Workshop on Managing Nuclear Knowledge

22- 26 August 2005, Trieste, Italy

Agenda

Sunday, 21 August 2005

ARRIVALS, REGISTRATION 18:00 – 19:00

Monday, 22 August 2005

REGISTRATION 8:00 – 9:00

9:00 – 10:15 OPENING SESSION
Chair: Andrei Kossilov, IAEA

Claudio Tuniz, International Centre for Theoretical Physics
Yanko Yanev, IAEA
Introduction of participants
Administration

MORNING BREAK 10:15 – 10:45

10:45 – 16:00 SESSION 1. Policies and Strategies in Nuclear Science and Technology
Chair: Yanko Yanev, IAEA

1. Managing Nuclear Knowledge and the IAEA
   Yanko Yanev, IAEA

2. Nuclear Knowledge Management Strategies in Canada
   R.A. Speranzini, Canada

LUNCH 12:30 – 13:30

3. Nuclear Knowledge Management in JAERI
   Kazuaki YANAGISAWA, Japan
4. Performance Assessment of Nuclear Knowledge Management Systems  
   John de Grosbois, Canada
5. Requirements and generic guidance for Management System  
   Andrei Kossilov, IAEA
6. Knowledge Management Initiatives at the Philippine Nuclear Research institute  
   Corazon C. Bernido, Philippine

**AFTERNOON BREAK**  
15:30 – 16:00

7. A Portfolio of Knowledge Management Initiatives to Derive Business Benefit  
   A. Jackson, UK

16:30 – 17:45 **Panel Discussion: Needs for and Benefits of Knowledge Management.**  
Chair: Yanko Yanev/Andrei Kossilov, IAEA

**RECEPTION**  
18:00 – 19:30

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**Tuesday, 23 August 2005**

09:00 – 16:00 **SESSION 2. Managing Nuclear Information Resources**  
Chair: Anatoli Tolstenkov, IAEA

8. INIS: 35 Years of Successful International Cooperation  
   Anatoli Tolstenkov, IAEA
   D. Beraha, T. Heigl, P. Puhr-Westerheide, Germany

**MORNING BREAK**  
10:30 – 11:00

10. The IAEA Nuclear Information Portal  
   Wei Lei, IAEA
11. Requirements to Nuclear Information Portal  
   (Breakout session – 2 groups)

**LUNCH**  
12:30 – 13:30

12. Preservation of Nuclear Information and Records  
   Anatoli Tolstenkov
13. IAEA Knowledge Management Initiatives  
   Anatoli Tolstenkov, Andrei Kossilov, IAEA
14. Databases of JRC Petten - Useful tools for European R&D projects and international organisations  
   H. H. Over, E. Wolfart, Joint Research Centre of the European Commission, Institute for Energy, Petten, The Netherlands

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26.08.2005
15. WWER reactor pressure vessels knowledge: A Preservation and Knowledge Management Project Concept
   *Milan Brumovsky*, Nuclear Research Institute Rez plc, Rez, Czech Republic, *Luigi Debarberis*, EC JRC Institute of Energy, Petten, Netherlands

16. Knowledge Management at the Institute of Nuclear Physics
   *M. Salimov*, Uzbekistan

16:30 – 17:30 Panel Discussion: Sharing Nuclear Information and International Cooperation
   Chair: Anatoli Tolstenkov/Yanko Yanev/Wei Lei, IAEA

**Wednesday, 24 August 2005**

9:00 – 16:00 SESSION 3. Human Resources and Knowledge Transfer for the Nuclear Sector
   Chair: Thomas Mazour, IAEA

17. Discussion of Issues and Terminology for Knowledge Transfer, particularly tacit knowledge transfer
   *Thomas Mazour*, IAEA

18. Experience with Knowledge Management at GRS, Part 2 - Capturing expert knowledge and knowledge preservation
   *D. Beraha, T. Heigl, P. Puhr-Westerheide*, Germany

19. Capturing Tacit Knowledge
   *Robert Workman*, IAEA

MORNING BREAK  10:30 – 11:00

20. Capturing Tacit Knowledge - Practical session
   Working Group 1: Knowledge Capture (*A. Kossilov*)
   Working Group 2: Knowledge Transfer (*T. Mazour*)
   Working Group 3: Knowledge Gaps (*Y. Yanev*)
   Working Group 4: Knowledge Targets (*R. Workman*)

21. Knowledge Management Initiatives at MINT
   *Rapieh Aminuddin*, Malaysia

LUNCH  12:30 – 13:30

22. Database approaches to safety case information capture interrogation, and maintenance
   *Clive Kingsley Bright*, UK

   *Luis Ernesto Pérez Andraca*, Chile
24. TVA’s Approach to Retaining Critical Knowledge, (overview)  
   *Ed Boyles, USA*

25. TVA’s Approach to Retaining Critical Knowledge, (demonstration)  
   *Ed Boyles, USA*

**AFTERNOON BREAK 15:30 – 16:00**

16:00 - 17:00  
**Panel Discussion:**  
2. Attributes of Effective Knowledge Management Programme (part I)  
Chair: Robert Workman/ Thomas Mazour

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**Thursday, 25 August 2005**

09:00 - 16:00  
**SESSION 4. Managing and Preserving Knowledge in Nuclear Sector**  
Chair: Andrei Kossilov, IAEA

26. Knowledge Preservation for Nuclear Power Plants  
   *Andrei Kossilov, IAEA*

27. The German Approach to Nuclear Knowledge Management  
   *Michael Petri, Germany*

28. Managing Nuclear Safety Knowledge at IAEA  
   *Lars Ulfkjaer, IAEA*

**MORNING BREAK 10:30 – 11:00**

29. Nuclear Knowledge Management at the Canadian Nuclear Safety Commission  
   *Bonnie Duff, Canada*

30. Asian Nuclear Safety Network (ANSN), a regional network to analyse, pool and share nuclear safety knowledge  
   *Lars Ulfkjaer, IAEA*

31. Management of Nuclear Knowledge at the Slovak Regulatory Body  
   *Jan Husarcek, Slovak Republic*

**LUNCH 12:30 – 13:30**

32. Knowledge Management at the National Commission for Nuclear Activities Control and Related Support provided by International Co-operation  
   *Florentina Ivan, Romania*

33. Equipment qualification database as a practical tool for a preservation of nuclear knowledge at Ignalina NPP  
   *Liubov Alejeva, Lithuania*

34. Nuclear Knowledge Management in Thailand  
   *Kanokrat Tiyapun, Thailand*
35. Technology Transfer of High Tech Products developed at BARC  
   Preeti Pal, India

**AFTERNOON BREAK**  
15:30 - 16:00

16:00 - 17:00  
Panel Discussion: Attributes of an Effective Knowledge Management Programme (part II)  
Chair: Yanko Yanev/Ed Boyles/Andrei Kossilov

Friday, 26 August 2005

9:00 - 13:30  
SESSION 5. Networking for Education, Training and Knowledge Transfer  
Chair: Yanko Yanev, IAEA

36. The World Nuclear University: Achievements and Perspectives  
   Yanko Yanev, IAEA
37. The Role of The European Nuclear Education Network Association in the Management of Nuclear Knowledge  
   P. P. De Regge, the ENEN Association
38. Teaching non-power nuclear specialties and connection with the working world: the experience at the Pavia's II level Master on “Nuclear and Ionizing Radiations Technologies (TNRI)”  
   A. Faucitano, Italy

**MORNING BREAK**  
10:30 - 11:00

39. Asian Network for Education in Nuclear Technology (ANENT): An initiative to promote education and training in nuclear technology  
   Andrei Kossilov, IAEA
40. Networking for capturing and preserving existing knowledge  
   Claudia Leonor VETERE, Argentina
41. The “Eugene Wigner Course”, an example of international cooperation in nuclear education  
   Csaba Sukosd, Hungary

**LUNCH**  
12:30 - 13:30

13:30 - 14:30  
Closing Discussion  
Chair: Yanko Yanev, Andrei Kossilov, IAEA