinated activities carried out by the different actors in this field. It should result in the mainstreaming of the 'Science in Society' priorities in the activities and policies of the actors involved in scientific culture activities in the EU. It should result in an 'Action programme Science in Society' for the cities and have it appropriately disseminated amongst the cities.

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

Action underway under 2008 work programme.

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

SiS-2009-3.0.5.1: European Union Contest for Young Scientists (EUCYS) 2009: Grant to an Identified Beneficiary

Legal Entity: Le Commissariat à l'Energie Atomique (CEA), 25 rue Leblanc, Bâtiment Le Ponant D, 75015 Paris, France

Description of topic: 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 2009 through a grant to *Le Commissariat à l'Energie Atomique (CEA)*, which will work in cooperation with Sciences à l'Ecole in l'Observatoire de Paris.

Funding scheme: Coordination and Support Action – Grant to an Identified Beneficiary

Objectives expected to be fulfilled: 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 organisations and similar bodies donate many of the non-cash prizes.

Commission budget to be allocated: EUR 600 000

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 up to 75% of the total eligible costs for this action, 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.

Action underway under 2007 work programme.

III. IMPLEMENTATION OF CALLS

CALL FICHE 1 – SCIENCE IN SOCIETY 2009

- Call identifier: FP7-SCIENCE-IN-SOCIETY-2009-1
- Date of publication⁹: Wednesday 3 September 2008
- Deadline¹⁰: Tuesday 13 January 2009 at 17.00.00, Brussels local time.
- Indicative budget¹¹: EUR 31.792 million¹² from 2009 budget
- Topics called:

ACTIVITY/ AREA	TOPICS CALLED	Funding Schemes
ACTION LINE 1: A more dynamic governance of the science and society relationship		
ACTIVITY 5.1.1 Better understanding of the place of science and technology (S & T) in society (Indicative budget: EUR 3.50 million)		
Area 5.1.1.2 Research on ethics in science and technology	Topic SiS-2009-1.1.2.1 Privacy and emerging fields of science and technology: ethical, social and legal aspects	Collaborative Projects (Small or medium-scale focused research project)
	Topic SiS-2009-1.1.2.2 Networking and capacity-building activities to support ethics committees	CSA (Coordinating) and CSA (Supporting)
ACTIVITY 5.1.2 Broader engagement to anticipate and clarify political, societal and ethical issues (Indicative budget: EUR 5.50 million)		
Area 5.1.2.1. Broader engagement on science-related questions	Topic SiS-2009-1.2.1.1 Structuring Public Engagement in Research (PER)	CSA (Coordinating)
ACTIVITY 5.1.3 Strengthening and improving the European Science system (Indicative budget: EUR 2.50 million)		
Area 5.1.3.2 Promoting trust and self-regulation in the scientific community	Topic SiS-2009-1.3.2.1 Governance and Ethics of the responsible development of Nanosciences and Nanotechnologies	CSA (Coordinating) and CSA (Supporting)

⁹ The Director-General responsible for the call may publish it up to one month prior to or after the envisaged date of publication.

¹⁰ At the time of publication of the call, the Director-General responsible may delay this deadline by up to two months

¹¹ All budgetary figures given in this call are indicative. The repartition of the sub-budgets awarded within this call, following the evaluation of proposals, may vary by up to 10% of the total value of the call.

¹² Under the condition that the preliminary draft budget for 2009 is adopted without modifications by the budgetary authority

ACTION LINE 2: Strengthening potential, broadening horizons		
ACTIVITY 5.2.1 Gender and Research (Indicative budget: EUR 5.60 million)		
Area 5.2.1.1. Strengthening the role of women in scientific research and scientific decision making	Topic SiS-2009-2.1.1.1 Involving research bodies in the debate on gender and research	CSA (Supporting)
Area 5.2.1.2. Gender dimension of research	Topic SiS-2009-2.1.2.1 Mobilising science centres and museums on women and science	CSA (Supporting)
ACTIVITY 5.2.2 Young people and science		
Area 5.2.2.3 Research and coordination actions on new methods in science education	Topic SiS-2009-2.2.3.1 Supporting and coordinating actions on innovation in the classroom: Dissemination and use of inquiry-based teaching methods on a large scale in Europe (Indicative budget: EUR 7.50 million)	CSA (Supporting)
	Topic SiS-2009-2.2.3.2 International dimension of research on science education (Indicative budget: EUR 2.00 million)	SICA Collaborative Projects (small or medium-scale focused projects) CP-FP-SICA
ACTION LINE 3: Science and Society Communicate (Indicative budget: EUR 5.19 million)		
Area 5.3.0.3 Encouraging a European dimension at science events targeting the public.	Topic SiS-2009-3.0.3.1 Platform of networks grouping science museums, organisers of science events and cities	CSA (Supporting) – Note only one project will be supported
TOTAL : EUR 31.79 million		

Eligibility conditions

The minimum number of participating legal entities required, for all funding schemes, is set out in the Rules for Participation¹³. 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 (small or medium-scale focused research projects)	At least 3 independent legal entities, each of which is established in a MS or AC, and no 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)
Specific International Cooperation Action (SICA)	At least 4 independent legal entities. Of these, 2 must be established in different MS or AC and the other 2 from International Cooperation Partner Countries (ICPC),

¹³ 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. Please note that '*Collaborative Projects (small or medium-scale focused research projects)*' are those which request a maximum EC contribution of EUR 1 000 000. **Please note that this maximum amount of the requested Community grant is a criterion for the eligibility of proposals.**

Please note the particular eligibility requirements for participation, evaluation and implementation in respect of the following eight topics:

1. SiS-2009-1.1.2.2 Networking and capacity building activities to support ethics committees: the following additional sub-criterion will be added to the scientific and/or technological excellence criterion in the evaluation: '*appropriate comparative perspective and the largest possible European coverage in relation to the proposed action*'.

2. SiS-2009-1.2.1.1 Structuring Public Engagement in Research (PER): the following additional sub-criterion will be added to the scientific and/or technological excellence criterion in the evaluation: '*appropriate comparative perspective and the largest possible European coverage in relation to the proposed action*'.

3. SiS-2009-1.3.2.1 Governance and Ethics of the responsible development of Nanosciences and Nanotechnologies: For this topic, the active participation of relevant third country partners and/or partners from ICPC countries, particularly from Latin America and/or Africa, would be welcome if likely to increase the expected impact of the project. This aspect will be considered during the evaluation.

4. SiS-2009-2.1.1.1 Involving research bodies in the debate on gender and research: the minimum number of participating legal entities required, for the funding scheme Coordination and Support Action (Supporting) is as follows: at least 3 independent legal entities. This participation criterion is also a criterion for the eligibility of the proposal.

5. SiS-2009-2.1.2.1 Mobilising science centres and museums on women and science: the minimum number of participating legal entities required, for the funding scheme Coordination and Support Action (Supporting) is as follows: at least 5 independent legal entities, which must be established in at least 5 different Member States or Associated Countries. This participation criterion is also a criterion for the eligibility of the proposal.

6. SiS-2009-2.2.3.1 Supporting and coordinating actions on innovation in the classroom: the minimum number of participating legal entities required, for the funding scheme Coordination and Support Action (Supporting) is at least 10 independent legal entities, established in at least 10 different Member States or Associated countries. Each proposed activity should have a minimum overall budget of 2 M€ and a minimum duration of 36 months. These participation criteria are also criteria for the eligibility of the proposal.

7. SiS-2009-2.2.3.2 International dimension of research on science education: the minimum conditions concerning the participation rules shall be the following: at least 4 independent legal entities. Of these, 2 must be established in different Member States or Associated

Countries and the other 2 must be from International Cooperation Partner Countries (ICPC): at least one of these partners must be from Latin America or Asia. See also Annex 1.

8. SiS-2009-3.0.3.1 Platform of networks grouping science museums, organizers of science events and the cities: the minimum number of participating legal entities required, for the funding scheme Coordination and Support Action (Supporting) is as follows: at least 3 independent legal entities. This participation criterion is also a criterion for the eligibility of the proposal. The following additional sub-criterion will be added to the scientific and/or technological excellence criterion in the evaluation: *'the largest possible European coverage in relation to the proposed action'*.

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.
- Please note: An evaluation sub-criterion will be added to the scientific and/or technological excellence criterion in the evaluation of the topics SiS-2009-1.1.2.2 Networking and capacity building activities to support ethics committees and SiS-2009-1.2.1.1 Structuring Public Engagement in Research (PER) as follows: *'appropriate comparative perspective and the largest possible European coverage in relation to the proposed action'*. The following evaluation sub-criterion will be added to the scientific and/or technological excellence criterion in the evaluation of the topic SiS-2009-3.0.3.1 Platform of networks grouping science museums, organizers of science events and the cities: *'the largest possible European coverage in relation to the proposed action'*.

Indicative evaluation and contractual timetable

Evaluations are expected to be completed in the month of March 2009. It is expected that the grant agreement negotiations for the shortlisted proposals will be open in June 2009.

Selection of proposals

1. A separate ranking list, based on evaluation scores, will be established for each of the indicative budgets as indicated in the table above. Proposals will be selected within each ranking list according to their ranked order, and provided that the proposal has a score above threshold, until the available budget is committed.

2. Activities 5.1.1 and 5.2.1 each contain two topics. A single ranking list will be produced for each of these two Activities. The first two places on this list shall be given to the proposal with the highest score from each of the two topics within Activity 5.1.1 and 5.2.1, (provided that the proposal in question has scored above the threshold). In cases of equal score, priority will be given to proposals with the highest marks in the criterion of scientific quality. In cases of equal marks in the criterion of scientific quality, priority will be given to proposals with higher marks in the criterion of potential impact. In cases of completely

identical evaluation scores in all criteria, priority will be given to the proposal from the topic with the higher number of proposals submitted and evaluated above threshold.

3. A reserve list will also be established for each Activity ranking list: proposals with evaluation scores above threshold and for which budget is not immediately available (those ranked below the selection list) will be put in this reserve list. Within each reserve list proposals will also be ranked in strict order of score (according to the procedure mentioned in point 2).

4. If money is left over after the selection of proposals for financing from each ranking list, further proposals will be selected across the different reserve lists on the basis of evaluation score obtained (with no hierarchical order between activities). In cases of equal score priority will be given to proposals with the highest marks in the criterion of scientific quality. In cases of equal marks in the criterion of scientific quality, priority will be given to proposals with higher marks in the criterion of potential impact. In cases of completely identical evaluation scores in all criteria, priority will be given to the proposal from the topic with the higher number of proposals submitted and evaluated above threshold.

Consortia agreements

Please note that Consortium agreements are only necessary for collaborative projects.

Forms of grants

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

IV OTHER ACTIONS

TABLE 1: GRANTS TO IDENTIFIED BENEFICIARIES	
Topic	Indicative Commission contribution (million €)
<u>SiS-2009-1.4.1</u> Support to take-up activities by universities of specific guidelines and recommendations to implement their modernisation agenda – European University Association, Brussels, Belgium	1.20
<u>SiS 2009-1.4.3</u> Support to the 2009 Swedish Presidency Conference on the Knowledge Triangle and the role of Universities - Utbildningsdepartementet (Ministry of Education and Research), Stockholm, Sweden	0.15
<u>SiS-2009-3.0.5.1</u> European Union Contest for Young Scientists (EUCYS) 2009 - Le Commissariat à l'Energie Atomique	0.60
SUBTOTAL	1.95

TABLE 2: EXPERT GROUPS CONTRACTS		
Topic	Indicative timing	Indicative Commission contribution (million €)
<u>SiS-2009-1.4.2</u> Expert Group on managing human resources in research universities	1 st semester 2009	0,30
SUBTOTAL		0,30

Indicative overall budget for the Science in Society 2009 work programme

	2009¹⁴ Million EUR
Calls (FP7 Science in Society–2009–1)	31.79
Evaluation, monitoring and reviewers	0,50
Other activities (incl. public procurement, Expert Groups, Grants to Identified Beneficiaries)	2,25
Estimated total budget allocation	34,54

¹⁴ Under the condition that the preliminary draft budget for 2009 is adopted without modifications by the budget authority.

Budget Figures in This Work Programme

All budgetary figures given in this work programme are indicative. Following the evaluation of proposals, the final budget awarded to actions implemented through calls for proposals may vary:

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

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