

Group Fellowship Training on Developing National Long-Range Nuclear Energy Strategies

Argonne National Laboratory, Argonne, Illinois, 20 – 31 August 2012

Schedule Week 1: 20-25 August 2012

Draft Agenda [PESS-part]

Time	Monday 20 August	Tuesday 21 August	Wednesday 22 August	Thursday 23 August	Friday 24 August
9:00 - 10:30	Opening Ceremony Overview of the Workshop (Argonne Safety Procedure) IAEA/ANL	ANL's Tools for Energy Planning G. CONZELMANN (ANL)	Electric Power System Expansion Planning V. KORITAROV (ANL)	Dynamic Programming Models for Capacity Expansion Planning V. KORITAROV (ANL)	Status and Long Term Trends of Global Nuclear Power Development I. CONCHA-PERDOMO (IAEA)
10:30 - 10:45	Coffee/Tea Break				
10:45 - 12:00	Needs for Long Term Energy Strategies R. CIRILLO (ANL)	DEMO/WORK SESSION Developing a Simple Energy Network G. CONZELMANN (ANL)	Modeling Approaches for Capacity Expansion Planning V. KORITAROV (ANL)	DEMO/WORK SESSION Dynamic Programming Analysis Simulation Results V. KORITAROV (ANL)	Tools for the Analysis of Nuclear Energy Systems I. CONCHA-PERDOMO (IAEA)
12:00 - 13:30	Lunch Break				
13:30 - 15:00	Energy and Sustainable Development I. CONCHA-PERDOMO (IAEA)	WORK SESSION Simple Energy Network Simulations Course Participants	Screening Curve Approach for Technology Comparisons V. KORITAROV (ANL)	Analytical Tools for Electricity Market Assessment G. CONZELMANN (ANL)	Modeling Nuclear power and fuel cycle I. CONCHA-PERDOMO (IAEA)
15:00 - 15:15	Coffee/Tea Break				
15:15 - 16:45	WORK SESSION Familiarization with Working Site Course Participants	IAEA's Analytical Tools for Analysis of Energy Options I. CONCHA-PERDOMO (IAEA)	WORK SESSION Screening Curve Analysis Course Participants	DEMO/WORK SESSION Analytical Tools for Electricity Market Assessment V. KORITAROV (ANL)	WORK SESSION Developing Case Studies Course Participants

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Schedule Week 2: 27-31 August 2012

Draft Agenda [INPRO-part]

Time	Monday 27 August	Tuesday 28 August	Wednesday 29 August	Thursday 30 August	Friday 31 August
9:00 - 10:30	Introduction to INPRO project R. BEATTY (IAEA)	Infrastructure C. ALLAN (IAEA)	Waste Management (WM) C. ALLAN (IAEA)	INPRO Proliferation Resistance (PR) R BEATTY (IAEA)	PRESENTATIONS Results from working sessions. Course Participants
	Introduction to INPRO methodology and NESAs C.ALLAN (IAEA)	WORK SESSION Infrastructure Quiz	WORK SESSION Waste Management Quiz	WORK SESSION Proliferation Resistance Quiz	
	WORK SESSION Quiz on the INPRO methodology				
10:30 - 10:45	Coffee/Tea Break				
10:45 - 12:15	Modelling of NES R. BEATTY (IAEA)	WORK SESSION Infrastructure Exercise	WORK SESSION Waste Management Exercise	Environment C. ALLAN (IAEA)	Closing Session: ANL/R. BEATTY
	Reactor selection process R. BEATTY (IAEA)			WORK SESSION Environment Quiz	
12:15 - 13:45	Lunch Break				
13:45 – 15:15	Economics C. ALLAN (IAEA)	Safety (reactors) R. BEATTY (IAEA)	INPRO Physical Protection R BEATTY (IAEA)	WORK SESSION Environment Exercise	
	WORK SESSION Economics Quiz	Safety (NFCF) R. BEATTY (IAEA)	WORK SESSION Physical Protection Quiz		
	Economics (continued) NEST R. BEATTY (IAEA)				
15:15 - 15:30	Coffee/Tea Break				
15:30 – 17:00	WORK SESSION NEST applications	WORK SESSION Safety Quiz	WORK SESSION Physical Protection Exercise	Experience with NESAs (Belarus and TECDOC 1636) R. BEATTY (IAEA)	
		WORK SESSION Safety Exercise			