



الوكالة الدولية للطاقة الذرية  
国际原子能机构  
International Atomic Energy Agency  
Agence internationale de l'énergie atomique  
Международное агентство по атомной энергии  
Organismo Internacional de Energía Atómica

## **11<sup>th</sup> EMRAS Urban Remediation Working Group Meeting**

**18-22 February 2008  
Hotel Vestibul Palace, Split, Croatia**

### **MINUTES**

#### **Draft**

#### **1. Introduction**

The Urban Remediation Working Group (WG) of the EMRAS project held its eleventh meeting during the period 18-22 February 2008 in Split, Croatia. The meeting was hosted by the State Office for Radiation Protection of Croatia and in particular Mr. Dragan Kubelka and Mr. Dejan Trifunovic. The February 2008 meeting of the Urban Remediation WG was organized following the EMRAS WG's meeting held in November 2007 in Vienna, to incorporate all WG recommendations from the November 2007 meeting into the Urban Remediation WG report and to finish all remaining work on the report.

The draft Urban Remediation WG report was made available for comments to the WG participants prior to the February 2008 meeting.

#### **2. Scope and Objectives of the Meeting**

The main objectives of the meeting were:

- (a) To discuss in detail the major conclusions, lessons learned, and recommendations (for each scenario, and for the whole WG report, especially Sections 3.6, 4.5, and 5);
- (b) To discuss all of the draft WG report by sections and to finalize it as needed for submission to the IAEA for publication;
- (c) To discuss and finalize the Summary section of the Working Group report; and
- (d) To discuss and finalize the proposed summary of Working Group activities for inclusion in the EMRAS booklet (Executive Summary for the EMRAS programme).

The meeting followed the agenda presented in Appendix. It was chaired by Ms. Kathleen Thiessen (USA, Chairperson of the Urban Remediation WG) and was

attended by Mr. Tom Charnock (UK), Mr. Christian Kaiser (Germany), Mr. Kasper Andersson (Denmark), and Mr. Dejan Trifunovic (Croatia).

### **3. Work Performed**

At the end of the 5<sup>th</sup> EMRAS meeting in November 2007, the Urban Remediation WG had assembled lists of lessons learned and conclusions, for each of the two modelling scenarios (Pripyat scenario and the Hypothetical scenario) and for the whole report. Suggestions and comments on various issues were also collected and summarised in the Minutes of that Meeting. Plans for completion of the report and a corresponding schedule were also developed. Following the November 2007 meeting, Ms. K. Thiessen assembled the comments and suggestions from the meeting as well as comments submitted during December 2007 and January 2008. All of these suggestions and comments were incorporated into a new version of the Urban Remediation WG report, which was distributed to WG participants in early February 2008. The WG participants were asked to send any additional comments to Ms. K. Thiessen prior to the February 2008 meeting in Croatia. Participants attending the February 2008 meeting were especially asked to review the report in anticipation of the meeting and also the proposed draft summary of the Urban Remediation WG (planned to be published together with the summaries of all EMRAS project WGs).

During the February 2008 meeting, the participants reviewed each section of the Urban Remediation WG report, with particular attention to issues noted in the newest version of the report. Comments received prior to or during the meeting from other participants were also addressed. In a few cases, specific questions or issues (e.g., improvement of tables) were noted for follow-up after the meeting. The WG paid special attention to the major conclusions, lessons learned, and recommendations for each of the two modelling scenarios (Section 3.6 for the Pripyat scenario and Section 4.5 for the hypothetical scenario). The overall conclusions, lessons learned, and recommendations for the whole report (Section 5) also received special attention.

Two summaries of the report were prepared prior to the February 2008 meeting, one to serve as the executive summary for the report itself, and one to be included in the IAEA's booklet on the whole EMRAS program (being prepared by Gordon Linsley, Chairman of the EMRAS project). The latter summary, for the EMRAS booklet, is subject to a page limit. These summaries were reviewed by the WG participants and were revised as needed.

A list of remaining issues was prepared for follow-up attention after the meeting. This consisted primarily of things that did not require the whole group's attention—formatting of tables, revision or addition of figures, checks of information with modellers, and checks of spelling and consistency.

### **4. Outcomes**

At the finish of the meeting, the group had revised versions of the main text of the Urban Remediation WG report, Annexes II and III, and the summary for the EMRAS booklet, plus a list of the remaining issues to be addressed by Ms. K. Thiessen after the meeting. Following the meeting, the short summary for the EMRAS booklet was sent to Ms. B. Batandjieva (IAEA Scientific Secretary for the Urban Remediation

WG) on 29 February 2008. The revised main text of the WG report was sent to Ms. B. Batandjieva on 4 March 2008, as well as a CD with all parts of the WG report (main text, annexes, and additional files).

The structure of the draft WG report as developed at the Feb 2008 meeting is the following:

- Main text [Word file];
- Annex I (Pripyat scenario) [Word file];
- Annex II (Hypothetical scenario) [Word file];
- Annex III (Model descriptions) [Word file];
- Annex IV (Model results) [Word file];
- Annex IV (additional files--several folders with Excel files);
- Annex V (supplemental information) [Word file];
- Additional files for CD.

The additional files for the CD include Ms. Florence Gallay's (France) review of literature on urban assessment modelling, the original Ukrainian scenario from which the Pripyat scenario was developed (including supporting materials), and complete versions of the Pripyat and Hypothetical scenarios (including supporting materials).



IAEA

## 11<sup>th</sup> Meeting of the EMRAS Urban Remediation Working Group

Hotel Vestibul Palace, Split, Croatia

18-22 February 2008

### AGENDA

Monday, 18th February 2008

09:00–12:30	<b>1. Welcome</b>	Dragan Kubelka and Dejan Trifunovic (Croatia)
	<b>2. Overview of meeting</b>	Kathleen Thiessen (USA)
	2.1. Progress since Nov 2007	
	2.2. Scope, objectives and expected outcomes	
	<b>3. Draft Urban WG Report - review of current status</b>	Kathleen Thiessen
	Section 1. Introduction	Kathleen Thiessen
	Section 2. Modelling of contaminated urban environments	Kasper Andersson (Denmark)
	Section 3. Scenario 1 (Pripyat)	Tom Charnock (UK)
	Section 4. Scenario 2 (Hypothetical scenario)	Dejan Trifunovic (Croatia)
	Section 5. Conclusions and recommendations	Christian Kaiser (Germany)
	Annexes	Kathleen Thiessen
	Additional contents of CD	Kathleen Thiessen
	Discussion	All
12:30–13:30	<i>Lunch break</i>	
13:30–17:30	<b>4. Major conclusions, lessons, and recommendations</b>	All
	Pripyat scenario (Section 3.6)	
	Hypothetical scenario (Section 4.5)	
	Overall conclusions (Section 5)	
	Discussion	
	<b>5. Summary section of WG report</b>	All
	<b>6. Summary of WG activities for EMRAS booklet</b>	All

Tuesday, 19th February 2008

09:00–09:30	<b>7. Plenary session</b>	All
09:30–12:30	<b>8. Development of the report</b>	All
12:30–13:30	<i>Lunch break</i>	
13:30–17:30	<b>8. Development of the report (cont.)</b>	All

Wednesday, 20th February 2008

09:00–09:30	<b>9. Plenary session</b>	All
09:30–12:30	<b>8. Development of the report (cont.)</b>	All
<i>12:30–13:30</i>	<i>Lunch break</i>	
13:30–17:30	<b>8. Development of the report (cont.)</b>	All

**Thursday, 21st February 2008**

09:00–09:30	<b>10. Plenary session</b>	All
09:30–12:30	<b>8. Development of the report (cont.)</b>	All
<i>12:30–13:30</i>	<i>Lunch break</i>	
13:30–16:30	<b>8. Development of the report (cont.)</b>	All
16:30–17:30	<b>11. Consolidation of the revised report</b>	All

**Friday, 22<sup>nd</sup> February 2008**

09:00–12:30	<b>12. Review and discussion of revised report</b>	All
	<b>13. Review and discussion of summary for EMRAS booklet</b>	All
	<b>14. Summary of remaining tasks</b>	All
	<ul style="list-style-type: none"> <li>- Finalization of the report</li> <li>- Submission of WG report to the IAEA</li> <li>- Submission of summary for EMRAS booklet</li> </ul>	
<i>12:30</i>	<b>15. Close of Meeting</b>	Kathleen Thiessen