

# EMRAS II: WG3

## Reference Models for “Waste Disposal”

- WG3 overall objectives
- This meeting objectives
- Outline WG3 agenda
- Outline of current workplan

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# WG3: Objectives

- To agree on approaches for developing reference biosphere models appropriate for assessments of exposures to humans in performance assessment studies of radioactive waste repositories for radioactive waste.
- The models should take into account changes of the exposure conditions as e.g. due to changes of the climate, the use of land, agricultural practices and changes in living habits.
- To derive a set of models that cover a wide range of environmental situations.

# WG3: Objectives for this meeting

- Dissemination developments made by IAEA on safety requirements and guides relevant to radioactive waste disposal, e.g. Draft Safety Guide on “The Safety Case and Safety Assessment for Radioactive Waste Disposal”,
- Exchange of information: update on biosphere aspects of radioactive waste repository performance assessments (PAs), and identification of critical issues identified in most recent research and assessment.
- Review, improve and approve the Workplan distributed in October 2009. It is hoped to reach decisions on how to implement the Steps in the Workplan, who will participate in them, and to agree a schedule.

# WG3: Outline agenda for this meeting

- Review of WG3 objectives
- Briefings from each participant on why are they interested
- Explanation of the Workplan
- Presentations on progress in specific relevant projects
  - IAEA guidance
  - BIOMOSA results and implications (SCK-CEN)
  - BIOCLIM and BIOPROTA applications
  - Credible models, regulatory perspective (SSM)
  - SKB programme
- Topical discussions, e.g. Site specific vs generic models and data
- Workplan development

# **WG3: Outline of current draft workplan**

**Step 1. Process orientated consideration of critical factors that may have a major influence on dose to man**

**Step 2. Learning from recent assessments and research**

**Step 3. Quantitative analysis of alternative approaches**

**Step 4. Development of recommendations for reference approaches to assessment**

**You are very welcome to join us!!**