



ICRP main commission session discussion with organisations in formal relations with ICRP

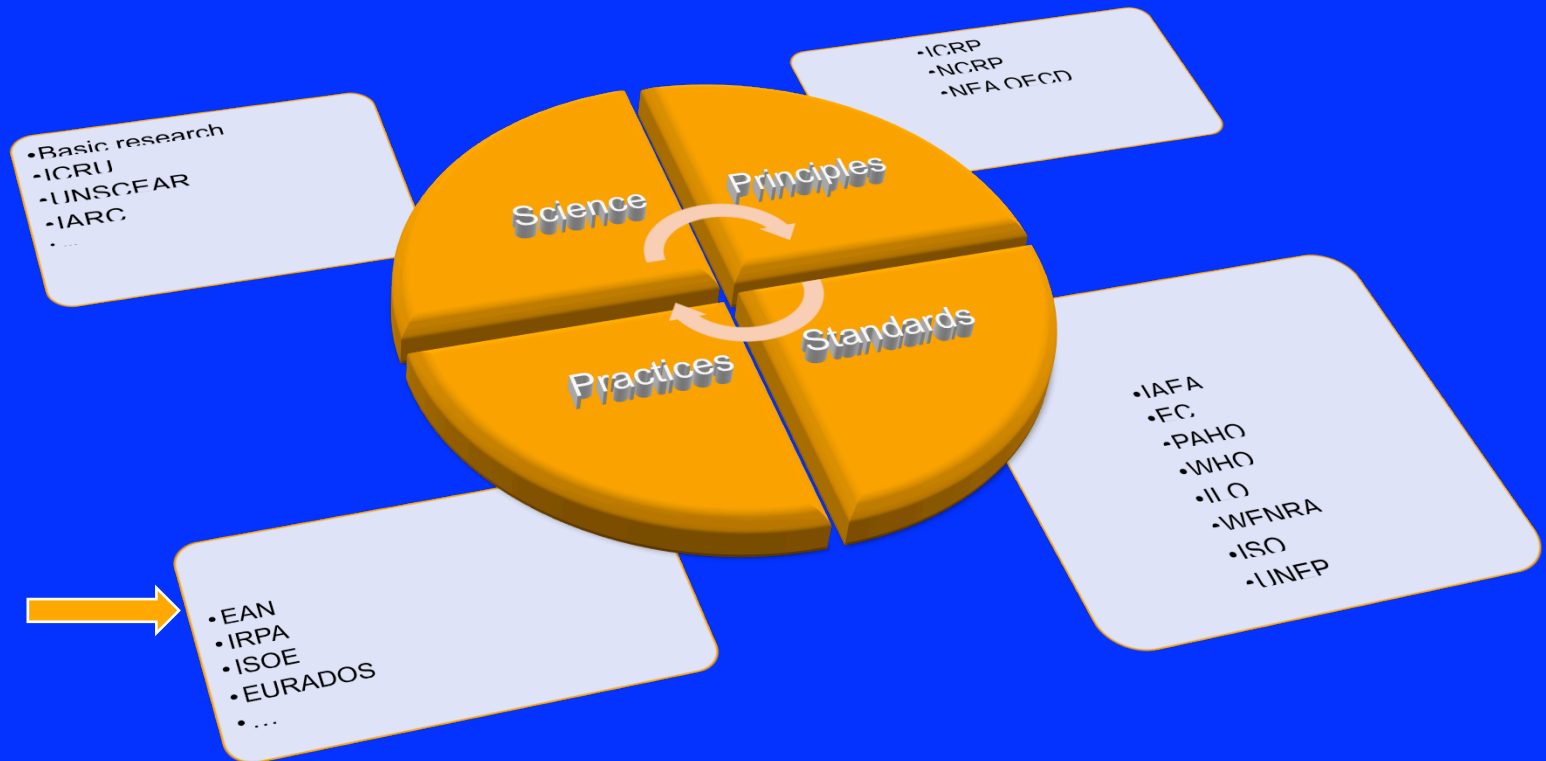
Contribution of the European ALARA Network

Fernand VERMEERSCH

Position of EAN in the Radiological Protection System



Pilars of RP



Looking at the practical implementation of ALARA and optimisation

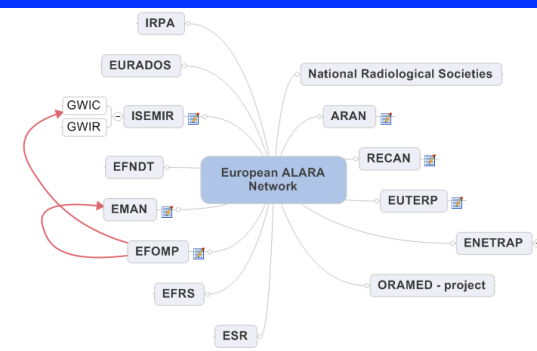


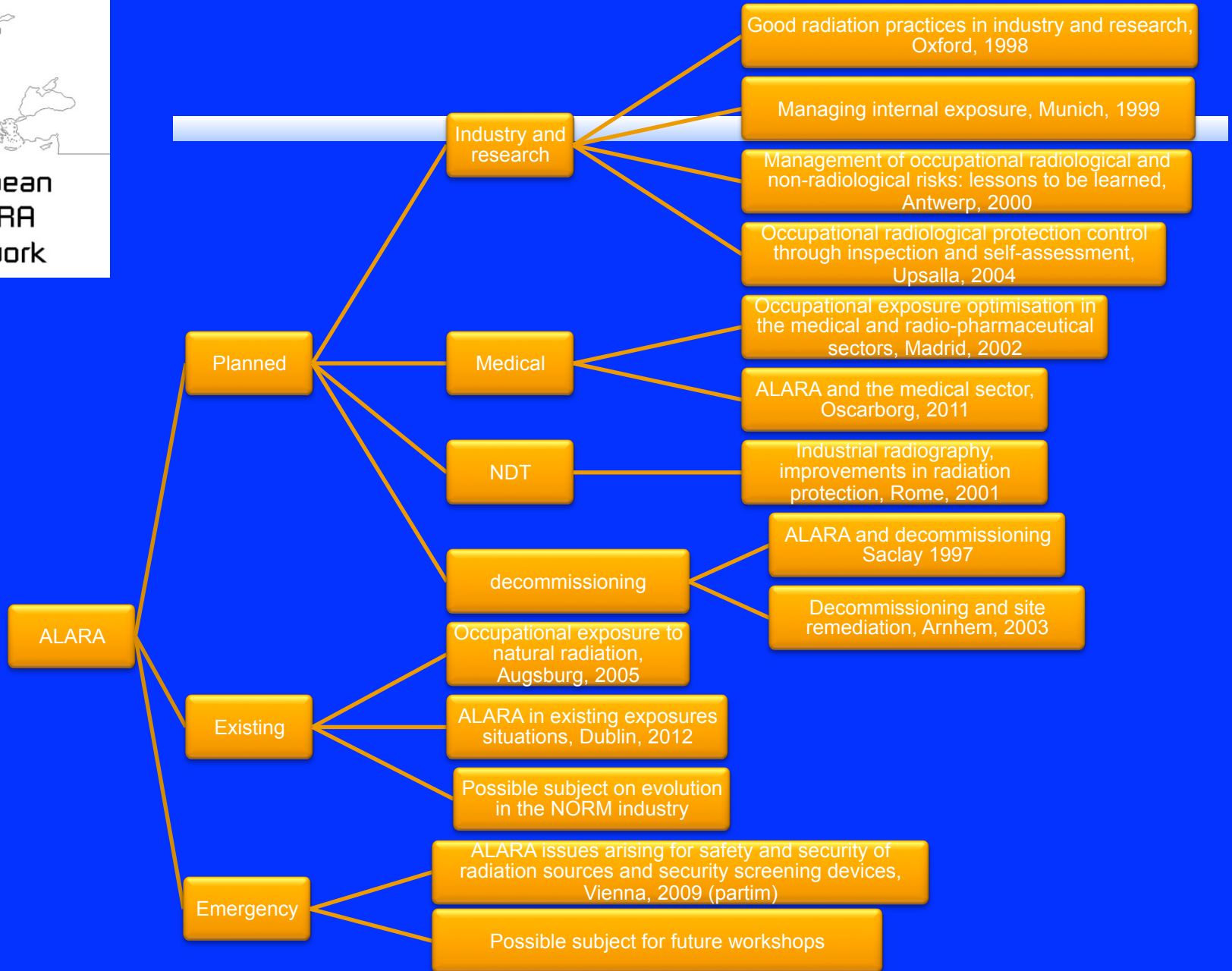
European ALARA Network

- European ALARA Network (EAN),
 - foster specific European research on topics dealing with optimization of radiation protection
 - facilitate the dissemination of good ALARA practices within European industry, research and medical sectors.
- Objectives
 - Promote a wider and more uniform implementation of the ALARA or optimisation principle for the management of worker, public and patient exposures in all exposure 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.



- Provide advice on the practical implementation of ALARA in the radiation protection field
- Through
 - Networking with different RP and professional organisations in Europe
 - Liaison IAEA and EC
 - Liaison to ICRP
 - Interface with the regulatory requirements
 - Acting as a platform for gathering and processing information regarding optimisation in all exposure situations
- Organising Workshops on ALARA in different exposure situations (planned, emergency and existing)





Workshops



ALARA and decommissioning	Saclay, France, 1997
Good radiation practices in industry and research	Oxford, United Kingdom, 1998
Managing internal exposure	Munich, Germany, 1999
Management of occupational radiological and non-radiological risks: lessons to be learned	Antwerp, Belgium, 2000
Industrial radiography, improvements in radiation protection	Rome, Italy, 2001
Occupational exposure optimisation in the medical and radio-pharmaceutical sectors	Madrid, Spain, 2002
Decommissioning and site remediation	Arnhem, Netherlands, 2003
Occupational radiological protection control through inspection and self-assessment	Uppsala, Sweden, 2004
Occupational exposure to natural radiation	Augsburg, Germany, 2005
Experience and new developments in implementing ALARA in occupational, public and patient exposures	Prague, Czech Republic, 2006
ALARA in radioactive waste management	Athens, Greece, 2008
ALARA issues arising for safety and security of radiation sources and security screening devices	Vienna, Austria, 2009
ALARA and the medical sector	Oscarborg Fortress, Norway, 2011
ALARA in existing exposures situations	Dublin, Ireland, 2012
Education an training in radiation protection, improving ALARA culture	Croatia, 2014





- Cooperate in the field of education and training with regard to the practical implementation of RP and dose optimisation and ALARA culture
 - Network with different organisations
 - ALARA Book (examples of optimisation)
 - ALARA Workshops regarding different exposure situations
 - Development of course content for RP and optimisation training

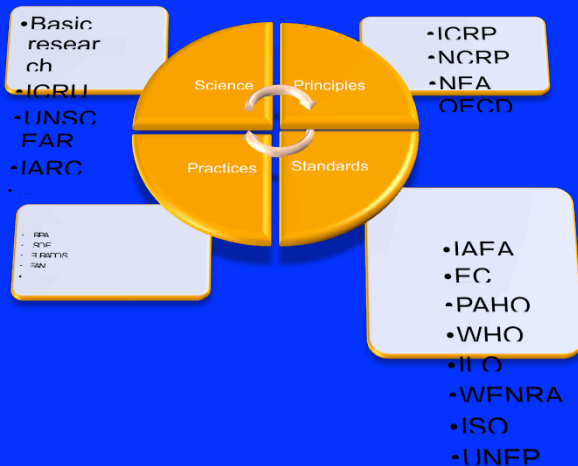


Issues of mutual interest and future collaboration



We are ready to play our part

- In identifying issues in the practical implementation of optimisation
- Giving feedback to the commission on the practical implementation of the recommendations
- The following topics deserve further attention
 - Further optimisation in Industrial radiography (NDT),
 - Further optimisation in the medical field,
 - Optimisation issues after incidents/accidents
 - Optimising public exposure





Direct feedback during the meeting

- Some members of the main commission showed an interest in the further optimisation in Industrial radiography (NDT) and its further evolution.
- No direct comments were made to the other topics for further attention directly after the presentation



The other organisations

- ENISS
 - Representing the nuclear utilities and operating companies
 - Interest in the optimisation
 - Tolerability of risk
 - Optimising the environmental impact
 - Are there cut off criteria that can be used



The other organisations

- **NERIS**
 - European platform on preparedness for nuclear and radiological emergency response and recovery
 - Optimization issues regarding emergency and post-accident situations
 - Decision support in optimisation
 - A multi risk approach with a broad spectrum of stakeholders
- **HERCA**
 - Heads of the European Radiological protection competent authorities
 - Looks at the practical implementation of RP
 - Interest in optimization in veterinary applications



The other organisations

- ILO
 - International Labour Organisation
 - Looks at occupational RP
 - The workplace a multi-risk environment
 - A revision of the ILO convention is in preparation
- IRPA
 - International Radiation Protection Association
 - Looks at practical implementation
 - Feedback from the RP professionals
 - Public perception of the radiation risk, understanding risk
 - What is the influence on the practical RP of the new recommendations (example the eye lens dose limit)



The other organisations

- CRPPH (NEA)
 - Committee on radiation protection and public health
 - How will we protect
 - What will the protection be understood or perceived ?
 - Resources are limited how to organize the protection
- WHO
 - Broad definition of health
 - How to protect the public
 - Environmental
 - NORM
 - Multi-risk approach
 - RR versus other R



The other organisations

- WNA
 - World Nuclear Association
 - Importance of the social and economic dimension
 - How to handle risk in general
 - Compare with other risks (ex. Fine dust)
 - A stable and transparent protection scheme is needed
 - Dialogue and risk awareness of the public
 - A holistic approach to risk



General discussion

- During the discussion it also became clear that there is a need for a document describing the full radiation protection system in plain language, based on the existing ICRP publications.
- The existing ICRP documents tend to be somewhat complicated, a translation for the practical application would be welcomed.



Future collaboration

- The ICRP will look on how we can best collaborate in the future
 - ICRP was interested in the work on NDT
- Possible links with other organisations
 - NERIS
 - Optimisation in emergency response and recovery
- Another theme closely linked with the aspect of optimisation is the tolerability of risk a subject that is further treated in a task group of Committee 4.



European
ALARA
Network

We were there





European
ALARA
Network

Some impressions





- **OPERRA**
- Participation to the meeting of OPERRA in October 2013
- Presentation of the EAN en its activities
- Practical implementation of ALARA
 - Feedback from the practice,
 - Question raised for further research in the different platforms involved
- What can EAN do in OPERRA
 - EAN can improve practical implementation of ALARA and contribute to ALARA culture
 - share information from the practical implementation and feedback lessons learned, disseminate OPERRA results in the ALARA community
 - Ask Annemarie on the update