EAN

The European ALARA Network

Welcome address to ALARA in existing exposure situations

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Chairman EAN

Dublin, September 4, 2012

http://www.eu-alara.net/

ALARA in existing exposure situations
ALARA Network History and Evolution

• 1996
  – cooperation of experts from various European organisations mediated by the European ALARA training course
    • European Support from 1996 to 2004
    • EC support to three workshops
    • Enthusiast individuals, supported by their institutions

• Evolution to a self supporting network

• 2005
  – EAN a legal entity, non-profit organisation under French law
    • Coordination CEPN, HPA and a group of European experts
    • EAN Administrative board (financial)
      • Chairman, vice-chairman, treasurer, secretary
    • EAN steering group (activities)
EAN objectives

• First
  – ALARA in industry and research
    • Industry → non NPP (ISOE for NPP)

• Later
  – ALARA in the medical field
  – ALARA in NORM-industry

• Future
  – All exposure situations
ALARA Network objectives

• Promote a wider and more uniform implementation of the ALARA principle for the management of worker, public and patient exposures in all situations,

• Provide a focus and a mechanism for the exchange and dissemination of information from practical ALARA experiences

• Identify and investigate topical issues of common interest to further improve the implementation of ALARA
EAN participation

- Voluntary cooperation
- Broad range of experts
  - radiation protection authorities and safety authorities
  - industrial companies and services
  - research institutions
  - hospitals
  - ....
- Evolution from 8 to 20 countries since 1996
- Financial support through contributions from different institutions, companies, regulatory authorities, ...organised per country (a representative or contact person per country)
Members of the Steering group

CEPN, France
www.cepn.essao.fr

HPA, UK
http://www.hpa.org.uk

French Nuclear Safety Authority (ASN)
http://www. ASN.fr

Federal Ministry for the Environment, Nature Conservation and Nuclear Safety
http://www.bmu.de

Federal Office for Radiation Protection (BfS)
http://www.bfs.de

Greek Atomic Energy Commission (GAEC)
http://www.gaec.gr

Radiological Protection Institute of Ireland (RRI)
http://www.pri.ie

Norwegian Radiation Protection Authority
http://www.nnpa.no

Croatian Ministry of Health and Social Care
Website

State Office for Nuclear Safety
http://www.aujb.cz

Radiation and Nuclear Safety Authority (STUK)
http://www.stuk.fi

Swedish Radiation Safety Authority (SSM)
http://www.stralsakerhetsmyndigheten.se/340067

Swiss Federal Office of Public Health, Radioprotection Division
http://www.sfo-pah.ch
ACTIVITIES AND ACHIEVEMENTS

How does the network work
European ALARA Network

Contacts with other organisations
Networking

European ALARA Network

IRPA
EURADOS
GWIC
GWIR
ISEMIR
EFNDT
EMAN
EFOMP
EFRS
ESR

National Radiological Societies

ARAN
RECAN
EUTERP
ENETRAP
ORAMED - project
Collaboration with European and international organisations

- **Medical field**
  - EFOMP – European Federation of Organisations for Medical Physics
  - EFRS – the European Federation of Radiographer Societies
- **Industry**
  - EFNDT – European Federation for Non-Destructive Testing
- Invited to participate in the EAN meetings (steering group, workshops, WG)
Another way of gathering information: Surveys

- The implementation of the European Basic Safety Standards in Directives 96/29 and 97/43 in national regulations (2006),
- The management of radioactively contaminated soils (2006),
- Potential exposures in nuclear installations (2007),
- The Diagnostic Reference Levels (DRLs) in Europe (2007),
- Radon exposure management (2010)
- Aircrew exposures (2011)
- Declaration systems of incidents (2011)
- Dose guidance for emergency workers (2011)
EAN Activities and outputs

- EAN Workshops
- Support to European Surveys
- EAN subnetworks
- ALARA Newsletter
- EAN Website
EAN workshops

• **Workshops** on different topics
  - 60-120 experts
  - Expert papers
    • Scene setting
    • Practical cases
  - Poster session
  - Working groups (questions, discussion topics)
  - Output of the workshop
    • Recommendations
    • Documented in
      • Newsletter
      • EAN Website
      • National radiation protection journals
<table>
<thead>
<tr>
<th>Workshop Title</th>
<th>Location/Country, Year</th>
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<tbody>
<tr>
<td>ALARA and decommissioning</td>
<td>Saclay, France, 1997</td>
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<td>Good radiation practices in industry and research</td>
<td>Oxford, United Kingdom, 1998</td>
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<td>Managing internal exposure</td>
<td>Munich, Germany, 1999</td>
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<td>Management of occupational radiological and non-radiological risks: lessons to be learned</td>
<td>Antwerp, Belgium, 2000</td>
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<td>Industrial radiography, improvements in radiation protection</td>
<td>Rome, Italy, 2001</td>
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<td>Occupational exposure optimisation in the medical and pharmaceutical sectors</td>
<td>Madrid, Spain, 2002</td>
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<td>Decommissioning and site remediation</td>
<td>Arnhem, Netherlands, 2003</td>
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<td>Occupational radiological protection control through inspection and self-assessment</td>
<td>Uppsala, Sweden, 2004</td>
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<td>Occupational exposure to natural radiation</td>
<td>Augsburg, Germany, 2005</td>
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<td>Experience and new developments in implementing ALARA in occupational, public and patient exposures</td>
<td>Prague, Czech Republic, 2006</td>
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<td>ALARA in radioactive waste management</td>
<td>Athens, Greece, 2008</td>
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<td>ALARA issues arising for safety and security of radiation sources and security screening devices</td>
<td>Vienna, Austria, 2009</td>
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<td>ALARA and the medical sector</td>
<td>Oscarborg Fortress, Norway, 2011</td>
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*In preparation ALARA Culture Croatia, 2014*
14th European ALARA Network Workshop

ALARA in Existing Exposure Situations

Dublin, Ireland | 4 – 6 September 2012
SECOND ANNOUNCEMENT
Selection of the workshop topic

- Decision of the EAN steering group
- ALARA in existing exposure situations
  - Brainstorming 2009: *There are now new challenges in radiation protection, especially in the medical and industrial fields (such as NDT and NORMs) and in the management of existing exposures.*
  - ICRP 103 and BSS $\rightarrow$ reference to EE
    - Radon, NORM, cosmic radiation, past activities, post-accident
  - Implementing ALARA in practice
- The workshop will provide a scene setting on ALARA in existing exposure situations and will also provide practical examples from the field.
Discussion groups

- ALARA challenges and practicalities at the national and regional level
- Considerations in choosing dose reference levels
- Economic and technical factors, and endpoints of optimisation
- Societal factors and stakeholder engagement
Thanks to

- Radiological Protection Institute of Ireland
- The program committee
Thank you and have a Successful Workshop