



Workshop on IAEA Tools for Nuclear Energy System Assessment (NESA) for Long-Term Planning and Development

Technical Cooperation Project: INT/4/142. “Promoting Technology Development and Application of
Future Nuclear Energy Systems in Developing Countries”

IAEA HQs, Vienna (Austria). 20-23 July, 2009. C04 Board Room

PROGRAMME

Final version: 17th July, 2009

Date and Time	Topic	Lecturer
First day: Monday, 20th July		
09.30 – 10.30	<ul style="list-style-type: none"> - Welcome and Opening Remarks by the DDG-NE - Appointment of chairs for each day - Workshop perspective, by Technical Cooperation - Presentation of the Workshop Program - Self-introduction of the participants 	<p>Mr Y. Sokolov</p> <p>Mr I. Videnovic Mr P. Villalibre All</p>
Session 1: Integrated approach on Energy Planning and on Nuclear Energy development		
10.30 – 11.15	<p>Conceptual framework of integrated approach for long-term Energy Development and NESA.</p> <p>Discussion</p>	<p>Mr I. Jalal, and Mr R. Beatty</p> <p>All</p>
11:15 – 11.45	<i>Morning Break</i>	
Session 2: Energy assessment for long-term planning		
11.45 – 12.30	<p>Energy and Sustainable Development</p> <p><i>Discussion</i></p>	Mr M. Howells
12.30 – 14.00	<i>Break for Lunch</i>	
14.00 – 14.45	<p>Continuation of Session 2</p> <p>Methodology and tools for Energy Planning</p> <p><i>Discussion</i></p>	Mr K.Y. Nam
14.45 – 15.30	<p>Indicators for Sustainable Energy Development</p> <p><i>Discussion</i></p>	Mr R.A. Roehrl
15.30 – 15.50	<i>Afternoon Break</i>	

15.50 – 17.00	Capacity building <i>Closing discussion of the session</i>	Mr I. Jalal
Second day: Tuesday, 21st July		
Session 3: NESAs using INPRO Methodology		
09.00 – 09.45	Introduction and Overview to the Methodology <i>Discussion</i>	Mr F. Depisch
09.45 – 10.15	INPRO Assessment on the area of Economics	Mr P. Florido
10.15 – 10.45	<i>Morning Break</i>	
10.45 – 11.15	INPRO Assessment on the area of Infrastructure	Mr T. Mazour
11.15 – 11.45	INPRO Assessment on the area of Waste Management	Mr Z. Drace
11.45 – 12.15	INPRO Assessment on the area of Proliferation Resistance	Mr B. Moran
12.15 – 13.45	<i>Break for Lunch</i>	
13.45 – 14.15	INPRO Assessment on the area of Physical Protection	Mr M. Gregoric
14.15 – 14.45	INPRO Assessment on the area of Environment (stressors and resources)	Mr S. Fesenko
14.45 – 15.10	INPRO Assessment on the area of Safety (Reactor)	NSNI representatives ¹
15.10 - 15.30	INPRO Assessment on the area of Safety (Fuel Cycle facilities)	NSNI representatives
15.30 – 16.00	<i>Afternoon Break</i>	
16.00 – 16.30	Summary of lessons learned and benefits from case studies performed by INPRO Members	Mr R. Beatty
16.30 – 16.45	Discussion	All
16.45 – 17.30	NESA Support Package Discussion	Mr R. Beatty
18.30	Hospitality event (<i>dinner offered by the IAEA</i>)	

¹ Messrs M. Modro, J. Jones and F. Lignini

Third day: Wednesday, 22nd July

Session 4: Case studies and future plan

09.00 – 09.30 09.30 – 10.00	Experience from Member States: 1) Energy planning Experience from Ghana. Discussion Experience from Vietnam. Discussion	Mr J. Mawunyo Mr Doan Phac Le
10.00 – 10.30 10.30 – 11.00	2) Case studies using INPRO Methodology Ukraine Brazil	Mr E. Nearonov Mr O. Gonçalves
11.00 – 11.20	<i>Morning Break</i>	
11.20 – 11.40 11.40 – 12.00 12.00 – 12.15	Future Plans: 1) Future Plans on energy planning development tools 2) INPRO Action Plan for 2010 and 2011 Common discussion	Mr I. Jalal Mr P. Gowin
12.15 – 13.45	<i>Break for Lunch</i>	

Session 5: Additional IAEA-INPRO tools to support NE deployment

13.45 – 14.15 14.15 – 14.35 14.35 – 14.55	1) Tools for Lifecycle analyses: - DESAE code - NFCSS code (former VISTA). 2) Application to the analyses of future scenarios on global vision (CPs GAINS and FINITE).	Mr V. Tsibulsky Ms G. Fesenko Mr P. Villalibre
14.55 - 15.30	Discussion	
15.30 – 16.00	<i>Afternoon Break</i>	

Session 6: Related Infrastructure activities

16.00 – 16.20 16.20 – 16.40 16.40 – 17.00	Nuclear Infrastructure development for Newcomers Milestones document. Integrated Nuclear Infrastructure Review Missions (INIR) Discussion	Mr T. Mazour Mr T. Mazour
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Questionnaires will be collected (level of satisfaction with the WS)

Fourth day: Thursday, 23rd July

Session 7: Needs from Member States and Summary

09.00 – 09.15	Statement from the DDG-TC	Ms A.M. Cetto
09.15 – 09.45	National and regional support from TC to MSs interested to use the IAEA tools for energy development and NESAs. Discussion	Mr I. Videnovic
09.45 – 10.30	Comments and suggestions from the participants <i>Participants are invited to present comments and suggestions (expected 2-3 slides each).</i> <i>Potential aspects to be taken into account include:</i> Are the tools sufficient? Needs of further development, which kind? (e.g. databases, other support packages). Additional technical/financial support required (e.g. training and documentation).	Participants interested
10.30 – 11.00	<i>Morning Break</i>	
11.00 – 11.30	Comments and suggestions from the participants (continued)	Participants interested
11.30 – 12.00	Draft summary report from the Workshop <i>(Taking into account the evaluation of the questionnaire and the notes from the Sessions)</i>	Messrs Jalal / Villalibre
12.00 – 12.30	Time available for discussions	
12.30	Closing of the Workshop	