



## 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

### “EU acquis, legal and regulatory framework, regulatory role & responsibilities for nuclear & radiation safety”

organized by ITER-Consult in cooperation with ANNuR

**Hammamet, Tunisia – September 10 – 14, 2018**

## Course Objective

The training course will introduce and discuss the requirements associated to the process to establish the legal and regulatory framework, to define the roles of main components of a nuclear infrastructure and to establish effective nuclear regulatory functions, responsibilities and elements of independence

The current EU Infrastructure for N&R safety will be introduced. The EU Acquis in the field of nuclear and radiation (N&R) safety, the EU Directives for nuclear safety, for RW and the EU Directive for Basic Safety Standards (BSS) will be presented and commented. Particular attention will be given to the EU requirements for radiation protection as described in the BSS Directive 59/2013. Reference to international legal instruments & IAEA safety standards will be provided.

The needed capacity and competences of the Nuclear Regulatory Authority (NRA) to perform the functions of regulation, technical review, inspection and enforcement and its responsibilities and capacity to manage the interface with the licensee will be presented and discussed.

The approaches and EU practices for licensing process and regulatory inspections (and enforcement) will be shown focussing on both: nuclear and radiation facilities.

Practical examples and applications are included in the training course program.



resources & energy

## Course Daily Program

Wednesday - September 12th, 2018	
9.00 – 13.00	Management of Radioactive sources - M . Ben Rhouma (CNRP)
	Emergency preparedness and regulatory function during a nuclear/radiological emergency – A. Riahi (CNSTN)
13.00 – 14.00	Lunch
14.00 – 17.00	EU Directive on Basic Safety Standards for protection of workers, public and environment (BSS) - M. Dionisi (ISPRA), R. Remetti (ITER)
	Role of Radiation protection Expert (RPE) and Radiation Protection officer (RPO) - R. Remetti (ITER), A. Principe (ISPRA)
	Role of Medical physics expert (MPE) - R. Remetti, L. Strigari (ITER)

Thursday - September 13th, 2018	
9.00 – 13.00	Regulatory inspections on medical application of RS - R. Remetti, L. Strigari (ITER)
	Protection from natural sources of radiation (NORM) and regulatory requirements – N. Zeleznik, R. Remetti (ITER)
13.00 – 14.00	Lunch
14.00 – 17.00	<b>Practical Applications on :</b> a. “Protection from Radon indoor” b. “Medical applications of ionizing radiations”

Friday - September 14th, 2018	
9.00 – 13.00	Security and physical protection of nuclear facilities - D. Mosbah (ANNuR)
	International cooperation – A. Madonna (ITER)
	External support to regulatory authority – L. Cizelj (JSI), A. Madonna (ITER)
	Regulatory transparency - A. Madonna , K. Slavcheva (ITER)
13.00 – 14.00	Lunch
14.00 – 17.00	Course summary
	Questionnaire
	Opinion from trainees
	Training Minutes
	Certificates awarding

Monday – September 10th, 2018	
08.30 – 9.00	Registration
9.00 – 13.00	Welcome, Organizational Aspects, Training Objective, Training Program (ANNuR, ITER)
	Presentation of ANNuR network - D. Mosbah (ANNuR)
	EU legal framework and infrastructure for Nuclear and Radiation Safety – A. Madonna (ITER)
	IAEA role and function - M. Gasparini (ITER)
13.00 – 14.00	Lunch
14.00– 17.00	Development of nuclear infrastructure in new countries – M. Gregoric, A. Madonna (ITER)
	Role and function of the NRA – M. Dionisi (ISPRA), A. Madonna (ITER)
	Elements of regulatory independence and funding – M. Gregoric, A. Madonna (ITER)

Tuesday - September 11th, 2018	
9.00 – 13.00	Resources, competences and staff of a NRA – N. Vlahov (BNRA)
	Legal & regulatory framework, development of regulations and guides, international legal instruments - N. Vlahov (BNRA)
	Regulatory inspections for Nuclear facilities and enforcement – M . Ben Rhouma (CNRP)
13.00 – 14.00	Lunch
14.00 – 17.00	EU Directive on Nuclear Safety - N. Vlahov (BNRA)
	EU Directive on RW and SF management – N. Vlahov (BNRA), M. Dionisi (ISPRA)
	Regulatory licensing function, licensing process and licensing steps – M. Dionisi (ISPRA), A. Madonna (ITER)