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

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

Final agenda of the 13th Meeting

Budapest, Hungary

Hungarian Academy of Sciences KFKI, Atomic Energy Research Institute AEKI

March 5-7, 2008

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| **Wednesday, March 5, 2008:** | | | | | |
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|  | | **Meeting location**: Meeting Hall of the Hotel Budapest “Körszálló”, Budapest | | |  |
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| **9.00 h** | | Registration of the participants in the meeting hall | | |  |
|  | | Restricted session | | |  |
| **9.15 h** | | 1. Welcome and opening remarks | | | M. HUGON, EC  L. TOCHENY, ISTC |
| **9.20 h** | | 2. Adoption of the agenda of the 13th CEG-SAM meeting | | | All |
| **9.30 h** | | 3. Approval of the minutes of the previous 12th CEG-SAM meeting in Saint Petersburg, Russian Federation, September 11-13, 2008 | | | All |
| **9.40 h** | | 4. Discussion of the “Specific Action List” of the 12th CEG-SAM meeting | | | All |
| **10.00 h** | | 5. Future prospects of ISTC | | | M. HUGON, EC |
| **10.10 h** | | 6. Status of the official ISTC CEG-SAM webpage | | | A. MIASSOEDOV, FZK  K.TRAMBAUER, GRS |
| **10.20 h** | | 7. Report by the secretariat | | | M. HUGON, EC  L. TOCHENY, ISTC |
| **10.30 h** | | | 8. Update on the information exchange and interaction between ISTC CEG-SAM and SARNET (presentation shifted to topic #11) | | B. CLEMENT, IRSN  M. HUGON, EC |
| **10.40 h** | | | | 9. Preliminary discussion of updated and new ISTC project proposals | All |
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| **11.00 h** | | | | COFFEE BREAK |  |
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|  | | | | **Extended session**  **Meeting location**: Meeting Hall of the Hotel Budapest “Körszálló” |  |
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| **11.20 h** | | | | 10. Welcome of the Russian, Kazakh and Ukrainian colleagues; approval of the minutes of the 12th CEG-SAM meeting; adoption of the agenda | M. HUGON, EC  L. TOCHENY, ISTC |
| **11.25 h** | | | | 11. Update on the information exchange and interaction between ISTC CEG-SAM and SARNET | B. CLEMENT, IRSN  M. HUGON, EC |
| **11.30 h** | | | | 12. Presentation on the preparation of SARNET-2 | W. TROMM,  FZK |
| **11.40 h** | | | | 13. Status of the official ISTC CEG-SAM webpage | A. MIASSOEDOV, FZK  K.TRAMBAUER, GRS |
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|  | | | | **On-going project presentations** |  |
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| **11.50 h** | | | | 14. Final report on the experimental part of the ISTC project # 1648.2 “Examination of VVER fuel behaviour under severe accident conditions, Quench state” (VVER-QUENCH) | A. GORYACHEV,  RIAR |
| **12.15 h** | | | | 15. Final report on the stage B of the ISTC project # 1648.2. Results of the integral reflood test QUENCH-12 with a VVER bundle | J. STUCKERT,  FZK |
| **12.40 h** | | | | 16. Final report on the analytical part of the ISTC project # 1648.2 “Examination of VVER fuel behaviour under severe accident conditions, Quench state” (VVER-QUENCH) | M. VESHCHUNOV, IBRAE RAS |
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| **13.10 h** | | | | LUNCH |  |
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| **14.00 h** | | | | 17. Part 1: 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 -SF4 experiments), Part 2: Destructive post-test examination results of fuel bundle PARAMETER-SF2 | V. NALIVAEV,  LUCH,  T. YUDINA,  IBRAE RAS |
| **14.30 h** | | | | 18. PARAMETER-SF3 test scenario and results of SF3 pre-test numerical modeling,Specification for numerical simulation of PARAMETER facility; Tests SF3 and SF4 | T. YUDINA,  IBRAE RAS  A.E.KISELEV,  IBRAE RAS |
| **14.50 h** | | | | 19. Preliminary results of PARAMETER-SF2 post-test calculation with ATHLET-CD | K.TRAMBAUER,  GRS |
| **15.10 h** | | | | 20. Progress report on the ISTC project # K-1265 “Study of the processes of corium-melt retention in the reactor pressure vessel” (INVECOR) | V. ZHDANOV,  IAE NNC RK |
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| **15.40 h** | | | | COFFEE BREAK |  |
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| **16.00 h** | | | | 21. Final report on the ISTC project #3345 “Ex-vessel source term analysis” (EVAN)”, phase 1 | V. BEZLEPKIN,  SPAEP |
| **16.30 h** | | | | 22. Progress report on the ISTC project #3592 (METCOR-P) "Corium Melt Interaction with Reactor Vessel Steel” | S. BECHTA,  RIT-NITI |
| **17.00 h** | | | | 23. Progress report on the ISTC project #3635 “Experimental investigation of the thermal and structural integrity of the VVER pressure vessel Lower Head in severe accidents”, paper was not presented | V. LOKTIONOV,  MPEI |
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| **17.30 h** | | | | Adjourn |  |
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| **19.00 h** | | | | Dinner in the restaurant “Márványmenyasszony”, Budapest, I.ker. Márvány utca 6 | All |
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| **Thursday, March 6, 2008:** | | | | | |
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|  | | **Extended session** (continued)  **Meeting location**: Meeting Hall of the Hotel Budapest “Körszálló” | |  |
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|  | | **Updated and new project proposals** | | |  |
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| **9.00 h** | | 24. Status of the ISTC project #3813 “Phase diagrams for NPP severe accident studies (CORPHAD-P called now PRECOS,)” | | | S. BECHTA,  RIT-NITI |
| **9.20 h** | | 25a. Status of the ISTC project #3831 on “Development and experiments at large-scale installation for heating and retention of corium”, paper was not presented | | | A. KONDRASHENKO,  VNIIEF |
| **9.35 h** | | 25b. Remarks on the composition of the concrete to be examined | | | Ch. JOURNEAU, CEA |
| **9.40 h** | | 26. Status of the ISTC project #3609 “Experimental investigation of flow pulsation effects on burnout in RPV external cooling system (EXPULS)” | | | S.BECHTA,  Y.A. MIGROV,  RIT NITI |
| **10.00 h** | | 27. Status of the ISTC project proposal on “Study of fission products release and behaviour of VVER fuel with high burnup under severe accident conditions (VERONIKA)” | | | A. GORYACHEV,  RIIAR |
| **10.20 h** | | 28. Thermohydraulics of U-Zr-O molten pool under oxidising conditions in multi-scale approach (crucible- bundle -reactor scales); THOMAS project (new) | | | M. VESHCHUNOV, IBRAE RAS |
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| **10.50 h** | | COFFEE BREAK | | |  |
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| **11.10 h** | | 29. Overview of the SAM STCU list of projects and current state | | | V.STEPANENKO,  STCU |
| **11.30 h** | | 30. Status of the STCU project proposal #4207 “Long-term prognosis of behaviour of the fuel dust in Chernobyl Shelter” | | | V. PROTSAK,  UIAR of NAU,  UKRAINE |
| **12.00 h** | | 31. STCU project proposal on Chernobyl lava analysis “Numerical and experimental analysis of buried fuel-containing aggregations at 4-th unit of Chernobyl NPP” | | | V. BATY,  V. KRASNOV,  ISF NPP,  CHERNOBYL |
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| **12.30 h** | | LUNCH | | |  |
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| **13.30 h** | | 32. Problems of Severe Accident Analysis in Ukraine | | | S. KRASNUKHA,  NAEK “Energoatom” |
| **14.00 h** | | 33. Status of the STCU project #3511 on “Development of device and method for gamma-radiation angular distributions measurement under hard radiation conditions” | | | V. BATIY,  ISF NPP,  CHERNOBYL |
| **14.30 h** | | 34. Next CEG-SAM meeting, September 2008 | | | All |
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| **14.40 h** | | **End of extended session** | | |  |
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|  | | COFFEE BREAK | | |  |
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| **15.00 h** | | **Restricted session** (continued) | | |  |
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| **15.00 h** | | | 35. SARNET and CEG-SAM comments on ISTC/STCU proposals | | All |
| **15.20 h** | | 36. Detailed discussion of the presented ISTC/STCU project proposals and eventually preparation of specific CEG-SAM advices; collaborators final engagement | | All |
| **17.00 h** | | 37. Discussion of various actions | | All |
| **17.20 h** | | 38. Other matters; Final remarks | | M. HUGON, EC,  L. TOCHENY, ISTC |
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| **17.40 h** | | **END OF THE SESSIONS** | | |  |
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|  | | Adjourn | | |  |
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| **Friday, March 7, 2008:** |
| Visit of research facilities at AEKI |
| **09:00 h** Bus transfer of the participants from the hotel Budapest “Körszálló” to KFKI / AEKI  Visit of the large- and small-scale experimental facilities CODEX, COHYRA, RUSET, CLAIR of the scaled-down model of the Paks Nuclear Power Plant (PMK-2 facility) and the BUDAPEST Research Reactor.  **15:00 h** Arrival of the bus from the research centre at the hotel Budapest “Körszálló” |

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