



**TM/WS**  
**TOPICAL ISSUES ON INFRASTRUCTURE DEVELOPMENT:**  
**MANAGING THE DEVELOPMENT OF NATIONAL INFRASTRUCTURE FOR**  
**NUCLEAR POWER**  
**Vienna, 9-12 February 2010**  
**Austria Centre-Hall I**

*Presentations, materials and summary will be posted to the IAEA website after the workshop*

<b>TUESDAY 9 FEBRUARY 2010</b>		
<b>MORNING</b>		
9,30	<b>IAEA</b> Opening remarks	<b>Mr. Yury SOKOLOV</b> Deputy Director General IAEA – Department of Nuclear Energy
9,40	<b>INTRODUCTION</b> Chairman	<b>Mr. W. H. RASIN</b> USA/IAEA Consultant
9,50	<b>IAEA</b> Nuclear Safety Infrastructure Development	<b>Mr. Philippe JAMET</b> Director NSNI IAEA - Department of Nuclear Safety & Security
10,00	<b>IAEA</b> Nuclear Power Infrastructure Development	<b>Mr. Pal VINCZE</b> Section Head Nuclear Power Engineering Section IAEA - Department of Nuclear Energy
<b>SESSION 1: National Strategy for the Development of Infrastructure for Nuclear Power</b>		
10,10	<b>CHILE</b> The Chilean strategy for National Nuclear Power Program	<b>Mr. Juan José RIVAS</b> Comision Nacional de Energia
10,30	<b>COFFEE BREAK</b>	
11,00	<b>Hashemite Kingdom of JORDAN</b> Challenges and Opportunities for National Nuclear Infrastructure: The Case of Jordan.	<b>Mr Kamal ARAJ</b> Jordan Atomic Energy Commission
11,20	<b>Arab Republic of EGYPT</b> Egyptian Nuclear Program Strategy and Infrastructure Development Action Plan	<b>Mr. Mostafa Aly EL-ASIRY</b> Nuclear Power Plant Authority
	General Information on the Status of the Egyptian Nuclear Regulation Legislation	<b>Mr. Abdel-Hamid NADA</b> Egypt Atomic Energy Authority
11,50	<b>INDONESIA</b> National strategy for Nuclear Power Programme infrastructure and status of implementation	<b>Mr. Achmad Sarwiyana SASTRATENAYA</b> National Nuclear Energy Agency of Indonesia (BATAN)
12,10	<b>MALAYSIA</b> Nuclear Regulatory Infrastructure in Malaysia	<b>Ms. Noor Fitriah BAKRI</b> Atomic Energy Licensing Board
12,30	<b>LUNCH BREAK</b>	



**TUESDAY 9 FEBRUARY 2010**  
**AFTERNOON**

14,00	<b>POLAND</b> Nuclear Power Program. Polish strategy and status of implementation	<b>Mr. Tomasz NOWACKI</b> Ministry of Economy
14,20	<b>Kingdom of THAILAND</b> Managing the Development of a National Infrastructure for the Nuclear Power in Thailand	<b>Mr. Chavalit PICHALAI</b> Nuclear Power Program Development Office Ministry of Energy, Thailand
	Regulatory Body Development	<b>Prof. Dr. Chaivat TOSKULKAO</b> Office of Atoms For Peace
14,50	<b>Republic of TUNISIA</b> Status of the National Nuclear Infrastructure Development	<b>Mr. Jomaa SOUISSI</b> Societe Tunisienne de l'electricite et du gaz (STEG)
15,10	<b>Socialist Republic of VIETNAM</b> An Overview on Building up National Infrastructure on the Way to Introduce Nuclear Power into Vietnam	<b>Ms. Thi Kim Dung LE</b> Vietnam Agency for Radiation and Nuclear Safety (VARANS)
15,30	<b>COFFEE BREAK</b>	
16,00	<b>Break-out session:</b> <b>Learned lesson and good practices in Nuclear Infrastructure Development</b>	
	<b>Group 1:</b> Algeria, Cambodia, Ghana, Kuwait, Morocco, Sultanate of Oman, Sudan, Tanzania and Tunisia. Meeting room: <b>IAEA F 0814</b>	<b>Moderator:</b> M. Aoki, IAEA
	<b>Group 2:</b> Argentina, Chile, Indonesia, Malaysia, Mexico, Philippines, Saudi Arabia, Thailand and Uruguay. Meeting room: <b>IAEA F 0822</b>	<b>Moderator:</b> J. Bastos, IAEA
	<b>Group 3:</b> Bangladesh, Croatia, Egypt, Jordan, Montenegro, Namibia, Senegal, Syria, Vietnam and Yemen. Meeting room: <b>IAEA F 0817</b>	<b>Moderator:</b> I. Rotaru, IAEA consultant
	<b>Group 4:</b> Belarus, Georgia, Iran, Lithuania, Mongolia, Poland and Ukraine. Meeting room: <b>IAEA F 0879</b>	<b>Moderator:</b> M. Prunaiche, SNC – Lavalin Nuclear Inc
17,15	Presentation inside each group of the conclusions of the discussions	<b>Reporters</b>
17,30	<b>END OF THE DAY</b>	



**WEDNESDAY 10 FEBRUARY 2010**  
**MORNING**

9,00	<b>Conclusion on the Break-out session: Learned lesson and good practices in Nuclear Infrastructure Development</b>	<b>Reporters:</b>
<b>Session 2: National Strategy and strategic plans for Human Resources Development for Nuclear Power Programme</b>		
9,20	<b>IAEA</b> Ongoing IAEA Activities on HR Development for Newcomers: Services and Guidance	<b>Mr. Zoltan PASZTORY</b> Nuclear Knowledge Management Unit IAEA - Department of Nuclear Energy
9,35	<b>IAEA</b> Human Resources Development in the Field of Nuclear Safety	<b>Mr. Jose BASTOS</b> NSNI IAEA - Department of Nuclear Safety & Security
9,50	<b>WANO</b> How WANO can help new entrants developing a strong nuclear safety culture.	<b>Mr. Jan BENS</b> WANO Paris Center
10,10	<b>USA</b> Human Resource modelling tools for Nuclear Power program.	<b>Mr. Kris KERN</b> LANL, USA
10,30	<b>COFFEE BREAK</b>	
11,00	<b>RUSSIAN FEDERATION</b> Cooperation experience of Central Institute and Concern "Rosenergoatom" in Continuing Education and Training of managers for nuclear power industry.	<b>Mr. Vladimir ARTISYUK</b> Central Institute for Continuing Education and Training <b>Mr. Sergey AKSINENKO</b> Rosenergoatom
11,30	<b>ROMANIA</b> Romanian Nuclear Safety Authority Experiences on Human Resources Development	<b>Mr. Lucian BIRO</b> National Commission for Control of Nuclear Activities (CNCAN)
	Romanian Experience in training and qualification of the Owner/Operator for Unit 1 of Cernavoda NPP	<b>Mr. Ioan ROTARU</b> IAEA Consultant
12,00	<b>POLAND and FRANCE</b> A Polish –French initiative of teacher's training in nuclear engineering	<b>Mr. Claude GUET</b> Commissariat à l'Énergie Atomique - France <b>Mr. Tomasz NOWACKI</b> Ministry of Economy - Poland
12,30	<b>LUNCH BREAK</b>	



**WEDNESDAY 10 FEBRUARY 2010**  
**AFTERNOON**

14,00	<b>GHANA</b> Human Resource capacity building for the introduction of nuclear power	<b>Mr. Geoffrey EMI-REYNOLDS</b> Atomic Energy Commission
14,20	<b>Republic of BELARUS</b> Current Status of National Nuclear Infrastructure and Human Resources Development	<b>Mr. Vasili PALIUKHOVICH</b> Department on Nuclear and Radiation Safety <b>Ms. Ina SILITSKAYA</b> Ministry of Energy
14,50	<b>SUDAN</b> Human Resources Development for Nuclear Power Programme	<b>Mr. Farouk Idris HABBANI</b> University of Khartoum
15,10	<b>ALGERIA</b> Nuclear power programme: status, needs and perspectives	<b>Mr. Rachedi MENADI</b> Ministry of Energy and Mining
15,30	<b>COFFEE BREAK</b>	
16,00	<b>Break-out session:</b> <b>Learned lesson and good practices in Human Resources Development</b>	
	<b>Group 1:</b> Algeria, Cambodia, Ghana, Kuwait, Morocco, Sultanate of Oman, Sudan, Tanzania and Tunisia. Meeting room: <b>IAEA F 0814</b>	<b>Moderator:</b> Lucian Biro, Romania
	<b>Group 2:</b> Argentina, Chile, Indonesia, Malaysia, Mexico, Philippines, Saudi Arabia, Thailand and Uruguay. Meeting room: <b>IAEA F 0822</b>	<b>Moderator:</b> Alain Cardoso, IAEA
	<b>Group 3:</b> Bangladesh, Croatia, Egypt, Jordan, Montenegro, Namibia, Senegal, Syria, Vietnam and Yemen. Meeting room: <b>IAEA F 0817</b>	<b>Moderator:</b> I. Rotaru, IAEA consultant
	<b>Group 4:</b> Belarus, Georgia, Iran, Lithuania, Mongolia, Poland and Ukraine. Meeting room: <b>IAEA F 0879</b>	<b>Moderator:</b> Zoltan Pasztory, IAEA
17,15	Presentation inside each group of the conclusions of the discussions	<b>Reporters</b>
17,30	<b>END OF THE DAY</b>	

18,00	<b>WINE AND CHEESE PARTY – VIC restaurant</b>	
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**THURSDAY 11 FEBRUARY 2010**  
**MORNING**

9,00	<b>Conclusion on the Break-out session: Learned lesson and good practices in Human Resources Development</b>	<b>Reporters</b>
<b>Session 3: Capacity building in specific areas</b>		
<b>Panel 1: Building National Capabilities for Safeguards</b>		
<b>Co-chair: Bruce MORAN, IAEA, SH Concept and Approach</b>		
9,20	<b>IAEA</b> Capacity building for Safeguards: an IAEA perspective	<b>Mr. Jean Maurice CRETE</b> IAEA - Department of Safeguards
9,35	<b>Socialist Republic of VIETNAM</b> Building National Capabilities for Safeguards	<b>Ms. Thi Kim Dung LE</b> Vietnam Agency for Radiation and Nuclear Safety (VARANS)
9,50	<b>Hashemite Kingdom of JORDAN</b> Building of the National Capabilities for Safeguards	<b>Mr. Nour-Eldin ABUTALEB</b> Atomic Energy Commission
10,05	<b>EUROPEAN COMMISSION</b> Support from EC for development of Safeguards infrastructure	<b>Mr. Sotiris SYNETOS</b> DG for Energy and Transport
10,20	<b>USA</b> Harmonization of Nuclear Safeguards Infrastructure Development	<b>Mr. Matthew VAN SICKLE</b> Department of Energy National Nuclear Security Administration
10,35	<b>IAEA</b> Panel 1 Co-chairman closing remarks	<b>Mr. Bruce MORAN</b> IAEA – SH Concept and Approach
10,40	<b>COFFEE BREAK</b>	
<b>Session 3: Capacity building in specific areas</b>		
<b>Panel 2: Building National Capabilities for Security</b>		
<b>Co-chairman: Mr. Miroslav GREGORIC, IAEA, SH Prevention</b>		
11,00	<b>IAEA</b> Support for the development of infrastructure in the area of Physical Protection	<b>Mr. Arvydas STADALNIKAS</b> NSNS IAEA - Department of Nuclear Safety & Security
11,20	<b>MALAYSIA</b> Status and strategy of Nuclear Security.	<b>Ms. Noor Fitriah BAKRI</b> Atomic Energy Licensing Board
11,40	<b>CHILE</b> Security System in a Non Nuclear Power Country	<b>Mr. Mauricio LICHTENBERG</b> Chilean Nuclear Energy Commission
12,00	<b>ROMANIA</b> Romanian Nuclear Safety Authority Experiences on Building the National Capability for Nuclear Security	<b>Mr. Lucian BIRO</b> National Commission for Control of Nuclear Activities (CNCAN)
12,20	<b>IAEA</b> Panel 1 Co-chairman closing remarks	<b>Mr. Miroslav GREGORIC</b> IAEA – SH Prevention
12,30	<b>LUNCH BREAK</b>	



**THURSDAY 11 FEBRUARY 2010**  
**AFTERNOON**

**Session 4: Potential Additional Assistance for Nuclear Infrastructure Development**

14,00	<b>JAPAN</b> Potential Assistance for National Nuclear Infrastructure Development	<b>Mr. Akira IZUMO</b> Ministry of Economy, Trade and Industry
14,15	<b>IAEA</b> Safety Guide on Safety Infrastructure for Embarking Countries	<b>Mr. Gustavo CARUSO</b> Section Head Regulatory Activities Section IAEA - Department of Nuclear Safety & Security
14,30	<b>IAEA</b> Directions for Strengthening the Agency's Assistance to Countries Considering or Introducing Nuclear Power	<b>Mr. Alan Mc Donald</b> Programme Coordination Group IAEA - Department of Nuclear Energy
14,45	<b>Questions and answers</b>	
15,00	<b>COFFEE BREAK</b>	
<b>Session 5: Lessons learned from experience. NPP Vendor perspectives.</b>		
<b>Co-chairman: Mr. Paul M. MURPHY, Bechtel Power Corporation, USA</b>		
15,30	<b>AECL Canada</b> AECL perspectives on newcomer NPP owners: lessons from the Cernavoda experience	<b>Mr. John SAROUDIS</b>
15,50	<b>AREVA France</b> Expectations regarding Nuclear Infrastructures in Newcomers Countries	<b>Mr. Andrew TELLER</b>
16,10	<b>ATOMSTROYEXPORT Russian Federation</b> Practices of collaboration with local industry in projects of NPP construction worldwide	<b>Mr. Leonid YANKO</b>
16,30	<b>WESTINGHOUSE USA</b> Nuclear Power Reactor Integration in a developing grid infrastructure	<b>Mr. Alan PALIN</b>
16,50	<b>Hitachi-GE Nuclear Energy Ltd Japan</b> Main Infrastructure Preparation and Local Human Resource Development for First Nuclear Power Plant Construction	<b>Mr. Fumio MURATA</b>
17,15	<b>END OF THE DAY</b>	



**FRIDAY 12 FEBRUARY 2010  
MORNING**

9,00	<b>Break-out session: Learned lesson from experience of the NPP Vendor perspective.</b>	
	<b>Group 1:</b> Algeria, Cambodia, Ghana, Kuwait, Morocco, Sultanate of Oman, Sudan, Tanzania and Tunisia. Meeting room: <b>IAEA F 0814</b>	<b>Moderator:</b> Andrew TELLER, Areva
	<b>Group 2:</b> Argentina, Chile, Indonesia, Malaysia, Mexico, Philippines, Saudi Arabia, Thailand and Uruguay. Meeting room: <b>IAEA F 0822</b>	<b>Moderator:</b> John SAROUDIS, AECL
	<b>Group 3:</b> Bangladesh, Croatia, Egypt, Jordan, Montenegro, Namibia, Senegal, Syria, Vietnam and Yemen. Meeting room: <b>IAEA F 0817</b>	<b>Moderator:</b> Alan PALIN, Westinghouse
	<b>Group 4:</b> Belarus, Georgia, Iran, Lithuania, Mongolia, Poland and Ukraine. Meeting room: <b>IAEA F 0879</b>	<b>Moderator:</b> Leonid YANKO, Atomstroyexport
10,00	Presentation inside each group of the conclusions of the discussions	<b>Reporters</b>
10,20	<b>COFFEE BREAK</b>	
10,50	<b>Conclusion on the Break-out session: Learned lesson from experience of the NPP Vendor perspective.</b>	<b>Reporters</b>
<b>Session 6: Key Note speaker</b>		
11,15	<b>CHILE</b> Development of National Nuclear Power Program	<b>Mr. Marcelo TOKMAN</b> Energy Minister
12,00	TM/WS Chairman's Summary	<b>Mr. W. H. RASIN</b> USA/IAEA Consultant
12,30	<b>IAEA</b> Conclusions for the Agency Thanks & closure of the meeting	<b>Mr. J. K. PARK</b> Director Division of Nuclear Power IAEA - Department of Nuclear Energy

**Scientific Secretaries:**

Ms. Anne STARZ  
Mr. Masahiro AOKI  
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