European Radiation Dosimetry Group — EURADOS

Training Course on Dosimetry and Emergency Preparedness, 18th to21st September 2023, EEAE in Athens, Greece

	Monday, 18th September Dosimetry		Tuesday, 19th September Emergency		Wednesday, 20th September Technology		Thursday, 21st September Practice / in-field measurements	LP/AB
9:00	Registration (9:00-9:30)		Possible radiological effects of a nuclear explosion	BfS_1	Drohne mounted systems for Alpha-Detection	CO	Recapitulation of basics	LP/AB
9:15								
9:30	Welcome & Opening	OH			Drohne mounted systems for Gamma-Detection	ML		
9:45	Introduction: EEAE	AB	Priorities & Medical Management	N.N.			Measurements	LP
10:00	Overview about EEAE	AB	injuries come first than dosimetry		Practical use of a drone for measurement in highly contaminated areas	BfS_2	Detector choice	DC
10:15								
10:30	Introduction of lecturers	All	Coffee Break		Coffee Break		Coffee Break	
10:45	Coffee Break		The role of IAEA, framework,	NN	Training Session III	UKHSA?	Measurements	LP
11:00	General framework for emergenc		rue		1 Types of equipment to be considered in radiological emergencies, or cases of exposure to radiation (from protection clothes to detection equipment)			DC
11:15	what could happen in general		data bases, training		2 Bridging the gap between metrology and on-site measurements			
11:30	(chemical, biological, nuclear, etc.)				3 Dosimetry measurements from a metrologist POV, applied in emergency dosimetry			
11:45	Dosimetry concept I:	OH	ow do yo	NN	4 Goodpractice guide in radioprotection / tips on how to use a			
12:00	From Physical and Protection Quantyties		oordinati & co	UKHSA	dosemeters, things to consider for protecting yourself and			
12:15	Lunch						Lunch	
12:30			h					
12:45								
13:00	Dosimetry concept II:	OH					Measurements	LP
13:15	Operational Quantities		Radiological situation picture	S_1	to Proc d in e ts of uclear or	DC	Calibration certificates	DC
13:30	"Ice Breaker"	P	for different emergency scenarios		iologica mergc y			
13:45	Short presentations by participants						Measurements	LP
14:00			Training Session- Part I	NN			Uncertainties	DC
14:15			Emergency Planing	UKHSA	Decontamination proce es	N.N		
14:30	Calibration, Type Testing	HZ	What to do....the game is on.		in an emergency field			
14:45	Traceability				Excercise: How to calculate	N	Fe back-Que onnaire	OH
15:00	Tea break		Tea break		measurement uncertainties		a break	
15:15	Round Table	P	Training Session- Part II		Tea break		asurement	LP
15:30	Discussion with all lecturers		... continued ...		Excercise to continued	MZ	Calculating eff i ose and	DC
15:45					(linked to training next day)		activitiy of sou	
16:00	Dosimetry concepts II:	OH						
16:15	Internal Dosimetry		Who is asking for measurements	N.N.	Measurement technology/networks	BfS_2		
16:30	Retrospective Dosimetry	UKHSA	How to report results?		for monitoring radioactivity			
16:45			Regular presentation of the	BFS_1	in the environment			
17:00	Biological dosimetry: one more tool	UKHSA	radiological situation in Ukraine		Overview about area and personal	NK	Summary and Lessons learned	LP
17:15	in the response to emergencies		Round Table	P	monitoring instrumentation (+15min?)			DC
17:30	Appropriate Dosemeters and	MZ	Discussion with all lecturers				Closure	OH
17:45	Choice of calibration points				Round Table	P		
18:00								
18:15								
20:00			Conference Dinner	GAEC				

Version 2.7 (22nd May 2023)

Possible Lecturers:

OH Oliver Hupe (PTB)
DC Denis Glavič-Cindro (IJS)
CO Claudia Olaru (IFIN-HH)
MZ Miloš Živanović (VINS)
LP Linda Persson (SSM)
HZ Hayo Zutz (PTB)
AB Argiro Boziari (EEAE)
NK Nikola Krzanoviv (VINS)
ML Makysm Luchkov (PTB)
BfS_1 tbd (BfS)
BfS_2 tbd (BfS)
N.N tbd (XXX)
UKHSA tbd (UK HSA)

P Participants