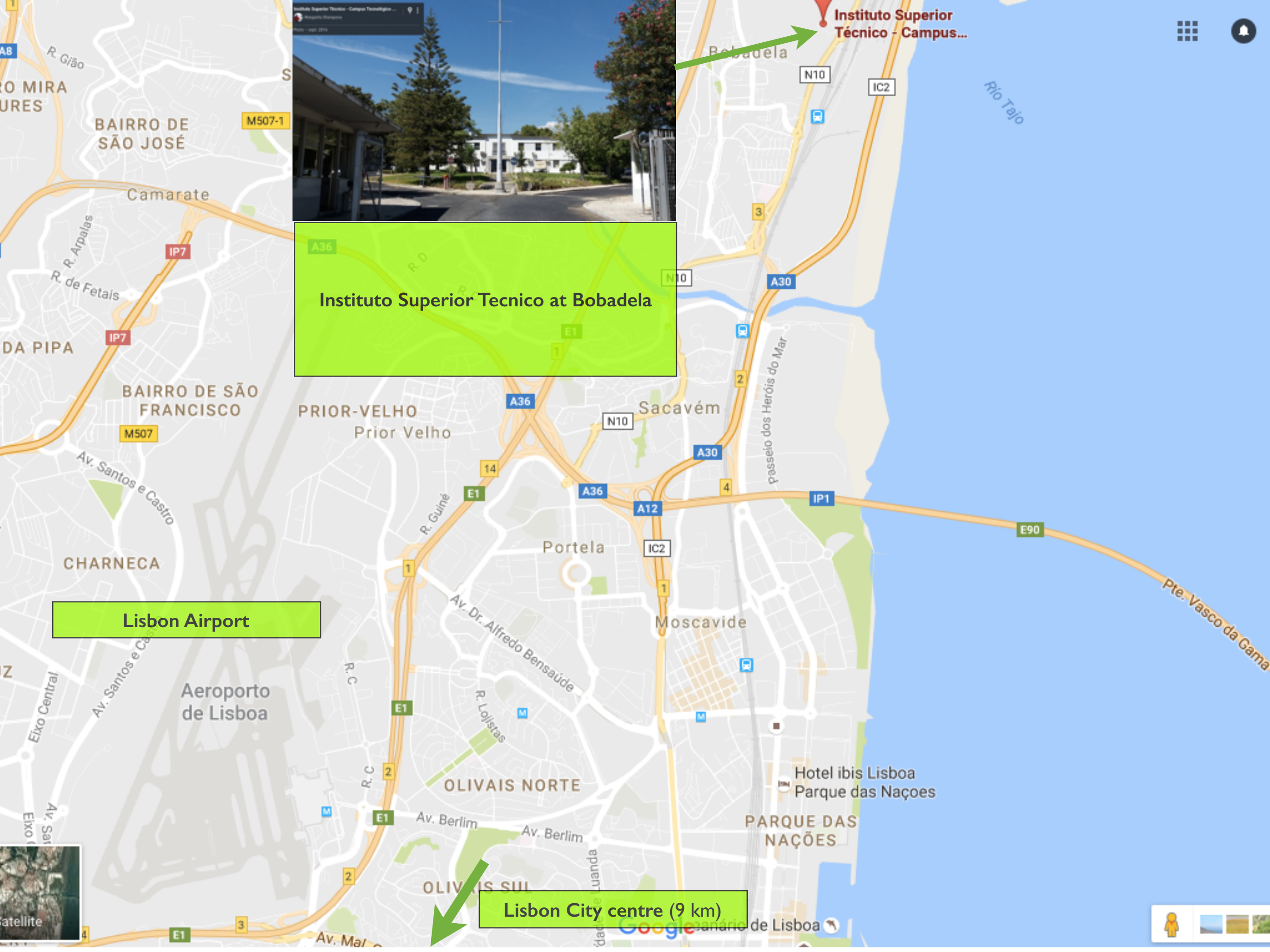




EAN WORKSHOP No. 17

ALARA IN EMERGENCY EXPOSURES

SITUATIONS - joint with NERIS

PROGRAMME

- **Setting the Scene** : The challenges posed by the optimisation of exposure in emergency and post accident situations
- **Overview of emergency preparedness in Europe**
- **Emergency and response management**
- **The post-accident phase - management of radiological consequences**

WORKING GROUPS

- **1/ Can the ALARA principle be fully apply in EmES for the members of the public?**
- **2/ Can the ALARA principle be fully apply in EmES for the occupational exposed individuals?**
- **3/ Predict the unpredictable. How to ensure the emergency plans are optimal from a radiation protection point of view? How to react if the situation goes beyond the prediction? [2 working groups]**



EAN WORKSHOP No. 17

ALARA IN EMERGENCY EXPOSURES

SITUATIONS - joint with NERIS

PARTICIPANTS

- **57**
- **17 countries** [including Japan, Belarus, Israël]
- **authorities, institutional organizations, experts and research centres, researchers from private companies or universities, ...**

FEEDBACK

a formal feedback is required with SurveyMonkey

- **7 answers from now** [RR = 14 %]
- **8,86/10** [goes from 7 to 10]
- **views about EAN WS** : very positive, well planned [by EAN], useful, ...
- **most useful part of the WS** : working groups ++, topical presentations, ...
- **broadcasting**: generally performed: conclusion and recommendations
- **attend/recommend similar event**: goes from [somewhat - very] likely
- **suggestions** : under reviewing

EAN WORKSHOP No. 17

ALARA IN EMERGENCY EXPOSURES SITUATIONS - joint with NERIS

Preliminary financial results

Incomes	
<i>Registration</i>	8 950 € (<i>expected</i>)
Costs	
<i>Bus</i>	865 €
<i>Costs from IST</i>	3 314 € (<i>to be confirmed</i>)
<i>Gala diner</i>	2 016 €
Result	+ 2 755 € (<i>preliminary</i>)

EAN WORKSHOP No. 17

ALARA IN EMERGENCY EXPOSURES

SITUATIONS - joint with NERIS

SUMMARY OF TOPICS AND THEMES

- (1) **Guidance on emergency preparedness** but which circumstances prevail?
- (2) **Mitigating measures**
- (3) **Reference levels**: a poorly understand/applied tool
- (4) **Dose assessment and monitoring**: prediction vs. real-time, conservatism
- (5) **Stakeholders**: different phases
- (6) **RP culture, information and training**: at stake

RECOMMENDATIONS

- **workers**: anticipate guidance and monitoring, collective vs. individual specific groups
 - **public**: arrangements for KI ++, advocate for justification in evacuation
 - cooperation/coordination between countries
 - RP awareness in peacetime for all stakeholders
- › Opportunity to launch an EAN survey with regard to the implementation of emergency plans following Euratom 2013/59?

- ~~Transport of source~~ : not relevant anymore
- Site Clean-up and Decommissioning: joint with ISOE?
- Holistic/integrated approach of ALARA (F. Vermeersch) [EAN WS 4]
- ALARA in legacy sites (coming from EAN WS 17)
- ALARA for radioactives releases (N. Stritt)
- ALARA in the research sector (J. Morgan)
- Optimization and ALARA in the application of Euratom 2013/59 :
confronting the views from the users and from regulatory bodies

EAN Strategic Agenda 2015 - 2020

Where are we now?

Objective 1: Focus the work of EAN on key ALARA issues

- Encouraging relationships and partnerships with other organisations on the challenging issues
- Organisation of topical Workshops and production of recommendations and other relevant documents
- Elaboration of feedback documents from the Workshops and follow-up of recommendations
- Establishment of working groups on challenging issues, by the initiative of EAN Members or other organisations

Objective 2: Increase stakeholder involvement

- Targeted invitations to the Workshop and encouraging the participation of stakeholders to all EAN activities
- Promote the involvement of new, or poorly represented, stakeholders such as manufacturers, employers, employees and representatives of the public.

Objective 3: Involvement of the younger generation in the Network

- Set up a mentoring scheme for new members
- Promotion of Workshop participation for possible new members
- Participation of possible new members through EAN activities

Objective 4: Communication and visibility

- Publication in scientific journals (nuclear, medical and safety-related journals)
- Promotion of the Network through social media (Facebook, Twitter, LinkedIn ...)
- EAN attendance and presentations at national and international conferences and other events.

EAN Strategic Agenda 2015 - 2020

Where are we now?

GENERAL WORK ACTIVITIES

- ! Organize Workshops and surveys on the issues at stake**
- ! Draft and collect articles on the issues at stake** (to be published on the EAN Newsletter/website)
- ! Act as a platform by collecting feedback for:**
 - HERCA (implementation of the regulation),
 - ICRP (implementation of the Commission's recommendations),
 - European Commission (implementation of the new BSS).

Collection of feedback will be more fruitful with the help of the sub-networks like ERPAN or EANNORM

! Present EAN activities through oral presentations and posters:

- Directly to other organisations (ICRP, HERCA, ERPAN),
- At radiation protection conference (IAEA, ...)

! Contact and invitation to topical meetings:

- Organisations: EFNDT, EMAN, EFOMP, EFRS, ESR, EUTERP, EURADOS
- And radiation protection companies

! Advertise good example of ALARA practices (in the Newsletter and the website) and lessons-learned from incidents (on OTHEA website)

! Diffusion of the Workshop recommendations, position papers and EAN articles in scientific journals

! Promotion of EAN activities through social media

! Favour the participation of Central and Eastern Europe countries in EAN

SPECIFIC WORK ACTIVITIES

Existing exposure situations

! Favour collaboration with ICRP: participation to Task Group on Ethics in Radiological Protection or NORM

! Further collaboration with ICRP through the collection of the feedback on the implementation of ICRP recommendations

ALARA Culture

! Publication of the “ALARA Book” by the EAN Working Group “ALARA Culture”

! The European Training and Education in Radiation Protection Foundation (EUTERP) collaborates with the EAN and attend the Steering Committee as Observer

Medical sector

! The European Federation of Organisations in Medical Physics (EFOMP) collaborate with the EAN and attend the Steering Committee as Observer

! Reactivate contact and initiate specific practical collaboration with EMAN, EFRS and ESR. Specific focus on the new generations

Industrial Radiography

! In collaboration of EFNDT: organisation of the 16th Workshop on “Industrial Radiography and Non- Destructive Testing” (Spring 2016)

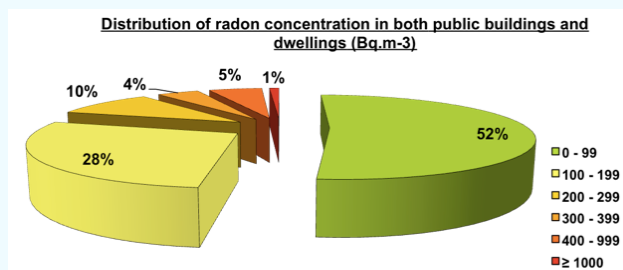
! Search for collaboration with ICRP Task Groups Nuclear Industry

! Contact and explore cooperation with ISOE – especially in the field of decommissioning activities

European ALARA Network NEWSLETTER

39th ISSUE • MARCH 2017

> ACCESS TO EAN NEWSLETTER <



This issue of the EAN Newsletter focusses on existing exposure situations. You will find two different approaches to radon management outlined in the articles *Management of Radon Risk in Pays de Montbéliard Agglomération* (local community in France) and *Implementation of the National Radon Control Strategy for Ireland (year 2)*. It is fruitful to compare the framework, tools and results of these two approaches.

Going a little up in the air, you will also see the results of a *Survey on Cosmic Radiation Exposure of Aircraft Crew in Europe between 2009-2015*. The survey was performed with the help of EAN contacts. The different factors that influence aircraft crew exposure are analysed and discussed.

more in this Newsletter

EAN SURVEY

About [practices in radiation protection in dental radiography](#)

ALARA NEWS

Organization of an IRPA/SFRP workshop on "reasonableness in the implementation of the ALARA principle" [23-24 February 2017]

FAQ ALARA

About sensitivity to parameters values in ALARA analysis - "what if?"

H - 50 DAYS ! NEXT EAN WORKSHOP

On the application of the ALARA principle in emergency exposures situations (15-17 May 2017 at IST, Lisbon, Portugal).

The preliminary programme is available on the EAN website.

Interested to [register](#)?

EAN NEWSLETTER 38

- **2 of 3 articles provided by CEPN !**
- **941 openers** (vs. 3400 now for EAN Newsletter 38)

EAN NEWSLETTER 38



- **Spain: 15 %**
- **United Kingdom: 14,3 %**
- **Sweden: 12,6 %**
- **France: 10,1 %**
- **Belgium: 9,7 %**

EAN Newsletter reaches USA, Canada, China, Brazil, Argentina

EAN (NEXT) NEWSLETTERS

- **From EAN WS 17 :**
 - Activities of the Young Researchers Association of Japan following Fukushima Nuclear Accident
 - IAEA Recommendations for Emergency Preparedness
 - Conclusions & Recommendations from EAN WS 17
- Incident in an hospital cyclotron (thanks to Camilla)
- Feedback from UK SRP event

EAN LOGO

