

**WORK PROGRAMME 2014**  
**for the implementation of the fusion roadmap**

**Enabling Research**

**Call for Projects**

**Call Issued on 10<sup>th</sup> October 2013**

**Deadline for Responses: 11<sup>th</sup> November 2013**

This Call for Projects aims at implementing elements of the 2014 Work Programme for the implementation of the fusion roadmap on Basic Research

# Introduction and Programmatic Background

At its meeting in Espoo, Finland on 3 July 2013, the Heads of Research Units approved the elements of the draft 2014-2018 Work Plan for the implementation of the fusion roadmap. In addition to the mission oriented work, a programme aimed at promoting fundamental understanding and longer perspective research will be implemented. The Enabling Research component of the programme is meant to address several areas in which fundamental understanding is required to advance fusion research. Only topics with relevance for fusion research will be funded. Keep-in-Touch activities to laser fusion research qualify, but limited to a maximum percentage of about 10 % of the total funding available.

**In this Call for projects, the research units are invited to submit proposals for research projects aiming at implementing the Enabling Research component of the 2014 Work Programme.**

## Eligibility Criteria

Proposals must be submitted by the Heads of Research Units. Only complete proposals submitted within the deadline are eligible. Enabling Research activities involving devices funded under the Campaign oriented approach will have to be incorporated into the respective Work Package.

For joint proposals, involving more than one Research Unit, the Principal Investigator is responsible for obtaining the agreement from the respective Head of Research Unit regarding the joint content of the proposal. In particular, for proposals making use of experimental facilities, the Principal Investigator should have the agreement of the respective Head of Research Unit regarding the proposed experiments.

## Duration of the Projects

As a special provision to deal with the transitional period in 2014, the **duration of the projects is limited to one year**. Subsequent calls to be issued in the coming years will accommodate Enabling Research multi-annual projects (preferably with a duration of 3 years).

## **Selection Criteria and Evaluation Process**

After a screening of the proposals by the EFDA Leader on the basis of the eligibility criteria, the proposals will be evaluated by the EFDA STAC as a special provision to deal with the transitional period in 2014. In the refereeing process, STAC could also invite additional experts as referees that could come from outside Europe.

Proposals will be evaluated and selected according to the scientific merit of the proposals taking into account the following criteria:

- a) Curriculum Vitae and Track Record of the Principal Investigator and participants in the project, and their commitment to the proposal,
- b) Importance for Fusion, feasibility and the capability of addressing important challenges,
- c) Scientific excellence, innovation potential - going beyond the state of the art,
- d) Adequateness of the resources to meet the proposed goals,
- e) Collaborative Aspects (collaborative projects of several consortium members are encouraged).

The proposals will be ranked taking into account the evaluation criteria, and the outcome of the evaluation process will select proposals:

- Rated A: to be funded within available funds,
- Rated B: not to be funded under the present Call “rejected”, but submission in subsequent Calls allowed.
- Rated C: Rejected, no resubmission possible.
- Rated D: Out of scope

For proposals rated B, C or D, a reason for the decisions will be given, for proposals rated B also hints for possible improvements.

## **Resources and Funding Rate**

**All financial provisions are subject to the approval of the grant proposal by the European Commission.**

The funding rate for proposals in the area of Enabling Research will be 50% for manpower and 40% for specific hardware investments directly related to the project. Expenses for missions and mobility related to the project will be also funded. Rules and Conditions for Mobility as well as the funding rate have not yet been defined. The total maximum community contribution (EC) will be 7 MioEuros.

Eligible Manpower costs are those directly related to the scientific and technical work carried out in the frame of the project. The name of each collaborator should be indicated in the appropriate field with the time dedicated to the project accompanied by 1 page CV summary. If one of the collaborators is yet to be recruited, such as an open postdoc / PhD position to be filled for the execution of the project, the name of the collaborator should be replaced by “Open position” and the CV should be replaced by the job description.

Eligible hardware costs are hardware investment costs directly related to the project. These should be described in detail in the proposal.

Costs related to experimental time in facilities will not be funded under this Call. Proposals requiring experimental time at JET must be submitted under the JET programme. Experimental time in national facilities must be allocated within the national programme of the facility.

## **Proposal**

The proposal should contain a description of the work to be carried out, including an introduction with the motivations and all the required background with appropriate references. The novelty of the work should be emphasised in the description, with the objectives clearly presented together with the scientific and technical deliverables and milestones. The resources foreseen for the execution of the project should be detailed, including the manpower by listing the principal investigator and all participants in the project, respective affiliations and time dedicated to the project (ppy). The list of participants in the project should be accompanied by a description of their

competences and their involvement in the project execution. A detailed description of the related hardware investments and use of mobility should be provided. For joint proposals, involving more than one research unit, the principal investigator is responsible for obtaining the agreement from the respective Head of Research Units regarding the joint content of the proposal. In particular, for proposals making use of experimental facilities, the principal investigator should have the agreement of the respective Head of Research Unit regarding the proposed experiments.

## **Scientific Monitoring and Reporting**

A final report on the outcome of the project, outlining the main results should be submitted at the end of the project. Intermediate reporting could be required if appropriate as part of the project monitoring. This report could be used in the evaluation of subsequent applications for the continuation or extension of the project.

## Submission

The proposals must be submitted by 11<sup>th</sup> November 2013. Successful projects will be implemented starting from 1<sup>st</sup> January 2014.

## Important Dates and Timeline

- Call issued on 10<sup>th</sup> October 2013
- **Deadline for Proposals on 11<sup>th</sup> November 2013**
- Project starting date 1<sup>st</sup> January 2014
- **Final Report submission deadline 31<sup>st</sup> December 2014**

# Proposal for an Enabling Research Project for the implementation of the fusion roadmap

## 1<sup>st</sup> Call

<b>Project Title</b>	<i>Field in ECOM</i>
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### Abstract

<i>Field in ECOM</i> (150 – 300 words)
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### Category

<i>Field in ECOM</i>
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### Principal Investigator (PI):

<b>Name of PI:</b>	<i>Field in ECOM</i>
<b>Institution:</b>	<i>Field in ECOM</i>
<b>Email:</b>	<i>Field in ECOM</i>
<b>Phone</b>	<i>Field in ECOM</i>
<b>Dedication to the Project (Manpower) (ppy) minimum 0.5 ppy</b>	<i>Field in ECOM</i>
<b>Manpower Cost (kEuro/ppy)</b>	<i>Field in ECOM</i>
<b>Hardware Investment: (kEuro) (if applicable)</b>	<i>Field in ECOM</i>
<b>Mission / Mobility Cost: (kEuro) (if applicable)</b>	<i>Field in ECOM</i>
<b>Curriculum Vitae</b>	<a href="#">Upload file in ECOM (Max 1 page)</a>

**Collaborator(s):**

<b>Name of Collaborator:</b>	<i>Field in ECOM</i>
<b>Institution:</b>	<i>Field in ECOM</i>
<b>Email:</b>	<i>Field in ECOM</i>
<b>Phone</b>	<i>Field in ECOM</i>
<b>Dedication to the Project (ppy) minimum 0.2 ppy</b>	<i>Field in ECOM</i>
<b>Manpower Cost (kEuro/ppy)</b>	<i>Field in ECOM</i>
<b>Hardware Investment: (kEuro) (if applicable)</b>	<i>Field in ECOM</i>
<b>Mission / Mobility Cost: (kEuro) (if applicable)</b>	<i>Field in ECOM</i>
<b>Curriculum Vitae</b>	<a href="#">Upload file in ECOM (Max 1 page)</a>

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## ***Proposal Description Template (Upload file in ECOM)***

### ***Introduction and Background:***

1-2 Pages; the proposal should contain a well motivated description of the work to be carried out, including an introduction with all the required background and appropriate references.

### ***Objectives:***

1 Page: the objectives should be clearly presented and consistent with the scientific and technical deliverables and milestones.

### ***Description:***

Max 5 Pages; the novelty of the work should be emphasised in the description. The project should link to previous work, but should be self-contained and coherent. It should not be described purely as further investigation of a previous topic, but contain a clear strategy on how to advance the topic and make progress on the subject. If appropriate, the related Hardware investments should be described, together with the use of Mobility resources.

***Scientific and technical deliverables:***

1 Page; the scientific and technical deliverable should be introduced here. These might include a theoretical model, a specific calculation or measurement, design of a component etc ... Please note that the final report, publications and presentations to conferences are not scientific deliverables.

***Budget and Resources:***

Summary of the resources required for the execution of the project including manpower, hardware costs and costs related to mobility.