

EFDA Close Support Unit Garching
Boltzmannstraße 2
85748 GARCHING bei München
Switchboard: +49(0)89 3299 - 01

Francesco Romanelli
EFDA Leader

Extension: +49(0)89 3299 - 4242/4201
Telefax: +49(0)89 3299 - 4299
E-mail: efda.leader@efda.org
Website: <http://www.efda.org>

EFDA Close Support Unit Garching · Boltzmannstr. 2 · 85748 GARCHING · Germany

Our ref.: FR/ag-10-5
Date: 17 May 2010

**To the Heads of Research Units in EU Fusion
Associations and to the Representatives of the new
Member states and associated countries**
To the Chairman of F4E Governing Board
To the Director of F4E

- Via Email -

Dear Colleagues,

Subject: EFDA Meeting on PWI related modelling activities

In order to strengthen the modelling activities in the field of Plasma Wall Interactions (PWI), an EFDA meeting will be organised by the PWI Task Force on 7-8 September 2010 in Culham (JET), in connection with other EFDA topical groups/task forces (Integrated Tokamak Modelling, Materials etc).

The aims of the meeting are the following:

- Give an overview of ongoing PWI modelling activities in EU.
- Identify key areas where progress is needed, in particular to address urgent PWI issues for ITER.
- Propose a plan of actions, from the point of view of both specific PWI codes development and benchmarking activities against experimental data from present day tokamaks.

The topics covered will include:

1. Material erosion, migration, mixing.
2. SOL and Divertor physics (heat loads, detachment physics ...).
3. Impurity and plasma transport.
4. PWI related material modelling (tritium retention, removal, dust, neutron impact ...).
5. Transient events, their control and effect on PFCs.
6. PWI issues for plasma operation (conditioning, impurity seeding, high Z).

The Associations performing modelling activities in the above topics are invited to propose participants to the meeting. The agenda will be distributed soon.

Therefore, I would kindly ask you to inform - before 15 June 2010 - the EFDA PWI responsible officer Roman Zagórski (Roman.Zagorski@efda.org), with cc to Emmanuelle Tsitrone (Emmanuelle.TSITRONE@cea.fr), Leader EU PWI TF, and to Rudolf Neu (Rudolf.Neu@ipp.mpg.de), Deputy Leader EU PWI TF, whether you intend to send representative(s) to this meeting.

Sincerely yours,

Dr. Francesco Romanelli
EFDA Leader



p.o. Duarte Borba
Physics Coordination Group Leader

cc: Y. Capouet (EC), G. Hasinger (Chairman of the EFDA Steering Committee), F. Gnesotto (Chairman of STAC), E. Tsitrone (PWI TF Leader), R. Neu (PWI TF Deputy Leader), P. Strand (ITM-TF Leader), C. Hidalgo (Transport TG Chair), P. Martin (MHD TG Chair), A. Becoulet (H&CD TG Chair), R. Pitts and A. Loarte (ITER IO), G. Saibene (F4E), G. Matthews (JET TF E2 Leader)