



## EC - INSC Project MC3.01/13

EC Contract N° NSI/2014/343-969

“Training and Tutoring for experts of the NRAs and their TSOs for developing or strengthening their regulatory and technical capabilities”

## Regional Training Course

# Radiation Protection and Regulatory Emergency Preparedness

organized by ITER-Consult in South - East Asia Region

**Bangkok – May 23 - 27, 2016**

Grand Mercure Bangkok Fortune Hotel

1 Rachadaphisek Road - Fortune Town – Dindaeng - BANGKOK - THAILAND

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## Course Objective

The training course will present and discuss the objective, content and responsibilities for the radiation protection and emergency preparedness with focus on the function and responsibility of the Nuclear Regulator. The structure and content of a typical emergency plan and emergency zoning (with reference to both on-site and off-site emergency plan), definition of roles and identification of responsibilities of government, operator and regulator, and their interfaces, will be presented and discussed. Links with international conventions and obligations will be addressed.

The role of the regulator in supporting the government in decision making during an emergency will be detailed. The training will also cover: aspects related to source term estimation and environmental monitoring, periodic drills of the emergency preparedness, lessons learned from Fukushima accident, public communication in normal operation and during and after emergencies.

Reference legal instruments, standards and requirement will be addressed.

Practical Application is included in the training programme.



## Course Daily Program

Monday 23 <sup>th</sup> May, 2016	
08.30 - 09.00	Registration
9.00 – 13.00	Welcome Organizational aspects, Training objective, Training program – A. Madonna (ITER)
	EU infrastructure for Radiation Protection and Nuclear Safety – A. Madonna (ITER)
	Role and responsibilities of a Nuclear Regulatory Authority – A. Madonna (ITER)
13.00 – 14.00	Lunch
14.00 – 17.00	Essentials of Radiation Protection – K. Tiyapan, (TINT)
	Basic notions of radiation protection for nuclear and radiological emergencies – C. Osimani (ITER)

Tuesday 24 <sup>th</sup> May, 2016	
9.00 – 13.00	Nuclear and radiological emergencies: an overview – C. Osimani (ITER)
	On-site nuclear emergency plans – C. Osimani (ITER)
	Off-site nuclear emergency plan: organization, requirements and periodic drills – G. Petőfi (HAEA)
13.00 – 14.00	Lunch
14.00 – 17.00	Early phase countermeasures - G. Petőfi (HAEA)
	Late phase countermeasures - G. Petőfi (HAEA)
	Regulatory role for Nuclear emergency – A. Madonna (ITER)

Wednesday 25 <sup>th</sup> May, 2016	
9.00 – 13.00	Transfer processes of released radioactivity to man and environment – G. Petőfi (HAEA)
	Atmospheric dispersion: interpretation of model and measurements results – G. Petőfi (HAEA)
13.00 – 14.00	Lunch
13.00 – 17.00	Environmental monitoring and data management - G. Petőfi (HAEA)
	Triage, monitoring and treatment of people exposed to ionizing radiation – G. Petőfi (HAEA)

Thursday 26 <sup>th</sup> May, 2016	
9.00 – 13.00	Organization of nuclear and radiological emergency exercises – C. Devera (PNRI)
	Legally binding national and international instruments related to emergency preparedness - C. Devera (PNRI)
	Legal requirements on data notification & information exchange – N. Zeleznik (ITER)
13.00 – 14.00	Lunch
14.00 – 17.00	<b>Practical Application</b>

Friday 27 <sup>th</sup> May, 2016	
9.00 – 13.00	Lessons learned from other historical radiological accidents – N. Zeleznik (ITER)
	EU requirements for EP&R – N. Zeleznik (ITER)
	Public communication during normal and emergency conditions – K. Slavcheva, N. Zeleznik (ITER)
13.00 – 14.00	Lunch
14.00 – 17.00	Course summary
	Questionnaire
	Opinion from trainees
	Training Minutes
	Certificates