

WEDNESDAY 7TH MAY 2014

 INTRODUCTION

<i>Chairpersons</i>	<i>R. Paynter (EUTERP), F. Vermeersch (SCK•CEN)</i>
09:00 - 09:15	Welcome introduction S. Medaković, Director of Croatia's State Office for Radiological and Nuclear Safety (SORNS)
09:15 – 09:30	EAN presentation F. Vermeersch (SCK•CEN - EAN)
09:30 – 09:45	EUTERP presentation R. Paynter (EUTERP)

 Session 1. SETTING THE SCENE

<i>Chairpersons</i>	<i>R. Paynter (EUTERP), F. Vermeersch (SCK•CEN)</i>
09:45 – 10:15	Education and training in radiation protection in the European Basic Safety Standards - its relation with ALARA G. Simeonov (EC – DG ENERGY)
10:15 – 10:45	Finding, conclusions & recommendations on E&T in RP in Europe. Focus on RPE, RPO & workers T. Vermeulen (HERCA)
10:45 – 11:15	<i>Coffee-break, Posters</i>
11:15 – 11:30	ENETRAP III M. Coeck (SCK•CEN)
11:30 – 11:45	IRPA Guiding Principles for Establishing a RP Culture B. Le Guen (EDF), C. Schieber (CEPN)
11:45 – 12:00	Recent developments within the European Framework of RP Education and Training A. Schmitt-Hannig (BfS)
12:00 – 12:15	Discussion
12:30– 14:00	<i>Lunch Break</i>

 Session 2. BUILDING ALARA INTO RADIATION PROTECTION TRAINING PROGRAMMES

14:00 – 14:15	Optimisation of radiation protection (ALARA): a practical guidebook <i>C. Schieber (CEPN)</i>
14:15 – 14:30	Reflections on ALARA in RP training F. Vermeersch (SCK•CEN)
14:30 – 14:45	Elaboration of training scheme on radiation protection of patients C. Rousse (ASN)
14:45 – 15:00	Drawing up radiation protection plans S.-G. Jahn (ENSI)
15:00 – 15:15	Discussion
15:15 – 15:45	<i>Coffee-break, Posters</i>

WORKING GROUP SESSION (four WGs in parallel)

15:45 – 17:45

WG1. How to assess the effectiveness of training?

Facilitator: J. Stewart (PHE)

WG2. Tools to improve the effectiveness of training

Facilitator: F. Vermeersch (SCK-CEN)

WG3. What is achieved by recognition schemes?

Facilitator: R. Paynter (EUTERP)

WG4. Incorporating ALARA culture in training requirements - How to improve risk awareness and the radiation protection and ALARA understanding for different stakeholders and for different exposure situations?

Facilitator: D. Faj (MEFOS)

WELCOME COCKTAIL

THURSDAY 8TH MAY 2014

Session 3. MEASURING THE EFFECTIVENESS OF TRAINING, THE ROLE OF QUALIFICATION AND RECOGNITION SCHEMES

Chairperson **A. Schmitt-Hannig (BfS)**

08:30 – 09:00 **Assessing the effectiveness of training - what are we Looking for?**
J. Stewart (PHE)

09:00 – 09:15 **Testing the effectiveness of training - a practical solution**
E. Grindod (PHE)

09:15 – 09:30 **Teaching RP principles - possibilities for more effective approach**
M. Koželj (Jožef Stefan Institute)

09:30 – 09:45 **Discussion**

09:45– 10:15 **Poster Session (Presentation from Authors)**

10:15– 10:45 *Coffee break, Posters*

Session 4 TOOLS AND METHODS

Chairperson **M. Schouwenburg**

10:45 – 11:05 **The use of 3D computer simulation tools in specific job training, risk communication and safety**
F. Vermeersch (SCK•CEN)

11:05 – 11:25 **“Serious Game” (3D video games) for training workers at nuclear facilities**
A. Pin (CEA)

11:125 – 11:45 **How to integrate the “Humans factors” dimensions within a reviewing project of the HP training for outside workers?**
I. Fucks (EDF)

11:45 – 12:00 **Discussion**

12:30– 14:00 *Lunch Break*

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WG2. Tools to improve the effectiveness of training
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Facilitator: D. Faj (MEFOS)

15:30 – 16:00 *Coffee-break, Posters*

Session 5. NATIONAL APPROACHES

Chairperson *Ivana Kralik (SORNS)*

16:00 – 16:15 **Education and Training system in Croatia (Case study)**

D. Posedel (Ekoteh)

16:15 – 16:30 **Greek Atomic Energy Commission initiatives with respect to education and training of outside workers**

M. Kalathaki (GAEC)

16:30 – 16:45 **Providing qualifications as the key to professional Radiation Protection Culture - RP education and training in Germany in the light of the new EURATOM BSS**

J. Vogel (German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety)

16:45 – 17:00 **The challenge of implementing Radiation Protection Experts and Officers in Belgium**

P. Froment (AV Controlatom)

17:00 – 17:15 **Discussion**

18:30 *DEPARTURE TO ST ANDREW ISLAND FOR GALA DINNER*

FRIDAY 9TH MAY 2014

Session 6. WORKING GROUP SYNTHESIS

Chairpersons M. Coeck (SCK•CEN), P. Croüail (CEPN)

09:00 – 09:30 **WG1**

09:30 – 10:00 **WG2**

10:00 – 10:30 **WG3**

10:30 – 11:00 **WG4**

11:00 – 11:30 *Coffee-break, Posters*

CLOSING SESSION

11:30 – 12:00 **Workshop Conclusions**
P. Croüail (EAN), R. Paynter (EUTERP), P. Shaw (EAN)

13:00-20:00 *EXCURSION TO BRIJUNI ISLANDS*

QUESTIONS FOR WORKING GROUPS

ALL WORKING GROUPS:

- What constitutes bad training?
- What would constitute “optimum” training?

WG1. How to assess the effectiveness of training?

Facilitator: J. Stewart

- What do we mean by “effective training”?
- What is the most effective means of assessing the knowledge gained (examinations, tests, etc.)?
- What else (i.e. other than knowledge gained) should we try to measure?
- What other means are available for measuring the effectiveness of training, for example after persons have returned to work?

WG2. Tools to improve the effectiveness of training

Facilitator: F. Vermeersch

- How do we assess that training is required (or needs refreshing)?
- What is the range of training (and learning) tools available? Which tools work best, and under which circumstances?
- What is the best use of methods such as remote learning or e-learning?
- How do we ensure that training continues to deliver improvements and value?

WG3. What is achieved by recognition schemes?

Facilitator: R. Paynter

- Does formal recognition of training and trainers improve optimisation of protection?
- What criteria should be considered for the mutual recognition of national qualifications
- Would that criteria change according to the field of activity?
- Does mutual recognition of qualification favour the mobility of workers?

WG4. Incorporating ALARA culture in training requirements - How to improve risk awareness and the radiation protection and ALARA understanding for different stakeholders and for different exposure situations?

Facilitator: D. Faj

- What is the best way to explain concepts such as stochastic effects and individual and collective risks?
- How can we focus on changing behaviours and attitudes (rather than just providing information)?
- How can we integrate radiation protection/ALARA into a wider Health and Safety training programme?
- How should training be modified for different stakeholders and different exposure situations?