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|  | EUROPEAN COMMISSION  DIRECTORATE-GENERAL ‘RESEARCH’ | INTERNATIONAL  SCIENCE AND  TECHNOLOGY  CENTER |  |

**Contact Expert Group on Severe Accident Management (CEG-SAM)**

Agenda of the 14th Meeting

Kiev, Ukraine

Science & Technology Center in Ukraine (STCU)

September 9-11, 2008

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| **Tuesday, September 9, 2008:** | | | | | |
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|  | | **Meeting location**: Institute for Safety Problems of NPP's (ISP NPP) of the National Academy of Science of Ukraine | | |  |
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| **9.00 h** | | Registration of the participants in the conference hall | | |  |
|  | | Restricted session | | |  |
| **9.15 h** | | 1. Welcome and opening remarks | | | M. HUGON, EC  V. STEPANENKO,  STCU |
| **9.20 h** | | 2. Adoption of the agenda of the 14th CEG-SAM meeting in Kiev | | | All |
| **9.25 h** | | 3. Approval of the minutes of the previous 13th CEG-SAM meeting in Budapest, Hungary, March 5-7, 2008 | | | All |
| **9.35 h** | | 4. Discussion of the “Specific Action List” of the 13th CEG-SAM meeting | | | All |
| **9.50 h** | | 5. Future of the CEG-SAM | | | M. HUGON, EC |
| **10.10 h** | | 6. Reports by the secretariats | | | M. HUGON, EC  V STEPANENKO, STCU |
| **10.20 h** | | 7. Preliminary discussion of updated and/or new ISTC/STCU project proposals | | | All |
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| **10.40 h** | | COFFEE BREAK | | |  |
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|  | | **Extended session**  **Meeting location**: Institute for Safety Problems of NPP's (ISP NPP) of the National Academy of Science of Ukraine | | |  |
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| **11.00 h** | | 8. Welcome of the Russian, Kazakh and Ukrainian colleagues;approval of the minutes of the 13th CEG-SAM meeting in Budapest;adoption of the agenda of the 14th CEG-SAM meeting in Kiev | | | M. HUGON, EC  V.STEPANENKO, STCU |
| **11.10 h** | | 9. Status of the official CEG-SAM webpage | | | A. MIASSOEDOV, FZK |
| **11.20 h** | | 10. Future of the CEG-SAM | | | M. HUGON, EC |
| **11.40 h** | | 11. Overview of SARNET achievements and research topics proposed in SARNET2 | | | B. CLEMENT,  IRSN |
| **11.55 h** | | 12. Iodine chemistry and aerosol studies in SARNET; Approach and major insights | | | L.E. HERRANZ,  CIEMAT |
| **12.10 h** | | 13. Corium and Debris Coolability within SARNET-2 | | | W. TROMM,  FZK |
| **12.30 h** | | 14. A review presentation on “Chernobyl shelter-status-myths and reality” | | | O. KLYUCHNYKOV,  ISP NPP |
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| **13.30 h** | | LUNCH BREAK | | |  |
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| **14.30 h** | | 15. Safety analyses of nuclear installations at the Chernobyl site | | | G.PRETZSCH,  GRS |
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|  | | **On-going project presentations** | | |  |
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| **14.50 h** | | 16. Status of the ISTC project #3690 on the “Fuel assemblies behaviour under severe accident top quenching conditions in the PARAMETER-SF test series (PARAMETER-SF3 and PARAMETER-SF4 experiments) | | | V. NALIVAEV,  LUCH |
| **15.20 h** | | 17. Results of post-test examinations of SF2 fuel bundle and numerical simulations of the experiments PARAMETER-SF3 and -SF4 | | | A.E.KISELEV,  IBRAE RAS |
| **15.40 h** | | 18. PARAMETER SF4: a proposed strategy experiment definition | | | S.GÜNTAY,  PSI |
| **16.00 h** | | | 19. Overview of the SARNET-2 MCCI proposal and link with ISTC projects | | Ch. JOURNEAU,  CEA |
| **16.10 h** | | | 20. Report on the ISTC #3831 (MCCI) project progress meeting in Moscow, July 2008 | | A.MIASSOEDOV,  FZK |
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| **16.20 h** | | COFFEE BREAK | | |  |
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| **16.40 h** | | 21. Numerical simulations in containment safety analysis | | | A. KOTCHOURKO,  FZK |
| **17.00 h** | | 22. Status of the ISTC project # K-1265 “Study of the processes of corium-melt retention in the reactor pressure vessel” (INVECOR) | | | V. ZHDANOV,  IAE NNC RK |
| **17.30 h** | | 23. Progress report on the ISTC project #3592 "Corium Melt Interaction with Reactor Vessel Steel” (METCOR-P) | | | S. BECHTA,  RIT-NITI |
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| **18.00 h** | | Adjourn | | |  |
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| **Wednesday, September 10, 2008:** | | | | | |
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|  | **Extended session** (continued)  **Meeting location**: Institute for Safety Problems of NPP's (ISP NPP) of the National Academy of Science of Ukraine | | |  |
| **9.00 h** | | 24. Progress report on the ISTC project #3813 “Phase relations in corium systems” (PRECOS) | | | S. BECHTA,  RIT-NITI |
| **9.30 h** | | 25. Status of the ISTC project #3635 “Scale experimental investigation of the thermal and structural integrity of the VVER pressure vessel Lower Head in severe accidents” | | | V. LOKTIONOV,  MPEI |
| **10.00 h** | | | 26. Thermo-hydraulics of U-Zr-O molten pool under oxidising conditions in multi-scale approach (crucible- bundle -reactor scales); ISTC project #3876 (THOMAS) | | M. VESHCHUNOV, IBRAE RAS |
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|  | | | **Updated and new project proposals** | |  |
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| **10.30 h** | | | 27. Status of the STCU project proposal #4207 “Problem of uranium and transuranium elements accumulation in “Selter” object aqueous clusters as nuclear and radiation hazard factor” | | A. ODINTSOV,  V.KRASNOV,  ISP NPP |
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| **11.00 h** | | | COFFEE BREAK | |  |
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| **11.30 h** | | | 28. Status of the STCU project proposal #4758 “Estimated experimental researches to characterize hidden nuclear hazardous clusters of fuel containing materials in the destroyed Chernobyl NPP Unit 4” | | E. VISOTSKY,  V. KRASNOV,  ISP NPP |
| **12.00 h** | | | 29. Status of the STCU proposal #4726 “Safety-critical software independent verification and latent faults assessment based on diverse measurement of invariants” | | B. KONOREV,  I&C SCC |
| **12.30 h** | | | 30. Status of the STCU project proposal #4452 “Robot-technical complex for ChNPP on the base of robots of Ukraine and USA” | | A. NEVSKY,  ISP NPP |
| **13.00 h** | | | 31. The use of KMS capabilities for PWR containment studies | | V. ZASUKHA,  FSUE-NITI |
| **13.30 h** | | | 32. Next CEG-SAM meetings, March & September 2009 | | All |
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| **14.00 h** | | | **End of extended session** | |  |
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| **14.00 h** | | | LUNCH BREAK | |  |
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| **15.00 h** | | | **Restricted session** (continued) | |  |
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| **15.00 h** | | | | 33. SARNET and CEG-SAM comments on ISTC/STCU proposals | All |
| **15.20 h** | | | 34. Detailed discussion of the presented ISTC/STCU project proposals and eventually preparation of specific CEG-SAM advices; collaborators final engagement | All |
| **16.30 h** | | | 35. Discussion of various actions | All |
| **16.50 h** | | | 36. Other matters; Final remarks | M. HUGON, EC,  V. STEPANENKO,  USTC |
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| **17.00 h** | | | **END OF THE MEETING** | |  |
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| **Thursday, September 11, 2008:** | | | | |
| Technical tour to CHERNOBYL | | | | |
| **08:00h - 11:00h:**  Bus transfer from Kiev to Chornobyl NPP  **11:00h – 12:00h:** The 4th Block of Chornobyl NPP, or “Shelter” (Pripyat site)  **12:00h – 12:30h:** The 3rd Block of Chornobyl NPP, water channels (Pripyat site)  **12:30h – 13:00**h: The Greek Orthodox Church (active) (Chornobyl site)  **13:00h – 14:00h:** Lunch (Chornobyl site)  **14:00h – 15:00h:** Storage place of contaminated machines, mechanisms (Buryakovka site)  **15:00h - 15:30h:** Ex-Soviet military antenna for far detection (Chornobyl-2 site)  **15:30h – 16:30h:** The ISP NPP (robot complexes, radio chemistry, etc) (Chornobyl site)  **17:00h – 20:00h:** Bus transfer back to Kiev  As these areas are not completely safe note the following information:  green colour designate safe areas (radiation level corresponds to the natural background),  yellow colour designate areas with 5-10 times higher radiation levels, and  red colour designate quite dangerous places (up to 50-100 fold exceeding of natural background).  The accumulated dose obtained will not exceed the dose for a X-ray examination in hospital.  It’s possible to use your own dosimeter (in parallel to professional ones from the ISP NPP). | | | | |

Chairman: M. HUGON, EC; Co-Chairman: L. TOCHENY, ISTC; Secretary: P. HOFMANN