

**CALL FOR PARTICIPATION IN THE POWER PLANT PHYSICS AND
TECHNOLOGY ACTIVITIES UNDER THE EFDA 2012 WORK PROGRAMME**
Fusion Materials (MAT)

At its 49th meeting in Warsaw on 24-25 October 2011, the EFDA Steering Committee approved the amendment to the EFDA 2012 Work Programme concerning the activities in the area of Power Plant Physics and Technology (PPP&T). These activities are described in the EFDA 2012 Work Programme Revision 1 (EFDA (11) 49/4.1.1). The implementation of the 2012 Work Programme will be under Task Agreements as foreseen in the new EFDA Art. 5.

In agreement with the guidelines for the implementation of the EFDA PPP&T Work Programme presented at the 49th EFDA SC meeting, a Task Planning Meeting (TPM) for the Fusion Materials area took place in Garching on 16 December 2011. At this TPM meeting the scope of the work, the finalisation of the technical specification were discussed with the Associations and the potential allocation of activities and resources.

The main objective of the Materials R&D (MAT-01) area is to develop materials for suitable use in fusion machines. The programme consists of the following projects:

- High Heat Flux Materials
- Integrated Radiation Effects Modelling and Experimental Validation
- Nano-structured ODS Ferritic Steel Development

At the same TPM, the work to be done in the area of the Materials engineering database was discussed with the Associates, and the technical specification was finalised. The main objective of this area is to assess the present knowledge about fusion materials, identify lack of information and propose actions for the future in this field (see MAT-02).

Following the outcome of the TPM meeting, the proposed programme for the Area of MAT in the PPPT WP 2012 is described in the Calls for Participation attached, *CfP-WP12-MAT-*

01.pdf, for which up to 12 ppy and 220k€ of Priority Support are allocated; and CfP-*WP12-MAT-02.pdf*, for which up to 2 ppy of Priority Support are allocated.

The purpose of the present Call for Participation is to invite your Association to propose the manning and hardware resources of the Tasks in

- *WP12-MAT-01: HHFM, IREMEV and ODSFS*
- *WP12-MAT-02: assessment of the knowledge of Fusion materials*

Please note that since the technical content of the Call is already defined and cannot be modified, you are invited to follow the instructions below in order to respond to the Call.

Priority Support

In order to ensure the added value of EFDA coordination, priority support will be allocated only to the activities that are critical for the achievements of the programmatic priorities of EFDA and that could not be undertaken otherwise.

Your Association is invited to enter for each Task the manpower required, detailed information on skills and competencies, salary costs and the cost of hardware/consumables/others. Staff proposed for work under Priority Support will be selected on the basis of their experience and skills, the commitment in time towards the fulfilment of the task and the Association or research group relevant experience or/and proposed additional support.

Baseline Support

The request for Baseline Support has to indicate the proposed manpower (ppy) for the tasks your Association wishes to participate in.

Mobility

The use of the mobility agreement is foreseen for exchanging scientists between the involved Associations. If you wish to make use of mobility support you are invited to enter the information in the appropriate field in ECoM. **Note that your proposal should be included also in the Association's annual mobility plan.**

The Call can be accessed by clicking on its link under the heading "Open Calls".

Should your Association be interested in participating in these activities, you are kindly requested to **enter and submit your answers on the ECoM system by midnight of Monday 6th February 2012**. Please note that once a proposal has been "submitted", by clicking on the appropriate button, it is not retractable unless you contact the EFDA Responsible Officer, explaining the problem.

For any other technical details related to the Call, please contact the Responsible Officer in the Close Support Unit, Sehila Gonzalez (sehila.gonzalez@efda.org).

For any problems with the use of ECoM, please contact Jennie Humphreys (jennie.humphreys@efda.org).