

Training Course on Dosimetry and Emergency Preparedness, 18th to 21st September 2023, €EAE in Athens, Greece

	Monday, 18th September	Tuesday, 19th September	Wednesday, 20th September	Thursday, 21st September		
	Dosimetry	Emergency	Technology	Practice / in-field measurements	LP/AB	
9:00	Registration (9:00-9:30)	Possible radiological effects of a nuclear explosion	Drohne mounted systems for Alpha-Detection	Recapitulation of basics Introduction of work task	LP/AB	9:00
9:15						9:15
9:30	Welcome & Opening		Drohne mounted systems for Gamma-Detection	Available instruments		9:30
9:45	Introduction: EEAE	Priorities & Medical Management injuries come first than dosimetry	Practical use of a drone for measurement in highly contaminated areas	Measurements	LP	9:45
10:00	Overview about EEAE			Detector choice	DC	10:00
10:15						10:15
10:30	Introduction of lecturers	Coffee Break	Coffee Break	Coffee Break		10:30
10:45	Coffee Break	The role of IAEA, framework, ruelbooks, data bases, training	Training Session III	Measurements	LP	10:45
11:00	General framework for emergencies: what could happen in general (chemical, biological, nuclear, etc.)				DC	11:00
11:15					SSM_2	11:15
11:30	Dosimetry concept I: From Physical and Protection Quantities	Emergency Preparedness and Response Arrangements in Greece				11:30
11:45						11:45
12:00	Lunch	Lunch	Lunch	Lunch		12:00
12:15						12:15
12:30						12:30
12:45						12:45
13:00	Dosimetry concept II: Operational Quantities	Radiological situation picture for different emergency scenarios	How to Proceed in events of a nuclear or radiological emergency	Measurements	LP	13:00
13:15	"Ice Breaker"			Calibration certificates	DC	13:15
13:30	Short presentations by participants	Training Session- Part I	Decontamination procedures in an emergency field;	Measurements	LP	13:30
13:45		Emergency Planing		Uncertainties	DC	13:45
14:00		What to do....the game is on.			SSM_2	14:00
14:15	Calibration, Type Testing		Exercise: How to calculate measurement uncertainties	Feedback-Questionnaire	OH	14:15
14:30	Traceability			Tea break		14:30
14:45	Tea break	Tea break				14:45
15:00						15:00
15:15	Round Table	Training Session- Part II	Excercise to continued (linked to training next day)	Measurements	LP	15:15
15:30	Discussion with all lecturers	... continued ...		Calculating effective dose and activity of sources	DC	15:30
15:45					SSM_2	15:45
16:00	Dosimetry concepts II: Internal Dosimetry	How do you react to emergencies: coordination & communication	Measurement technology/networks for monitoring radioactivity in the environment	Whipe tests? Taking samples		16:00
16:15				Handling of found sources and how to store them safely		16:15
16:30	Retrospective Dosimetry	Regular presentation of the radiological situation in Ukraine	Overview about area and personal monitoring instrumentation (+15min?)	Summary and Lessons learned	LP	16:30
16:45					DC	16:45
17:00	Biological dosimetry: one more tool in the response to emergencies	Round Table	Round Table	Closure	OH	17:00
17:15	Appropriate Dosemeters and Choice of calibration points	Discussion with all lecturers				17:15
17:30						17:30
17:45						17:45
18:00						18:00
18:15						18:15
20:30		Conference Dinner				20:30

Version 3.0 (10th July 2023)

Lecturers:

OH Oliver Hupe (PTB)
 SK Steffen Ketelhut (PTB)
 ML Makysm Luchkov (PTB)
 DC Denis Glavič-Cindro (IJS)
 CO Claudia Olaru (IFIN-HH)
 MZ Miloš Živanović (VINS)
 NK Nikola Krzanoviv (VINS)
 LP Linda Persson (SSM)
 SSM_2 N.N. (SSM)
 AB Argiro Boziari (EEAE)
 KK Konstantinos Karfopoulos (EEAE)
 CW Clemens Woda (Bfs)
 RL Roger Luff (Bfs)
 DB Darren Bungay (UKHSA)
 LA Liz Ainsbury (UKHSA)
 MS Matt Simpson (UKHSA)
 IS Ian Speers (GRT)
 RG Rob Gougelet (GRT)

P Participants