

EAN WORKSHOPS

Objectives

- Exchange feedback ©
 - Different stakeholders
- Aid the implementation of ALARA in practice
- Identify issues for further research and developments
- Provide conclusions and recommendations



Aims of the 14th Workshop

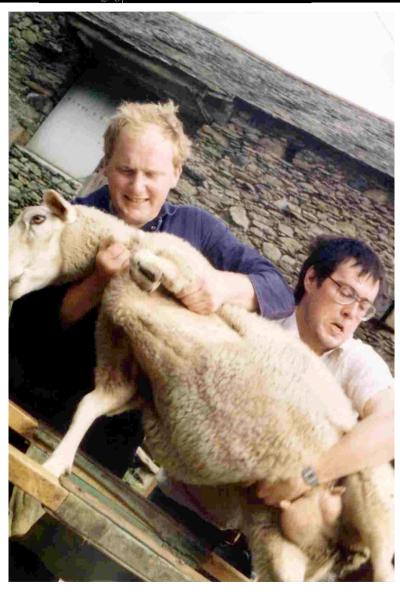
- To consider how the ALARA principle can be applied to the whole range of existing exposure situations, including
 - the wider principles and strategies that might be adopted
 - specific methods for implementing ALARA in practice
- To bring together stakeholders
 - to exchange practical ideas and experience
 - to identify further improvements
 - to produce recommendations
- To NOT have a series of mini-workshops (Rn, NORM, etc.)



Issues and themes from the Workshop

Oral Presentations





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



Issues and themes from the Workshop

Oral Presentations



1. Characteristics of Existing ES

- Diverse sources natural and man-made
- Wide range of doses (and distributions)
 - From 0.01 to 1000+ mSv/y!
 - Public and occupational
- Wide range of actors and stakeholders
 - ALARA requires action at all levels
- Diverse "mechanisms of control"
 - not just regulation
- Very diverse potential for ALARA
 - From cosmic rays (low) to Rn (high)

2. Which exposure situation?

- EXISTING or (treated as) PLANNED?
 - Depending on the dose? (eg Rn at work)
 - Depending on the Bq/g? (eg NORM)
 - Not based on the timeline, but to define what is "normal", and what should be controlled?
 - interface with exclusion/exemption ("end of story")?
- NORM residues in building materials an Existing ES
 - For residues not yet used?
 - Requiring prior authorisation?

3. ICRP \rightarrow BSS (\rightarrow "control")?

- Reference Level Action Level?
 - ALARA always → ALARA above?

But maybe...

- Principle Practice?

And...

- "use the most practical mechanism of control..."
- "full control (ALARA?) may take a long time..."

4. Stakeholder engagement

- Involvement at all levels (and consider all hazards)
 - From start to finish
- Dignity and respect for individuals and local cultures
- Focus on shared ethics and values
 - Different for different exposure situations?
- Clear and repeated 2-way communications/feedback
 - Decoding the message!
- Self-help?
 - cannot be forced on people
 - cannot achieve ALARA by itself

5. Other issues

- Heterogenous contamination
 - Probabilistic exposures, deterministic effects
- Interface with existing systems and controls
 - contaminated land (soil) criteria
 - industrial hygiene in NORM industries
 - Restrictions on aircrew
- Post-emergency situations
 - Preparing for and managing the transition
 - Establishing coherent reference levels (foodstuffs, etc)
- Health economics (eg radon), "the new CBA"?
- Radon are there alternatives to remediation?



"Soft boundaries?"

- Reference levels need to be used with care
 - Interpreted as a LIMIT
 - Create a "step change"?
 - Too low: no possibility of "success"
 - Can be difficult to measure/verify
 - eg below 1 mSv
 - Based on pessimistic scenarios
 - Of little value? (aircrew?)
- Maybe need more emphasis on the process rather than the end-point?

RECOMMENDATIONS





Dissemination of Workshop conclusions

- EAN dissemination
 - Website and Newsletter
 - PAPERS NEEDED!
 - To partner organisations, societies and networks
 - National Journals (UK, France, Other?)
- Further actions? Follow up?



Thank you



15th EAN Workshop on ALARA Culture

CROATIA
Rovinj, Istria
12-15 May 2014



