

Reference Methodologies for “Controlling Discharges” (WG1) Update

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Outline

- Update on Questionnaire
- Status of scenario A
- Status of scenario B
- Timelines
- Collaboration with other group.

Questionnaire

- We have set the questionnaire.
- We kindly encourage you to answer the questionnaire by May 31st, 2010.
- Very comprehensive questionnaire, you may choose to answer it partially if you need to.
- This is not an official correspondence, it is an informal survey (it is very flexible in terms of the completeness).

Results from Scenario A v1

- Fixed scenario, based on a releases from Sizewell, UK.
- Goal: to assess models intrinsic differences.
- Had results from 8 modellers for atmospheric (UK, Canada, France, Brazil, Argentina, Ukraine, plus others to come).
(PC-CREAM, IMPACT, French, Ukrainian, DOSAmed...)
- The results varied a lot. We found the sources of the problems, some modellers used different parameters.
- Tuesday morning, we fixed a set of parameters for the atmospheric releases. So we can run a new Scenario A v2, to achieve our goal.

Results from Scenario A v1

- We fixed the parameters for a marine environment.
- A new scenario template will be sent out to our working group members and we will set a deadline for responses for Scenario A v2.

Scenario B

- Again, Sizewell, UK routine releases.
- Goal to compare different countries methodologies in terms of regulatory approaches.
- Specifically the choice of the critical group, degree of conservatism.
- We decided which parameters will be varied and which will be fixed.

Scenario B

- We decided to use a defined set of meteorological data obtained near the location.
- We allow modelers to chose their critical group, but constrained to Sizewell habits survey data.
- Scientific data (eg. transfer factors) will be fixed as per scenario B v1.
- We will use same isotopes as scenario A, and will add more later.
- We will start scenario B once scenario A v2 is done.

Time lines

- Participants will work on their selections of critical groups, now, at the same time as:
- Till March 1st: update parameters in results template. (scenario A v2)
- Ask Nick (WG 4) for feedback on template.
 - (collaboration with WG4, we will give them activities in various media, air, water, soil, sediment).
- March 1st, send template to participants.
- By end of April, receive results of scenario A v2.
- Analyze results, if ok proceed with Scenario B.

Feel free to join

- We will be still accepting submissions for models of scenarios A v1 and v2.
- So feel free to join.
- We will also discuss when to have our next in term meeting. Preference is Vienna in September.
- Change hats....



Int'l Congress on Radioecology & Environmental Radioactivity 2011

- Please remember to come to Canada
- Website: <http://www.ecorad2011.net/>
- June 19th -24th 2011, in Hamilton, Ontario



Extra notes for minutes

- Discussion on Critical group.
- Demo on PC Cream by Justin & Sagi.
- Possible information on I release from Hospital from Richard O'Brien
- Possible scenario in France from François on a river in France.

List of Participants

- John Titley (UK)
- Bela Kanyar (Hungary)
- Patrick Boyer (France)
- Trevor Stocki (Canada)
- Patricia Sotomayor (Chile)
- Adriana Curti (Argentina)
- Pawel Krajewski (Poland)
- Rudie Heling (Netherlands)
- Iurii Bonchuk (Ukraine)
- Gaetan Latouche (Canada)
- Plus others...
- We are open for other members to join.