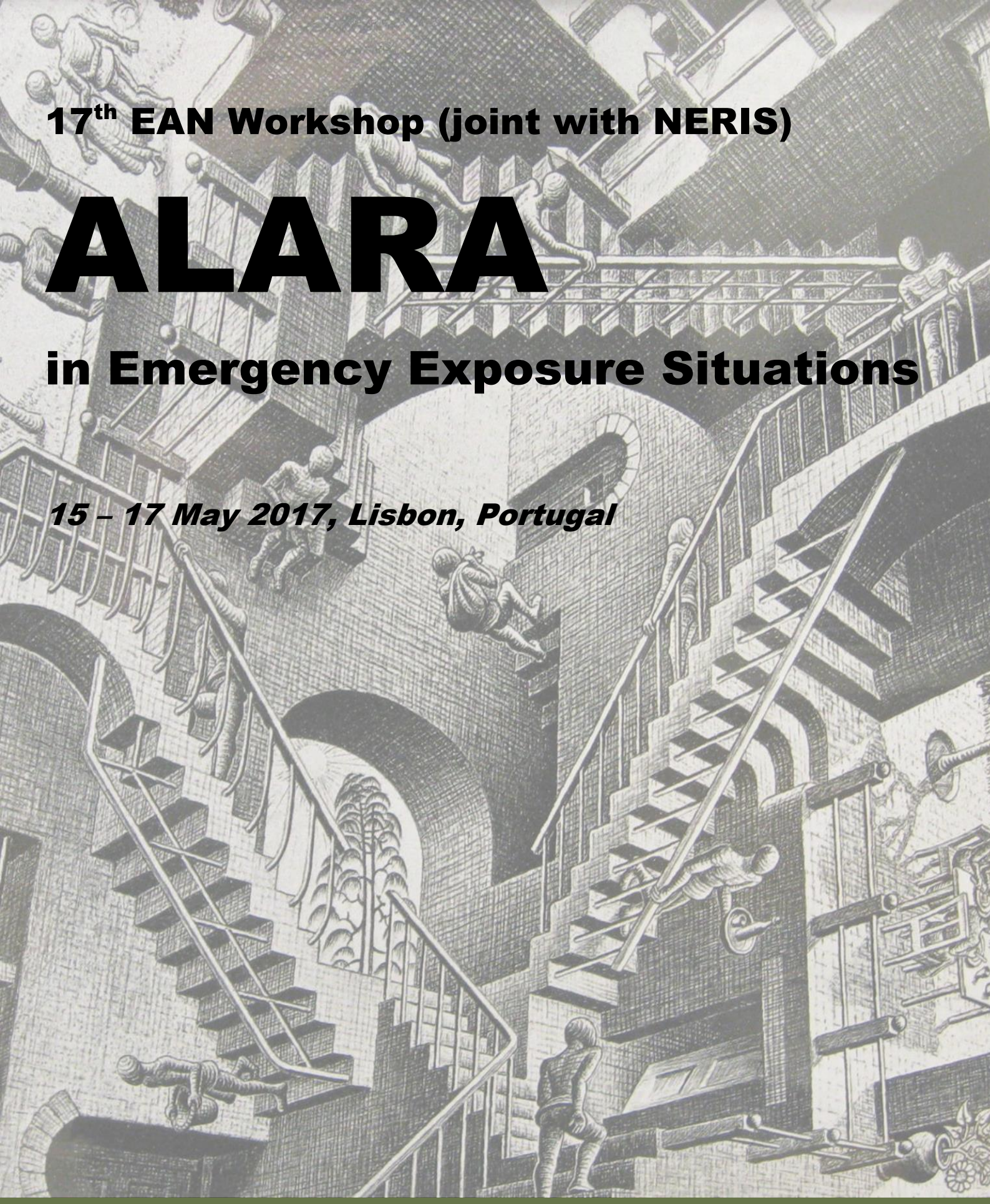

17th EAN Workshop (joint with NERIS)

ALARA

in Emergency Exposure Situations

15 – 17 May 2017, Lisbon, Portugal

Instituto Superior Técnico
Tecnológico e Nuclear Campus
Bobadela, Portugal

TÉCNICO LISBOA

European ALARA Network

European ALARA Network

European Platform on Preparedness
for Nuclear and Radiological Emergency
Response and Recovery

NERIS

EAN 17th Workshop

ALARA in Emergency Exposure Situations

Aims and objectives

Emergency exposure situations can arise as a result of a nuclear accident, a malicious or terrorist act, or any other unexpected radiological event. It requires a quick response and sustainable countermeasures and remedial actions in order to avoid or reduce adverse short-term and long-term consequences. Radiation exposures can be received by the public, first responders, workers and volunteers engaged in the post-accident recovery.

The ICRP recommendations and European Basic Safety Standards – the bases for national regulations - re-emphasize the principle of optimisation (ALARA) as applying to emergency exposure situations. For the purpose of radiological protection, reference levels for emergency exposure situations should be set. More importantly, it is necessary to establish emergency plans based on an optimum protection strategy, resulting in more good than harm for the exposed people and the affected territories. In that perspective, lessons learnt from the Fukushima accident are of utmost importance.

The objectives of the workshop are:

- To show, in particular from the experience of Fukushima accident, the challenges posed by the optimisation of exposures in emergency and post-accident situations;
- To review the national arrangements for assessing, monitoring and mitigating the radiological consequences of an emergency, especially with regard to applying the ALARA principle to public and occupational exposures;
- To review the arrangements for managing emergency doses to workers
- To review the arrangements for providing ALARA-based training for the different types of stakeholders who would be engaged in the emergency response and long-term recovery actions.

The workshop will consist of presentations (oral and posters) intended to highlight the main issues, and a significant part of the program will be devoted to discussions within working groups. From these discussions, participants will be expected to produce recommendations on ALARA in emergency exposure situations, which are addressed to relevant local, national and international stakeholders.

		TITLE	ORATOR	ORGANIZATION
DAY 1: MONDAY 15TH MAY 2017				
SESSION 1: SETTING THE SCENE: THE CHALLENGES POSED BY THE OPTIMISATION OF EXPOSURE IN EMERGENCY AND POST ACCIDENT SITUATIONS				
		Chairpersons: …		
09:00		Welcome and introduction by the local host	Representative from IST	IST (Portugal)
09:10		EAN and ALARA in Emergency Exposure Situations	F. Vermeersch	EAN
09:20		NERIS presentation	T. Schneider	NERIS
09:30		Considerations for the Development of a Protection Strategy for a Nuclear or Radiological Emergency ?	S. Madjunarova ?	AIEA
09:50		Justification, optimization and management of emergency exposure situations - an ICRP perspective	A. Nisbet	ICRP
10:10		Euratom 2013/59: Elements to be included in a emergency management system/plan - A synthesis ? **> Focus on the preparation**	S. Mundigl ?	European Commission
10:30		CRPPH Working Party on Nuclear Emergency Matters	C. MacMahon	Public Health England (United Kingdom)
10:50		COFFEE BREAK: 20 MINUTES		
SESSION 2: OVERVIEW OF EMERGENCY PREPARDNESS IN EUROPE				
		Chairpersons C. Murith and ...		
11:10		The French doctrine for nuclear post-accident management: The work of the CODIRPA	N. Tchilian	Autorité de Sûreté Nucléaire (France)

		TITLE	ORATOR	ORGANIZATION
11:30		Optimised protection strategies in nuclear/radiological emergencies - a German example	F. Gering	Bundesamt für Strahlenschutz (Germany)
11:50		Emergency Preparedness In Austria in the light of the new European Basic Safety directive including also the ALARA approach	M. Dauke	AGES GmbH (Austria)
12:10		Setting dose reference level for emergency responders in the United Kingdom	D. Cox	Public Health England (United Kingdom)
12:30		Finnish experience in emergency preparedness and results - Experience of cooperation results	J. Sovijarvi	STUK (Finland)
AND/OR		Harmonization of the national emergency preparedness actions plan in Europe > Focus on the harmonization ?	Bharat Patel ?	
		70 minutes: LUNCH		
SESSION 3: EMERGENCY AND RESPONSE MANAGEMENT				
Chairperson: S. Andresz and ...				
14:00		A Framework for Training of First Responders and Intervention Teams	L. Portugal	Portuguese Environmental Agency (Portugal)
14:20		The EDF FARN (first response team) / Management of radiological risk in emergency situation ?	?	Electricité de France (France)
14:40		RODOS: Real Time Online Decision Support System for nuclear emergency management	W. Raskob	Karlsruhe Institute of Technology (Germany)
15:00		Using modelisation of on-site consequences: the example of Fluidyn-PANEPR	C. Souprayen	Fluidyn co. (France/India)
15:20		Optimization and robustness of intervention strategies	C. Murith	Swiss Federal Office of Public

		TITLE	ORATOR	ORGANIZATION
				Health (Switzerland)
WORKING GROUP				
15:40		Introduction to Working Groups	P. Crouail	EAN
15:50		COFFEE BREAK: 30 MINUTES		
16:20		WORKING GROUP SESSIONS	ALL	
18:00		End of day 1		
DAY 2: TUESDAY 16TH MAY 2017				
SESSION 3: EMERGENCY AND RESPONSE MANAGEMENT (CONTINUED)				
Chairpersons: …				
08:30		Modelling of nuclear accident consequences on freshwater bodies	E. Gallego	University of Madrid (Spain)
08:50		World Health Organization Recommendations on Iodine Potassium Use	Z. Carr	WHO
09:10		Monitoring and managing radioactive releases and contamination	K. Fritioff	Vattenfall (Sweden)
09:30		How to Communicate with the Japanese public after Fukushima accident ?	T. Konio	Young Researcher Association of Japan (Japan)
09:50		Radioactivity from Fukushima nuclear accident detected in Lisbon: concerns of and communication with the public	M. C dos Reis	CTN (Portugal)
10:10		COFFEE BREAK: 30 MINUTES		

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SESSION 4: THE POST-ACCIDENT PHASE - MANAGEMENT OF RADIOLOGICAL CONSEQUENCES				
Chairpersons: A. Nisbet ; ...				
10:40		Reponders On-Site in the Late Phase After an Accident - the ALARA Approach	J. F. Lecomte	French Radiation Protection and Safety Institute (France)
11:00		ERMIN: European Model for Inhabited Areas: use within a wider decision making framework	T. Charnock	PHE (England)
11:20		Feedback from the actions implemented in Norway after the Chernobyl accident (the Sami people perspective: dose savings vs. preserving culture)	L. Skuterud	Norvegian Radiation Protection Authority (Norway)
11:40		Strategy for the management of contaminated food : the EURANOS Handbook	C. Organo	Environmental Protection Agency (Ireland)
12:00		The use of electronic dosimeter for individual exposure management after a nuclear accident: the example of the D-Shuttle in the Fukushima Prefecture	W. Naito	National Institute of Advanced Science and Technology (Japan)
12:20		Post-Chernobyl countermeasures and management in Belarus	V. Averin	Institute of Radiology (Gomel), Belarus
12:40		Implementing optimisation in post-accident situation: some lessons from Fukushima	T. Shogo	Japan Atomic Energy Agency (Japan)
13:00		LUNCH: 90 MINUTES		LUNCH
WORKING GROUP				
14:00		WORKING GROUP: SECOND SESSION	ALL	
15:30		COFFEE BREAK: 30 MINUTES		

		TITLE	ORATOR	ORGANIZATION
16:00		WORKING GROUP SECOND SESSION (continued)	ALL	
17:30		End of day 2		
18:30		Social event (to be decided)		
19:30		Workshop dinner		
DAY 3: Tuesday 16th May 2017				
SESSION 5: Conclusions and recommendations				
Chairpersons: J. Morgan and P. Croüail				
09:00		Reports from each Working Group (20 minutes each)	Rapporteurs from WG	
10:20		COFFEE BREAK: 40 MINUTES		
11:00		Final Conclusions and Recommendations	PHE+CEPN	
12:00		END		