



the **abdus salam** international centre for
theoretical physics



L1-TM-27258

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

26.08.2005

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

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
9. Experience with Knowledge Management at GRS, Part 1 – Document and Information Management
D. Beraha, T. Heigl, P. Pühr-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

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 CooperationChair: 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

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

22. Database approaches to safety case information capture interrogation, and maintenance
Clive Kingsley Bright, UK
23. Strategic Planning for Human Resource Management at the Chilean Commission for Nuclear Energy
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:**
- 1. Capturing Tacit Knowledge. Summary of Working Group Discussions.**
 - 2. Attributes of Effective Knowledge Management Programme (part I)**
- Chair: Robert Workman/ Thomas Mazour

Thursday, 25 August 2005

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

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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
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Friday, 26 August 2005

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