



EAN General Objectives

- **Promote the implementation of the ALARA principle for the protection of workers, public and patients in all exposure situations**
- **Engage stakeholders in ALARA and provide a focus and a mechanism for the exchange and dissemination of information, knowledge and practical experience**
- **Identify and investigate topical issues of common interest to further improve the development of ALARA culture.**



EAN model

- **Structure of membership**
 - Administrative Board Members
 - Steering group members
 - Organisations
 - Individual members
 - *To be explored*
 - *Tasks and privileges*
 - *Influence on the terms and conditions*
- ***Examine the format of the AB and SG meetings***
- **Financial structure**
- **Involvement of the next generation**
 - *Mentoring by the current members*
 - *Promotion of workshop participation and mentoring during the workshop*
 - *Special attention must be for the next WS*
 - *Assistance to the steering group members*
 - *Participation in survey's*
 - *Discussions during the SG-meetings*
 - *Participation to WG's*
 - *Use of e-tools*



EAN model (2)

- **Increase the stakeholder involvement**
 - *Targeted invitation to WS*
 - *Attention for the next WS*
 - *Targeted and explicit invitation to activities of the network*
 - *Practitioners should be targeted (investigate finan. Supp.)*
 - *Some big companies involved with the RP risk*
 - *Promote the forum*
 - *Linked in*
 - *Face book*
 - *Twitter*
 - *Must be further investigated by a part of SG*
 - *Involvement of the new generation (SG members make a selection)*
- **Communication**
 - *RP-journals*
 - *Participants in WS need to provide papers (for further publishing)*
 - *Newsletter contribution*
 - *Journals*
 - *Investigate links to editorial boards of RP and safety journals, medical, ...*



Elements of a network

- **Search tool**
- **Alerting Mechanism**
- **Information provider**
- **Forum for discussion and problem solving**
- **Screening mechanism**
- **Feedback mechanism**
- **“think-tank” or originator**



Search tool

- **A lot of information is available on the EAN website**
 - Workshop presentations, recommendations and summaries
 - Information on surveys on different topics are available
- **What can be improved**
 - Provide the profiles of the key members (experts) in more detail. Action to everybody to fill in the profile so people can find the right expert or experts in the network on the web site.
 - *Establish a format*
 - Some experts could provide some further contacts to other experts in certain topics for instance links to experts in other networks
 - *Experts from WS participation*
 - The information available on the website should be reviewed and augmented with metadata that would allow a "time saving" search of the website.



Alerting Mechanism

- **Not our main task**
- **Alert have been given in the past**
 - Co60 sources
 - Handheld radiation devices
- **but efforts should be done**
 - by every representative to bring the information on incidents to the steering group meetings
 - Examining a tool to post these messages and alerts on the website ?
 - Use the RELIR/OTHEA tool for the return of experience
 - Efforts to propose more cases with lessons learned



Information Provider

- **Already a lot of information is readily available on the website**
 - Workshops, surveys, newsletters, recommendations
- **improvements**
 - Are the results of the questionnaires easily available ?
 - Are the results of the questionnaires used in position papers or recommendations with regard to practical ALARA ?
 - Stimulate contributions to questionnaires (involvement of the new generation)



Forum for discussion and problem solving

- **Free and informal discussion on the practical implementation of ALARA within**
 - Steering group
 - Workshops (with stakeholders)
- **Make the results of the discussions available to external stakeholders ie. EC, HERCA and ICRP**
- **Show that EAN has the tools and the network to provide the feedback from the practical applications**
 - *Discuss ALARA subjects with regular outputs*
 - *Structure for the discussions and the outputs*
 - *Mini-workshops (involvement of other stakeholders)*



Forum for discussion and problem solving

- **Opportunities in the field of NDT and industrial radiography**
 - Workshop on Practical ALARA in Industrial radiography and non-destructive testing
 - Co-operation with ICRP
 - Invite an ICRP member of C4 to participate in the PC of the next workshop (in Geneva)
 - *Message to Don Cool*
 - Role of EAN Provide further topics (elements for the terms of reference) to ICRP C4 after discussion with EFNDT
 - *Interaction before PC*
 - *Input from ISEMIR*
 - Formulate recommendations towards the end users (the ones who need to be protected)



Forum for discussion and problem solving

- **Opportunities in the medical field**
 - Re-examining the ALARA-protection approach from the bottom up in the medical field (medical staff, patients) (after informal discussion MC ICRP)
 - In close connection with EMAN (opportunity to reactivate the fruitful contacts during the Oscarborg WS in the medical field)
 - What do we want to achieve in the practice and how can we organise the protection ALARA
 - Connection with EFOMP, EFRS, ESR
 - Possible collaboration with ICRP



Forum for discussion and problem solving

- **Opportunities in the nuclear industry**
 - Re-examining the ALARA protection approach from the bottom up in nuclear industry
 - Connecting to ISOE to examine the ALARA approaches in the nuclear industry
 - Examine the possible criticisms on the current ALARA application
 - Possible collaboration CRPPH
 - Not a priority now



Forum for discussion and problem solving

- **Opportunities in relation to the ALARA guide book**
 - Discussion the ALARA book with ICRP
 - Review of the book by ICRP, discussion of the comments
 - Self reference to EAN
 - Review by other stakeholders of the ALARA book
 - Additional examples
 - Endorsement
 - EMAN
 - EFOMP
 - EFRS
 - ESR
- **Opportunities for collaborations with EC**
 - OPERRA/EJP European Joint Program
 - Provide the evaluation of the possible practical implementation of the research results within OPERRA
 - Provide comment on research priorities
 - (funding issues)



Forum for discussion and problem solving

- **Other opportunities**
 - Discussion on ethics in RP, the tolerability of risk
 - Striking the balance between protection and risk, what is reasonable (what needs to be optimised, what is deminimis)
 - Discussions in the field of existing exposure situation: contaminate site or post-accident exposures
 - Discussion in the field of existing exposure situation: NORM and Radon
 - ALARA in design, what is reasonable
 - Possible discussions with OPERRA, ICRP, EC



Forum for discussion and problem solving

- **Opportunities for collaboration with other networks**
 - Relation to HERCA
 - Clear positioning as a network with respect to HERCA activities (a regulators network)
 - Mutual presentations to show the strengths of the networks
 - Presentation to HERCA, with the use of the strategic plan
 - ALARA book
 - SLO
- **EAN/ERPAN**
 - Is a network that involves different stakeholders and can act as a platform where feedback from other organisations (EMAN, EFOMP, EFNDT,) with respect to practical implementation of ALARA can be gathered and can be communicated to HERCA for consideration in the regulatory approach or to ICRP for the approach from principles.



Forum for discussion and problem solving

- **Opportunities for collaboration with other networks**
 - Contact with the other networks in topical meetings in connection to the steering groups meetings
 - EURADOS
 - Eye lens survey
 - EUTERP
 - EFNDT
 - EMAN
 - ...
 - Identify topics with respect to practical implementation of ALARA and discuss them



Screening mechanism

- **Surveys on different issues are available**
- **Opportunities for collaboration with EC**
 - Propose to perform surveys on the implementation of ALARA approaches in the new BSS
 - Present the EAN capabilities to survey and evaluate the practical implementation of ALARA in the context of the new BSS (with a clear definition of the scope of the surveys)
 - The surveys should be endorsed (supported) by the EC
 - Implementation program opportunities



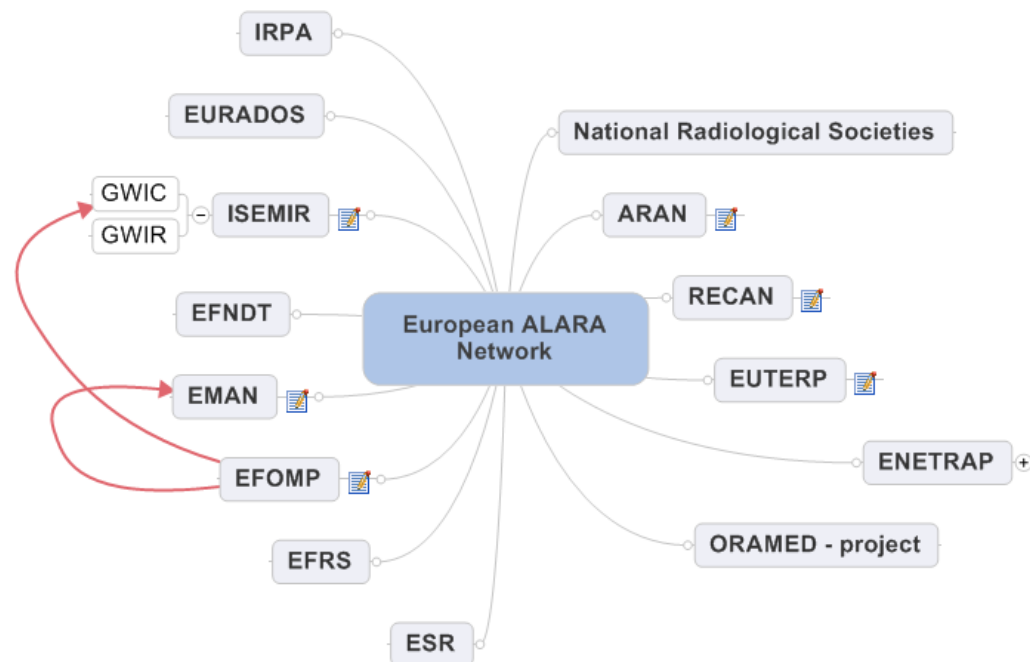
Feedback Mechanism

- **Newsletter**
- **Events in the different countries (ALARA news)**
- **RELIR/OTHEA**
- **Opportunities**
 - (RELIR)/OTHEA
 - Clear ownership of the instrument as a tool of the network
 - Priority to enlarge the database with contributions from the different countries
 - New generation input
 - Other language (German, ...)



“think-tank” or originator

- **Original thinking**
 - workshops
- **Influencing other stakeholders**
 - Interactions with
 - EC
 - ICRP
 - EMAN
 - ENORM
 - EFNDT
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Summary

- **Definition of objectives**
- **EAN model and organisation**
- **Improvement of the accessibility of the existing information**
- **Organising mini-brainstorming on specific topics**
- **Opportunities in the field of NDT and industrial radiography**
- **Opportunities in the medical field**
- **Opportunities in the nuclear industry**
 - Collaboration with ISOE and OECD/NEA, CRPPH
- **Opportunities in relation to the ALARA guide book**
- **Other opportunities**
 - Tolerability, reasonable, ethics
- **Opportunities for collaboration with EC on BSS**
- **Opportunities for collaboration with other networks**
 - EAN norm (joined workshop ? 2015 co-chairing)
- **RELIR/OTHEA**
- **Topics and planning of the WS in the next five years**
 - NDT (Bern March 2016)
 - EAN norm (? Dec 2015)
 - Medical (?)
 - ALARA in Emergency and recovery after an accident(? Collaboration with NERIS ?)
 - ALARA in nuclear installation