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**To: Heads of Research Units**

Dear Colleagues

**Re: Invitation to the EFDA Associates to participate in the preparation of the JET Experimental Campaigns with the ITER-like Wall**

The current JET shutdown for the installation of the ITER-like Wall, enhanced Neutral Beam heating power and improved diagnostics is proceeding well. Furthermore, the preparations for the Experimental Campaigns that will exploit these new JET capabilities were launched successfully at the First General Planning Meeting on 1-5 March 2010. This meeting was extremely well attended by your representatives and provided a firm basis on which the new JET Task Forces E1 and E2 can be formed and the Experimental Campaign part of the JET 2011 Work Programme can be prepared.

It was clear from the First General Planning Meeting that during the forthcoming Experimental Campaigns, JET will operate under conditions and constraints very similar to those expected in ITER, thus providing unrivalled scientific opportunities from the very start of wall conditioning right through to full power operation. The meeting recognised the focus of Task Force E1 on machine conditioning, plasma formation, scenario development, heating strategies, access to current profiles for high beta operation, plasma control and scenario integration. On-the-other hand, the focus of Task Force E2 will be on material migration, fuel retention (including long-term sample analysis), material limits, divertor and scrape-off layer physics, pedestal and ELM physics and transport studies. The areas of intrinsic impurity control, steady state power load and detachment, small ELM scenarios, ELM mitigation, disruption studies and diagnostic measurements will be covered by both Task Forces E1 and E2.

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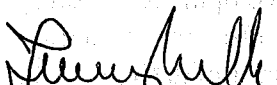
Task Forces E1 and E2 need now to be formed. Their first task will be to develop coherent proposals for experiments that will exploit fully the new JET capabilities, while ensuring that key results are obtained in a manner timely for ITER. Wiki-pages, accessible to all EFDA Associates, will record the development of these proposals and, ultimately, will provide a record of the "whole-life" of each experiment.

Weekly Task Force meetings will start on 22 April 2010, with this first meeting concentrating on the organisation of the work of Task Forces E1 and E2. These meetings will make extensive use of remote participation, although some would benefit from a larger on-site attendance for which your Association could apply for mobility support. The Task Force Leaders will form working groups, involving specialists from the Task Forces, to progress experiment proposals in some of the main research areas. The meetings of these working groups will be announced in the regular Task Force meetings, to which the progress of the working groups will also be reported.

The experiment proposals for 2011 will need to be finalised by October 2010, in time for review at the Second General Planning Meeting, scheduled for 15-19 November 2010.

I trust that the strong involvement of your Association in the use of the JET Facilities under EFDA will continue during these preparations for JET exploitation with the ITER-like Wall. Accordingly, I invite your Association to participate actively in the Task Forces' weekly and working group meetings, starting on 22 April 2010. This will ensure the full involvement of your Association in the development of experiment proposals for the forthcoming JET Experimental Campaigns.

Yours sincerely



Francesco Romanelli  
EFDA Associate Leader for JET

*Copies: G. Hasinger, F. Gnesotto, Y. Capouet, M. Cox, D. Maisonnier, M. L. Watkins, L. D. Horton, C. Soltane, A. C. C. Sips, Association Administrative and Scientific Contact Persons, Leaders of Task Forces E1 and E2.*