



EFDA

EUROPEAN FUSION DEVELOPMENT AGREEMENT

Task Force
INTEGRATED TOKAMAK MODELLING

Remote meeting, 08 june 2011

INTEGRATED SCENARIO MODELLING, Introduction meeting 08 June 2011

**Presented by X LITAUDON & I
VOITSEKHOVITCH**

TF Leader : G. Falchetto
Deputies: R. Coelho, D. Coster

EFDA CSU Contact Person: D. Kalupin

Agenda

- **1) X. Litaudon/ Voitsekhovitch Introduction**

- **3)) JT-60SA research plan - ISM participation & activities G. Giruzzi**

- **3) Predictive transport simulations of JET L-mode plasmas: comparison between GLF23 and the new TGLF model E. Fable**

- **4) Benchmark on the Rotation prediction with GLF23 - I. Voitsekhovitch**

Remote meeting

**Regular remote meeting on Wednesday morning
10h30-12h00 CET (09h30-11h00 GMT) :**

➤ **Wed 8 June**

➤ **Wed 22 June**

- flux consumption calculation V. Parail
- L Garzotti
- Rehearsal EPS posters
- preparation of ISM working session July 4-8

➤ **regular meeting will restart in september**

ISM Working session [2/2]

- **First ISM working session 07 March - 11 March**
- **Second ISM 04-08 July FOM**
 - at FOM Institute for Plasma Physics Rijnhuizen (<http://www.rijnhuizen.nl/en>), Netherlands
 - from Monday 4 July (10 am) up to Friday 08 July (14 pm)
 - Our Local Host is our colleague Dick Hogeweij
 - invitation letter for mobility support, could you tell us by the 03 June if you will participate : deadline 03 June
 - In your reply could you CC to irina.Voitsekhovitch@ccfe.ac.uk and G.M.D.Hogeweij@rijnhuizen.nl
 - Logistic Information (hotels, transportation ...) from the our Local Host will be sent soon.
- **Third ISM, Culham**
 - 7-11 Nov (before JET General Planning meeting) ?
 - or 21-25 Nov ?

List of participant

- **Requests for EU mobility support sent on the 04 june**
- **CEA:**
 - Xavier Litaudon, Xavier.litaudon@cea.fr
 - Jeronimo Garcia, jeronimo.garcia@cea.fr
 - Didier Moreau didier.moreau@cea.fr
 - Feng Liu Feng.Liu@cea.fr
- **CCFE**
 - Irina Voitsekhovitch, irina.voitsekhovitch@ccfe.ac.uk
- **FOM (on site)**
 - Dick Hogewei, G.M.D.Hogewei@rijnhuizen.nl
 - Jonathan Citrin, J.Citrin@rijnhuizen.nl
- **IST**
 - João P. S. Bizarro, bizarro@ipfn.ist.utl.pt
 - Jorge Ferreira jferreira@ipfn.ist.utl.pt
- **TEKES**
 - Johnny LONNROTH, Johnny.Lonnroth@ccfe.ac.uk
- **ÖAW**
 - Florian Koechl, Florian.Koechl@ccfe.ac.uk
- **ITER-IO :**
 - Th Casper ?

Activities to be performed (to be further discussed at the next ISM meeting)

➤ **Act -1**

- Finalise benchmark exercise on JET 77922: J P. S. Bizarro, J Ferreira, F. Koechl, I Voitsekhovitch

➤ **Act-2**

- Current diffusion evolution in JET & ASDEX-U hybrid scenario, J. Garcia, J. Citrin
- Select discharges for JET & DIII-D similarity experiments X. Litaudon, I. Voitsekhovitch (?)
- JET / JT-60U modelling
- Momentum transport I Voitsekhovitch, J. Garcia, J. Ferreira

➤ **Act-3**

- Sensitivity studies of initial plasma shape in hybrid scenario & ramp-up studies Dick Hogeweyj, Th Casper
- Effect of density peaking & sensitivity studies J. Garcia, F. Koechl, L. Garzotti (remotely)
- Edge MHD stability studies J Lonroth, J Garcia (?)
- Real time control hybrid ITER D. Moreau, F. Liu
- JT-60SA X. Litaudon