

## Nuclear Fission, Safety and Radiation Protection

- **Call Identifier:** FP7-Fission-2012
- **Date of publication:** 17 January 2012<sup>1</sup>
- **Deadline:** 27 March 2012, at 17.00.00, Brussels local time<sup>2</sup>
- **Indicative budget:** EUR 53.251.000 from 2012 budget

The table below provides indicative 2012 budgets for activities defined in the Specific Programme and/or in this work programme (excluding 'other actions' in section IV):

<b>Group</b>	<b>Activities</b>	<b>Indicative budget repartition (EUR million)</b>
1	Fission-1	9.00
2	Fission-2	20.00
3	Fission-3	15.00
4	Fission-4, 5 & 6	9.25
	<b>Total</b>	<b>53.25</b>

All budgetary figures in this work programme are indicative. Following the evaluation of the 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 call budget.

- **Topics called:**

Usually a maximum of one project will be considered for funding per topic (indicated by a singular under *funding scheme*). Where more than one project per topic could be considered for funding, this is clearly indicated (by a plural) under *funding scheme*. In such cases, the number of possible funded projects may be limited (i.e. a maximum greater than one is specified for that topic).

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<sup>1</sup> The Director-General responsible for the call may publish it up to one month prior to or after the envisaged date of publication.

<sup>2</sup> The Director-General responsible may delay this deadline by up to two months

Activity/Area	Topic	Funding Scheme
<b>Management of Ultimate Radioactive Waste:</b>	<b>Fission-1</b>	
<i>Geological disposal</i>	<i>Fission-1.1</i>	
	Fission-2012-1.1.1: Technical feasibility and long-term performance of repository components – full-scale demonstration of plugs and seals	Maximum one Collaborative Project
	Fission-2012-1.1.2: Support to the technical secretariat of the Implementing Geological Disposal Technology Platform	Maximum one Coordination and Support Action (coordinating or supporting) <i>Euratom will contribute only up to a maximum of 75% of the total cost on a shared cost basis.</i>
<b>Reactor Systems:</b>	<b>Fission-2</b>	
<i>Safety and competitiveness of existing and future nuclear installations</i>	<i>Fission-2.1 (for other actions refer to Fission-2012-2.3.1&amp;2)</i>	
	Fission-2012-2.1.1: Simulation Platform for Nuclear Reactor Safety	Maximum one Collaborative Project
	Fission-2012-2.1.2: Impact of the nuclear accident in Japan on Severe Accident Management	Maximum one collaborative project or Coordinated Action or their combination if appropriate
	Fission-2012-2.1.3: Consequences of combination of extreme external events on the safety of NPPs	Maximum one Coordination and Support Action (coordinating or supporting)
<i>Advanced nuclear systems for increased sustainability</i>	<i>Fission-2.2 (refer to Fission-2012-2.3.1&amp;2)</i>	
<i>Cross-cutting aspects for nuclear systems</i>	<i>Fission-2.3</i>	
	Fission-2012-2.3.1: R&D activities in support of the implementation of the Strategic Research Agenda of SNE-TP	Coordinated Actions and/or Collaborative Projects and/or their combination if appropriate
	Fission-2012-2.3.2: Non-research activities in support of the implementation of the Strategic Research Agenda of SNE-TP	Coordination and Support Actions (coordinating or supporting)
<i>Advanced systems for non-electrical uses of nuclear energy</i>	<i>Fission-2.4 (refer to Fission-2012-2.3.1&amp;2)</i>	

<b>Radiation Protection:</b>	<b>Fission-3</b>	
<i>Quantification of risks for low and protracted exposures</i>	<i>Fission-3.1</i>	
	Fission-2012-3.1.1: Contribution to low-dose risk research in Europe	Coordinated Actions and/or Collaborative Projects and/or their combination if appropriate
<i>Medical uses of radiation</i>	<i>Fission-3.2 (refer to Fission-2012-3.1.1)</i>	
<i>Emergency and post-accident management</i>	<i>Fission-3.3</i>	
	Fission-2012-3.3.1: Update of emergency management and rehabilitation strategies and expertise in Europe	Maximum one Collaborative Project or one Coordination and Support Action (coordinating or supporting) or their combination if appropriate
<i>National research activities in other areas</i>	<i>Fission-3.4 (no topics in 2012)</i>	
<b>Infrastructures:</b>	<b>Fission-4</b>	
<i>Supporting infrastructures</i>	<i>Fission-4.1 (no topics in 2012)</i>	
<i>Access to infrastructures</i>	<i>Fission-4.2</i>	
	Fission-2012-4.2.1: Transnational access to large infrastructures	Combination of Coordination and Support Actions (coordinating or supporting) with collaborative research projects
<b>Human Resources and Training:</b>	<b>Fission-5</b>	
<i>Training of research workers</i>	<i>Fission-5.1</i>	
	Fission-2012-5.1.1: Euratom Fission Training Schemes (EFTS) in 'Nuclear Fission, Safety and Radiation Protection'	Maximum of three Coordination and Support Actions (coordinating)
<b>Cross-cutting Actions:</b>	<b>Fission-6</b>	
<i>Cross-cutting actions</i>	Fission-2012-6.0.1: Actions supporting programme implementation and other activities.	Coordination and Support Action (supporting)
	Fission-2012-6.0.2: Widening involvement in the 'Fission, Safety and Radiation Protection' Programme.	Combination of Coordination and Support Actions (coordinating or supporting) with collaborative projects

- **Eligibility criteria:**

- The general eligibility criteria are set out in Annex 1 and in the guide for applicants. Please note that the completeness criterion also includes that part B of the proposal shall be readable, accessible and printable.
- Minimum number of participants<sup>3</sup> as set out in the Rules for Participation:

<b>Funding scheme</b>	<b>Minimum conditions</b>
Collaborative project (also applicable for a combination of a CP with another funding scheme) and Network of Excellence	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.
Coordination and support action (coordinating type)	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.
Coordination and support action (supporting type)	At least 1 independent legal entity

- Only information provided in part A of the proposal will be used to determine whether the proposal is eligible with respect to the minimum number of eligible participants.

**Proposals that do not conform to the eligibility criteria will be rejected at the eligibility stage and will not be evaluated by the independent experts.**

- **Evaluation Procedure:**

- The evaluation criteria (including any weights and thresholds) and sub-criteria together with the eligibility, selection and award criteria for the different funding schemes are set out in Annex 1 to this work programme.
- Proposal page limits: Applicants must ensure that proposals conform to the page limits and layout given in the Guide for Applicants, and in the proposal part B template available through the EPSS. The Commission will instruct the experts to disregard any pages exceeding these limits.
- The evaluation will follow a single stage procedure.
- Proposals will not be evaluated anonymously.
- Proposals may be evaluated remotely.
- At the end of the evaluation process, proposals will be ranked within their indicative budget group (see table above) and funded until the indicative budget for this group is exhausted. The budget repartition in this table is indicative. Hence there will be competition between topics in the same indicative budget group, and some topics may end up not being supported if proposals fail to reach a high enough standard (even though proposals in other groups with lower overall scores may be funded) or if this work programme limits the maximum number of proposals that may be funded under one single topic. Proposals scoring above all evaluation thresholds, but for which sufficient funding is not available, will be put on a common reserve list for the whole call, from which proposals will be considered for funding if additional funds become available from any part of the call. In the ranked lists per group and the reserve list, all funding schemes

<sup>3</sup> MS = Euratom (EU) Member State; 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

have the same weight, the priority order being determined by total score. To separate tied proposals, the score for criterion 1 may be given priority, followed by that for criterion 3, except if otherwise decided and justified by the evaluation panels. Proposals on the reserve list are not carried over for funding from next year's budget. Depending on the strategic nature of the topic in question, the Commission may, in such cases, decide to reinsert the topic in next year's work programme.

- **Indicative evaluation and contractual timetable:** Evaluation: spring 2012; contract negotiation and signature: summer / autumn 2012.
- **Consortia Agreements:** Required for all projects where there is more than one partner.
- **Particular requirements for participation, evaluation and implementation:** None beyond the standard rules and guidelines. The forms of grant and maximum reimbursement rates which will be offered are specified in Annex 2.
- **Use of flat rates for subsistence costs:**  
In accordance with Annex 2 of this work programme, this call provides for the possibility to use flat rates to cover subsistence costs incurred by beneficiaries during travel carried out within grants for indirect actions. For further information, see the relevant Guides for Applicants for this call. The applicable flat rates are available at the following website: [http://cordis.europa.eu/fp7/find-doc\\_en.html](http://cordis.europa.eu/fp7/find-doc_en.html) under 'Guidance documents/Flat rates for daily allowances'.