International Workshop on Dispersion and Deposition Modeling for

Nuclear Accident Releases

-Transfer of science from academic to operational models-

<u>AGENDA</u>

March 2 (Mon)

9:00-9:15 Opening remarks H. Kondo (AIST)

9:15-10:15 T. Kitada (National Institute of Technology, Gifu) Introduction to basic concept both of dry and wet deposition models (tentative)

10:15-10:30 Break

10:30-10:55 M Takigawa (JAMSTEC) Intercomparison of Regional Chemical Transport Models for the Fukushima Daiichi Nuclear Power Plant Accident

10:55-11:20 Y. Morino (NIES) Sensitivities Analyses of Atmospheric Radiocesium Simulation Based on Atmospheric Concentration and Deposition

11:20-11:45 Anne Mathieu (IRSN) Hints to Discriminate the Choice of Wet Deposition Models Applied to an Accidental Radioactive Release

11:45- 13:00 Lunch break

13:00-13:25 T. Iwasaki (Tohoku Univ.) Introduction of Activity of MSJ for Utilization of Numerical Models on Nuclear Accident (tentative)

13:25-13:50 N. Kaneyasu (AIST) Airborne Radionuclides from the Fukushima Accident - Transport Media and Deposition Mechanism Not Considered Previously in Many Studies 13:50-14:15 H Tsuruta (Univ. of Tokyo)

First Retrieval of Hourly Atmospheric Radionuclides Concentrations just after the Fukushima Accident by Analyzing Filter-tapes of Operational Air Pollution Monitoring Stations in Eastern Japan

14:15-14:40 S. Hanna (Harvard University, School of Public Health) Introduction to Operational Models. What is required to operational models? (tentative)

14:40-16:00 Poster session with coffeePoster presentations of observation, model results and others related to the discussion on March2.

16:00-17:00 Group discussion

Main theme:

What are the types of modules used for estimating dry and wet deposition and what are the uncertainties in the parameters? Can we make recommendation for deposition modules and parameters to operational models?

(Each group discuss on the same theme. Tentative plan)

17:00-18:00 Panel discussion and summary of the first dayPanelists: Facilitators of each groupModerator: Dr. S. HannaCommentator: Dr. Ted Yamada

18:30- Banquet

March 3 (Tue)

1. 9:00-9:15 - Dr. Steven Hanna - Overview of Goals

- Invited presentation: Introduction of activities conducted during Fukushima accident
 (9:15-9:30) Dr. Teturou Ito (The University of Tokyo, The former Deputy Chief Cabinet Secretary for Crisis Management)
 - 2.2 (9:30-9:45) Dr. Haruyasu Nagai (Japan Atomic Energy Agency)
 - 2.3 (9:45-10:00) Mr. J. V. Ramsdell (Ramsdell Environmental Consulting)
 - 2.4 (10:00-10:15) Dr. Ron Meris (Defense Threat Reduction Agency)
 - 2.5 (10:15-10:30) Dr. Susan Leadbetter (UK-Met office)
 - 2.6 (10:30-10:45) Dr. Bent Lauritzen* (Riso) and Mr. Jan Pehrsson (PDC)

2.7 (10:45-11:00) Dr. Damien Didier (IRSN)

2.8 (11:00-11:15) Dr. Harmut Walter (Federal Office for Radiation Protection, Germany)

3. (11:15-12:00) Poster presentations: Technical description of the emergency response system operated by each organization. Posters will be prepared by the above persons plus other participants.

12:00-13:00 Lunch

The afternoon session will consist of discussions by the invited speakers and other participants on topics listed below:

4. Subgroup discussions (13:00-15:00) (Moderator: Steven Hanna) Tentative title and Co-facilitators

4.1) what kinds of monitoring instruments (routine and special purpose) and modelling procedures are most effective for source term estimation?
Co-facilitators: Dr. Paul Bieringer and Dr. Ryohji Ohba
4.2) what kinds of instruments and methods are required for mobile monitoring?
Co-facilitators: Dr. Hiromi Yamazawa and Dr. Bent Lauritzen
4.3) what kinds of "Risk communications" are required for effective decision making?
Co-facilitators: Mr. J.V. Ramsdell and Dr. Susan Leadbetter

5. Panel discussion: Report of the group discussions by the Facilitators, comments by entire group, and attempt to reach consensus (led by Dr. Steven Hanna) (15:00-16:00)

6. Closing remarks (R. Ohba and other organizers of workshop (16:00-16:15)