

ISM meeting April 10 2013



EFDA

EUROPEAN FUSION DEVELOPMENT AGREEMENT

Task Force  
INTEGRATED TOKAMAK MODELLING

# INTEGRATED SCENARIO MODELLING: ISM news and coming events

**I. VOITSEKHOVITCH and J. GARCIA**

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## **Agenda of this meeting**

**1. I. Voitsekhovitch and J. Garcia “ISM news and coming events”**

**IOS-ITPA rehearsals:**

**2. J. Garcia “Role of fast ions in Hybrid Scenario”**

**3. G. M. D. Hogeweij “Role of impurities in ITER-like ramp-up in JET”**

**4. I. Voitsekhovitch “Modelling of particle transport and density effects in present experiments and projection to ITER”**

## **ISM working sessions**

- **1<sup>st</sup> ISM working session will take place 11-15 March at EFDA-Garching (joint with ITM CC)**

**ETS training (1<sup>st</sup> week of CC): Yu. Baranov, A. Figueiredo, I. Ivanova-Stanik, R. Stankiewicz I. Voitsekhovitch**

- **2<sup>nd</sup> working session: 3-7 June, Cadarache, joint ISM - IO meeting on integrated modelling**
- **3<sup>rd</sup> working session: end of October/November, place to be decided**

## **ITM Code Camps**

- **March 4 – 15, IPP-Garching (2<sup>nd</sup> week is joint with ISM WS)**
- **April 15 – 26, CIEMAT, Madrid**
- **July 8 – 19 (after EPS), Helsinki**
- **September 9 – 20, Ljubljana**
- **Dates and place for the 5<sup>th</sup> CC is under discussion**

## **Provisional dates for ISM remote meetings in 2013**

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

- **10 April (IOS ITPA rehearsals)**
- **26 April**
- **22 May (DEMO modelling by G. Giruzzi, preparation to 2<sup>nd</sup> ISM working session)**
- **26 June (EPS rehearsals)**
- **Summer break: EPS, Code Camp, vacations ...**
- **4 September (rehearsal for 14th Int. Workshop on Plasma Edge Theory in Fusion Devices, 23-25 September 2013, ISM-ACT1 preparation to 4<sup>th</sup> CC, ...)**
- **25 September (rehearsal for 14th Int. Workshop on H-mode Physics and Transport Barriers, 2-4 October 2013)**

## **JET modelling events and visits**

➤ **Edge Modelling Meeting, 8-19 April:**

[http://users.jet.efda.org/tfwiki/index.php/Edge\\_modelling\\_meeting\\_April\\_2013](http://users.jet.efda.org/tfwiki/index.php/Edge_modelling_meeting_April_2013)

➤ **Core Transport Modelling Weeks 8-19 April:**

<http://users.jet.efda.org/tfwiki/images/c/c4/Agenda.pdf>

➤ **S. Moradi, April 15-26, to work with L. Garzotti on GYRO simulations for JET hybrid scenarios – this visit will be under JET Task 13-17**

## Conferences/meetings:

- **IOS-TG meeting of the ITPA, ITER-IO HQ, Saint Paul Lez Durance, France, 15-18 April 2013**
  - **D. Hogeweij et al, (a) Current ramp up modelling for ITER hybrid scenario (b) Role of impurities in ITER-like ramp-up in JET**
  - **I. Voitsekhovitch et al, Modelling of particle transport and density effects in present experiments and projection to ITER**
  - **J. Garcia et al, Role of fast ions in Hybrid Scenario**

## Conferences/meetings:

- **40th EPS conference on Plasma Physics, July 1-5 2013, Espoo, Finland. Deadlines: 15th June (poster, oral), 2nd June (paper)**
  - **A. Figueiredo et al, Modelling of JET hybrid scenarios with the European Transport Solver**
  - **B. Baiocchi et al, Turbulent transport analysis of JET H-mode and hybrid plasmas using QuaLiKiz TGLF and GLF23 (C wall)**
  - **F. Köchl et al, Integrated core+edge+MHD modelling of ELM mitigation at JET**
  - **P. Siren et al, Current profile modelling in JET and JT-60U identity plasma experiments**



## Conferences/meetings:

- **14th International Workshop on Plasma Edge Theory in Fusion Devices, Cracow, Poland, 23-25 September 2013**  
***I. Ivanova-Stanik, F. Köchl et al*, Integrated core-SOL simulations of ITER H-mode scenario: effect of pedestal density on fusion performance and divertor loads**
  
- **14th International Workshop on H-mode Physics and Transport Barriers, Fukuoka, Japan , 2-4 October 2013.**  
**Abstract deadline: 16th June 2013**
  
- **Dick Hogeweij et al Modelling of current ramp up / down**
  
- **Jeronimo Garcia et al Comparison of JET/JT60U shots**