

The IAEA's Programme on Environmental Modelling for Radiation Safety (EMRAS II)

**6th Meeting of EMRAS II Working Group 7 "Tritium" Accidents
12–15 September 2011, Hotel Parliament, Bucharest, Romania**

IAEA Scientific Secretary	Working Group Leader
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NOTE FROM IAEA SCIENTIFIC SECRETARY

During the meeting it would be important to minimize a "general discussion" and to concentrate on the preparation of the draft report (which should be ready by the end of 2011).

Participants are kindly asked to come with written documents. Only power point presentation will be not accepted.

Tentative meeting schedule

Monday 12 September

9:00 Opening (IAEA), Welcome (IFIN), participant presentation

9:30 Introduction on tritium accident (P Cortes ITER+ IFIN) final draft (will be distributed 1 week before)

10 :00 Quality assurance of environmental tritium models draft (Duran Vuje + all)

10:30 coffee break

11:00 Quality Assurance for OBT measurement in environmental samples draft (Kim CRL)

11 :30 Tritium interaction matrix final (Le Dizès-Maurel IRSN)

12 :30-14 :00 Lunch

14:00 **APPLICATION: wheat scenario, OBT production and partition in day and night. Presentation of experimental work (S. Strack unpublished experiments); scenario (D. Galeriu); preliminary results (IFIN, JAEA, CEA, CRL:) Brain storming session- OBT formation in night (all participants)**

16:00 coffee break

16:20 Tritium washout final (L Patril (CEA) +IFIN)

Tuesday 13 September

9:00 Aquatic pathway final (F Siclet(EDF), A Melintescu (IFIN),

F Lamego (IEN), S B Kim (CRL))

10:00 HT and HTO dry deposition and reemission draft (H. Nagai, M. Ota JAEA)

10:30 coffee break

10:55 HTO uptake in plants and the OBT formation during the day time draft (A Melintescu D Galeriu IFIN); discussions

12:30 Lunch break

14:00 Overview Experiments on tritium transfer from air to plants and the subsequent conversion to OBT with focus on night cases final draft; suggestions for modeling OBT formation in night (ITER +IFIN et all)

15:30 coffee break

16:00 Review on soil-plant tritium transfer draft (V Korolevich CRL)

17:00 TOCATA status, planned tritium experiments, upgrade plans (Le Dizès-Maurel IRSN)

Wednesday 14 September

9:00 Tritium transfer in farm animals final (A Melintescu D Galeriu IFIN)

10:00 Key processes and parameters draft (P Guetat CEA)

10:30 coffee break

11:00 Briefing of complex model draft (H Nagai JAEA); discussions

12:00 lunch break

13:30 Working document on appropriate crops models (simple and process level); classes of crops, perhaps IFIN

14:00 AFTER EMRAS II:

ETMOD status, past tests, week points, upgrade plans (V Korolevich CRL, need confirmation)

Planned OBT experiments at CRL S B KIM (CRL)

CEA Tritium code upgrade (L Patryl, P Guetat)

EMRAS after Fukushima (V. Berkovsky)

15:20 coffee break

15:40 TECDOC template

16:20 terrestrial conceptual model discussion!!!

Thursday 15 September

8:30 12:00 General discussion and agreement on final documents (as much as possible) OR short visit at IFIN-HH