The role of networking in optimization of radiation protection.
Dissemination and knowledge transfer

Fernand Vermeersch
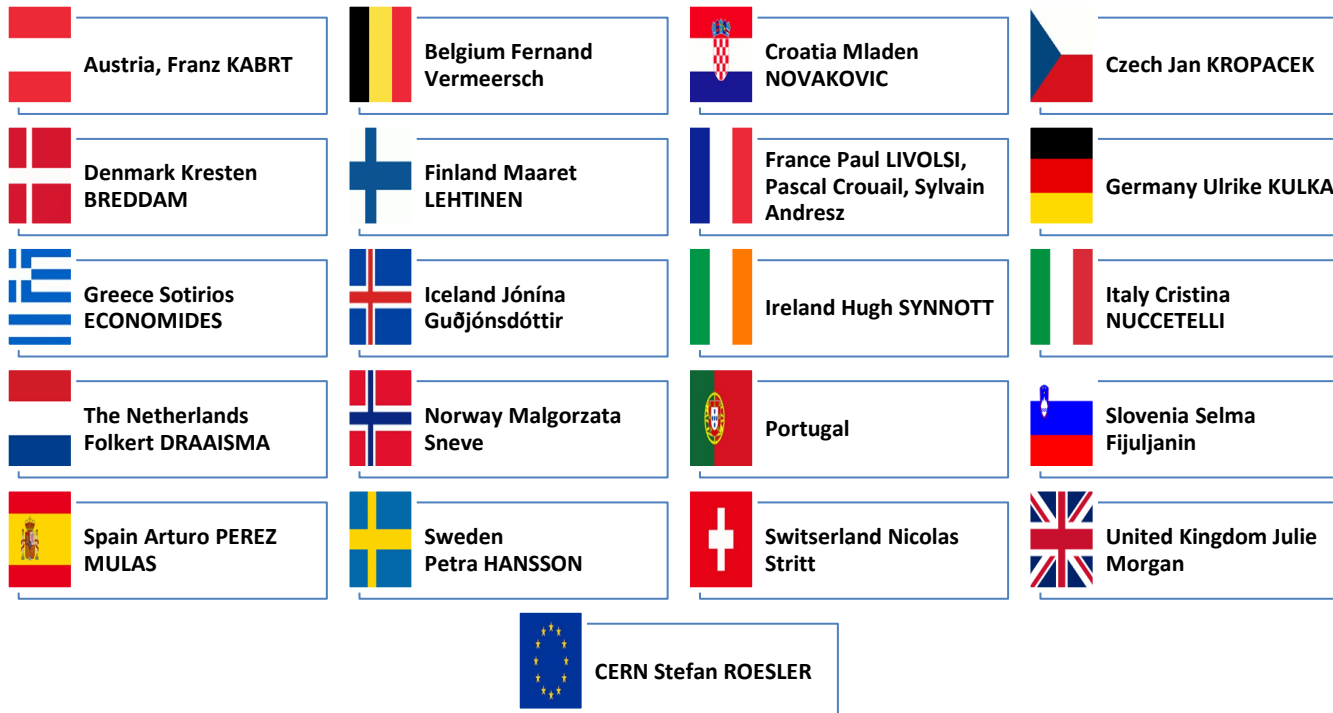
Chairman of the EAN

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Network objectives

- European ALARA Network
  - Gathers and processes information from optimization in RP practices
  - Provides a focus and a mechanism for the exchange and dissemination of information from practical optimization in RP
  - Identifies and investigates topical issues of common interest to further improve the implementation of optimization in RP
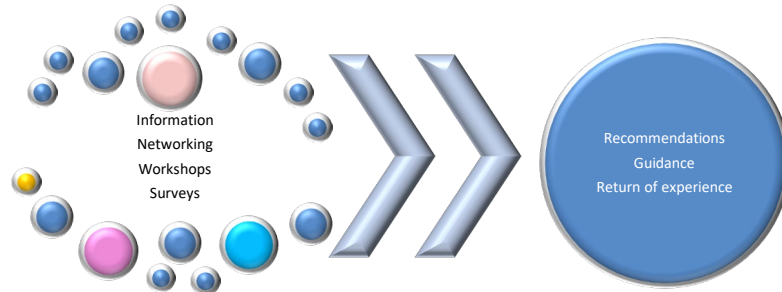
Current network

- Voluntary cooperation
- Broad range of experts
- People invested in the exchange of experiences (safety culture)

Austria, Franz KABRT	Belgium Fernand Vermeersch	Croatia Mladen NOVAKOVIC	Czech Jan KROPACEK
Denmark Kresten BREDDAM	Finland Maaret LEHTINEN	France Paul LIVOLSI, Pascal Crouail, Sylvain Andresz	Germany Ulrike KULKA
Greece Sotirios ECONOMIDES	Iceland Jónína Guðjónsdóttir	Ireland Hugh SYNNOTT	Italy Cristina NUCCETELLI
The Netherlands Folkert DRAAISMA	Norway Malgorzata Sneve	Portugal	Slovenia Selma Fijuljanin
Spain Arturo PEREZ MULAS	Sweden Petra HANSSON	Switserland Nicolas Stritt	United Kingdom Julie Morgan
CERN Stefan ROESLER			

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Network activities and outputs

Information
Networking
Workshops
Surveys

Recommendations
Guidance
Return of experience
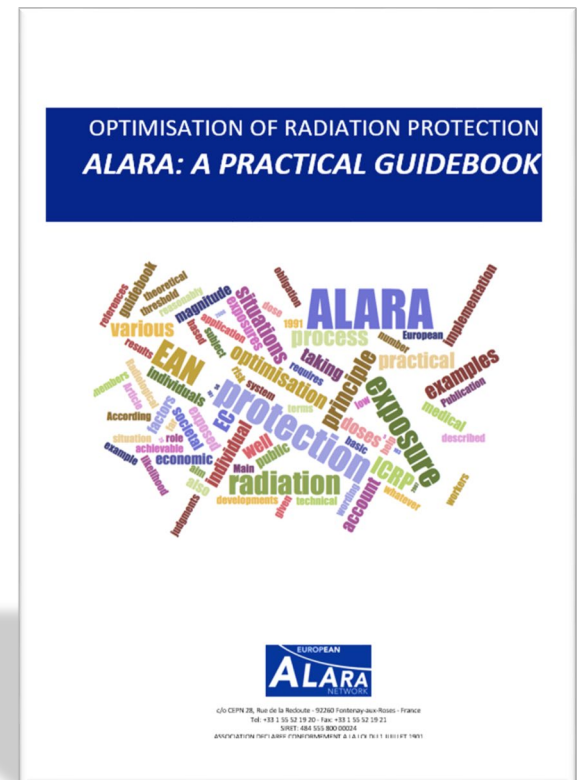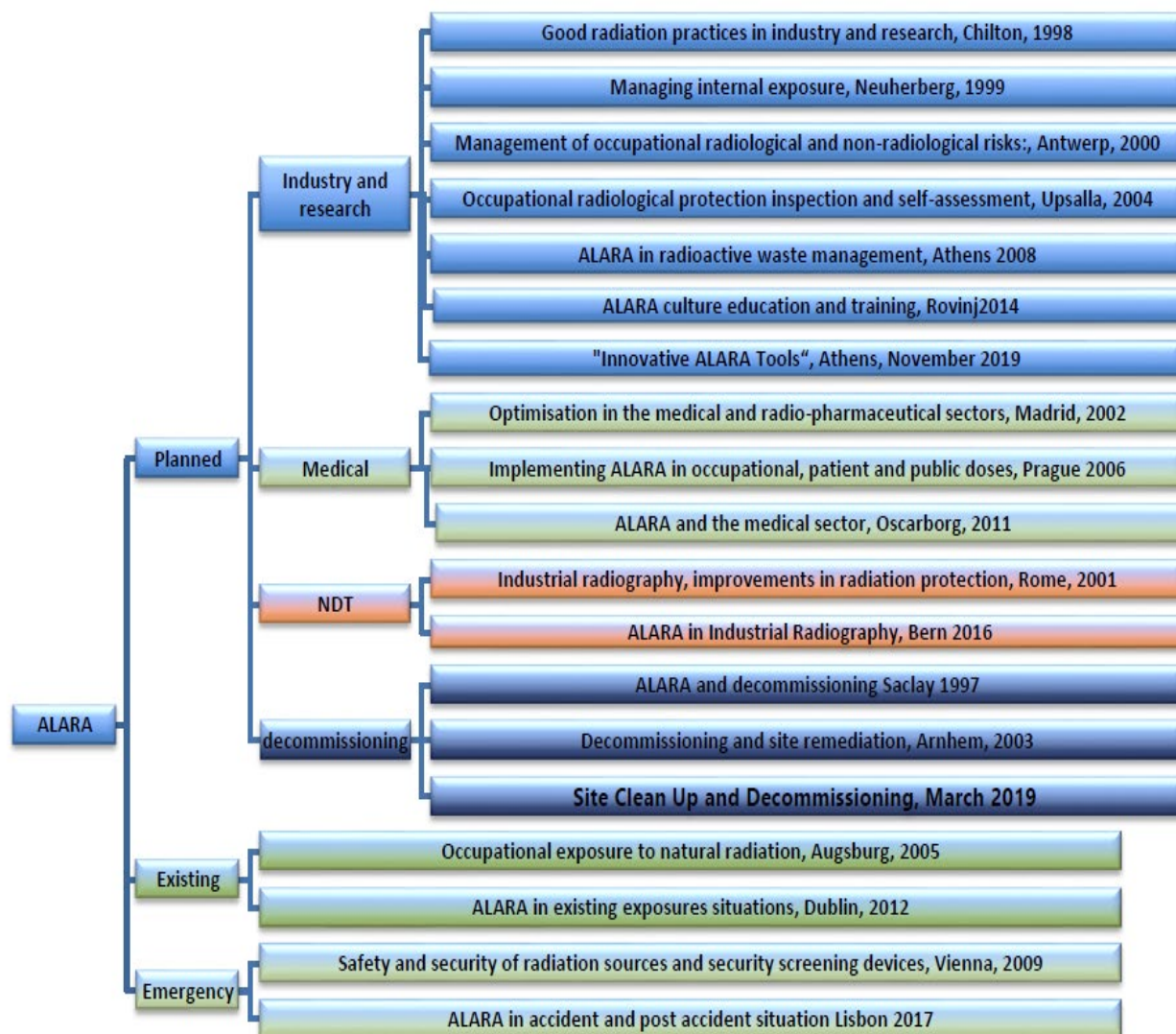
Input   output

- The network processes information
  - Workshops
  - Surveys
  - Sub networks
- Output disseminated through
  - EAN Website
  - Newsletter
  - RP journals
  - ALARA: A Practical Guidebook

OPTIMISATION OF RADIATION PROTECTION
ALARA: A PRACTICAL GUIDEBOOK

EAN has organized **19** workshops since 1996

Industry and research
- Good radiation practices in industry and research, Chilton, 1998
- Managing internal exposure, Neuherberg, 1999
- Management of occupational radiological and non-radiological risks:, Antwerp, 2000
- Occupational radiological protection inspection and self-assessment, Upsalla, 2004
- ALARA in radioactive waste management, Athens 2008
- ALARA culture education and training, Rovinj2014
- "Innovative ALARA Tools", Athens, November 2019

Medical
- Optimisation in the medical and radio-pharmaceutical sectors, Madrid, 2002
- Implementing ALARA in occupational, patient and public doses, Prague 2006
- ALARA and the medical sector, Oscarborg, 2011

NDT
- Industrial radiography, improvements in radiation protection, Rome, 2001
- ALARA in Industrial Radiography, Bern 2016

decommissioning
- ALARA and decommissioning Saclay 1997
- Decommissioning and site remediation, Arnhem, 2003
- **Site Clean Up and Decommissioning, March 2019**

Existing
- Occupational exposure to natural radiation, Augsburg, 2005
- ALARA in existing exposures situations, Dublin, 2012

Emergency
- Safety and security of radiation sources and security screening devices, Vienna, 2009
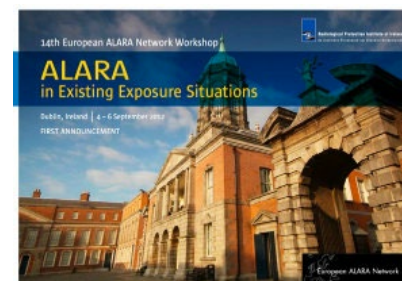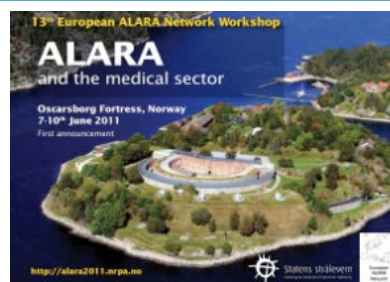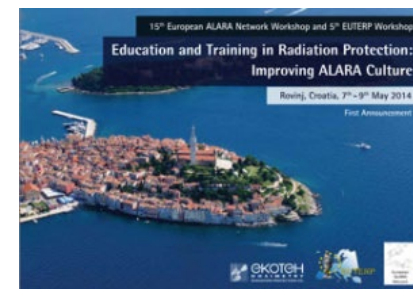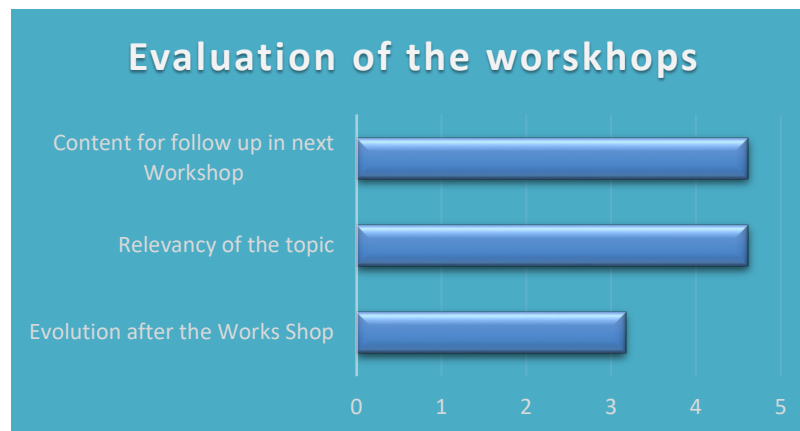- ALARA in accident and post accident situation Lisbon 2017

Webinar

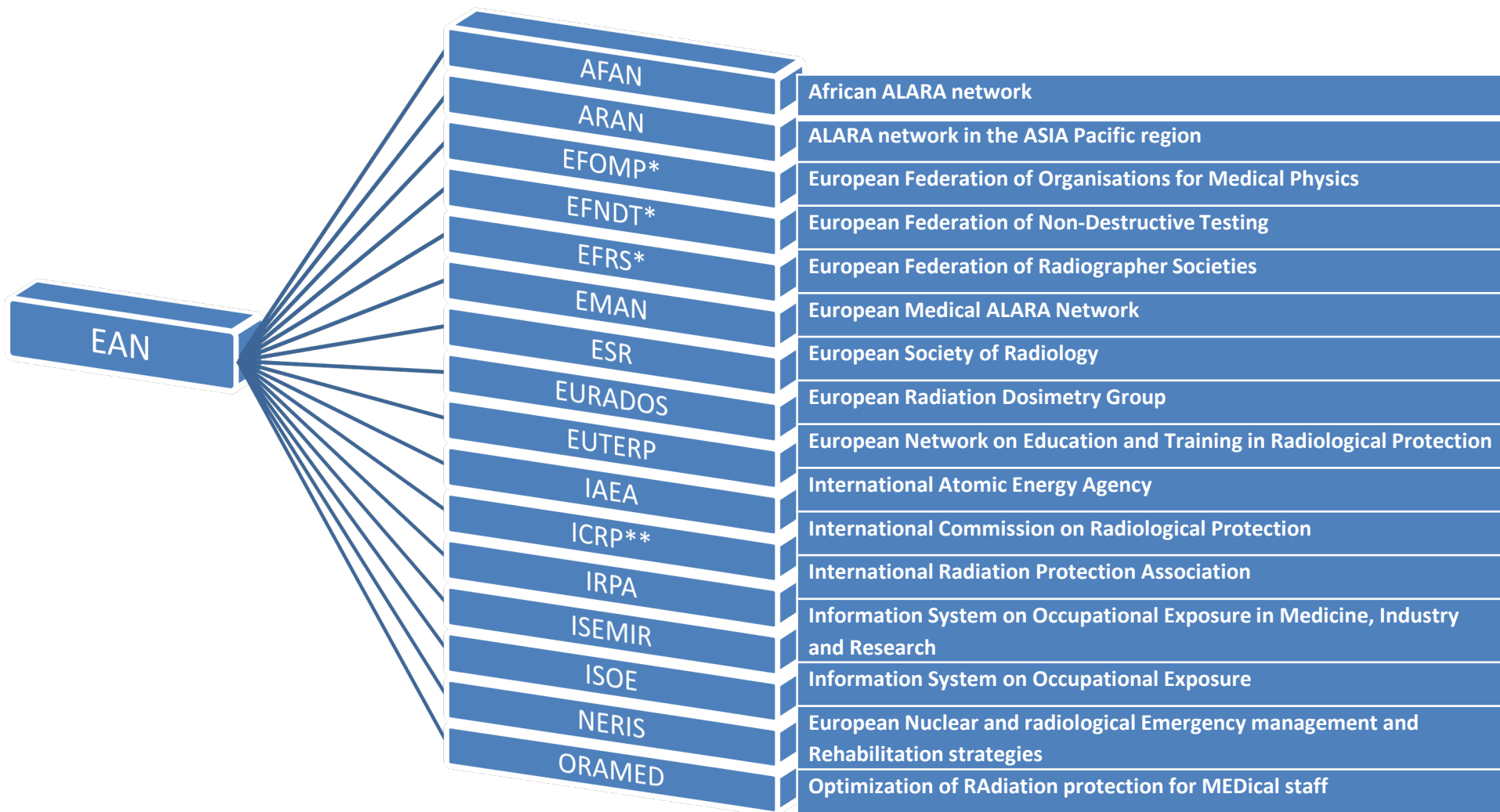- Challenges in applying the radiation protection system in the management of NORM and radon

20th Workshop

- Interventional techniques and nuclear medicine

Evaluation of the workshops

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Network with other networks or organisations

AFAN	African ALARA network
ARAN	ALARA network in the ASIA Pacific region
EFOMP*	European Federation of Organisations for Medical Physics
EFNDT*	European Federation of Non-Destructive Testing
EFRS*	European Federation of Radiographer Societies
EMAN	European Medical ALARA Network
ESR	European Society of Radiology
EURADOS	European Radiation Dosimetry Group
EUTERP	European Network on Education and Training in Radiological Protection
IAEA	International Atomic Energy Agency
ICRP**	International Commission on Radiological Protection
IRPA	International Radiation Protection Association
ISEMIR	Information System on Occupational Exposure in Medicine, Industry and Research
ISOE	Information System on Occupational Exposure
NERIS	European Nuclear and radiological Emergency management and Rehabilitation strategies
ORAMED	Optimization of RAdiation protection for MEDical staff

EAN

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Key ALARA themes 2021-2026

- Strategic agenda for 2021-2026.
  - Medical field
    - interventional radiology
    - new imaging techniques
    - the production and safe use of new radiopharmaceuticals, with special attention to exposure situations involving alpha exposure.
  - Nuclear industry, research and the medical field EAN
    - further harmonization of practices in the implementation of the ALARA principle.
    - maintaining and further developing knowledge and skills in these fields.

Conclusion

- Networks create focal points enabling
  - People to meet and exchange information and experiences on good practises
  - to identify issues of common interest
  - to find solutions to resolve identified issues
- Network output
  - Provides information on the practical implementation of optimization

Thank you

Gaining interest in the EAN and its activities?

www.eu-alara.net

And remember that EAN is an open network!