Programme

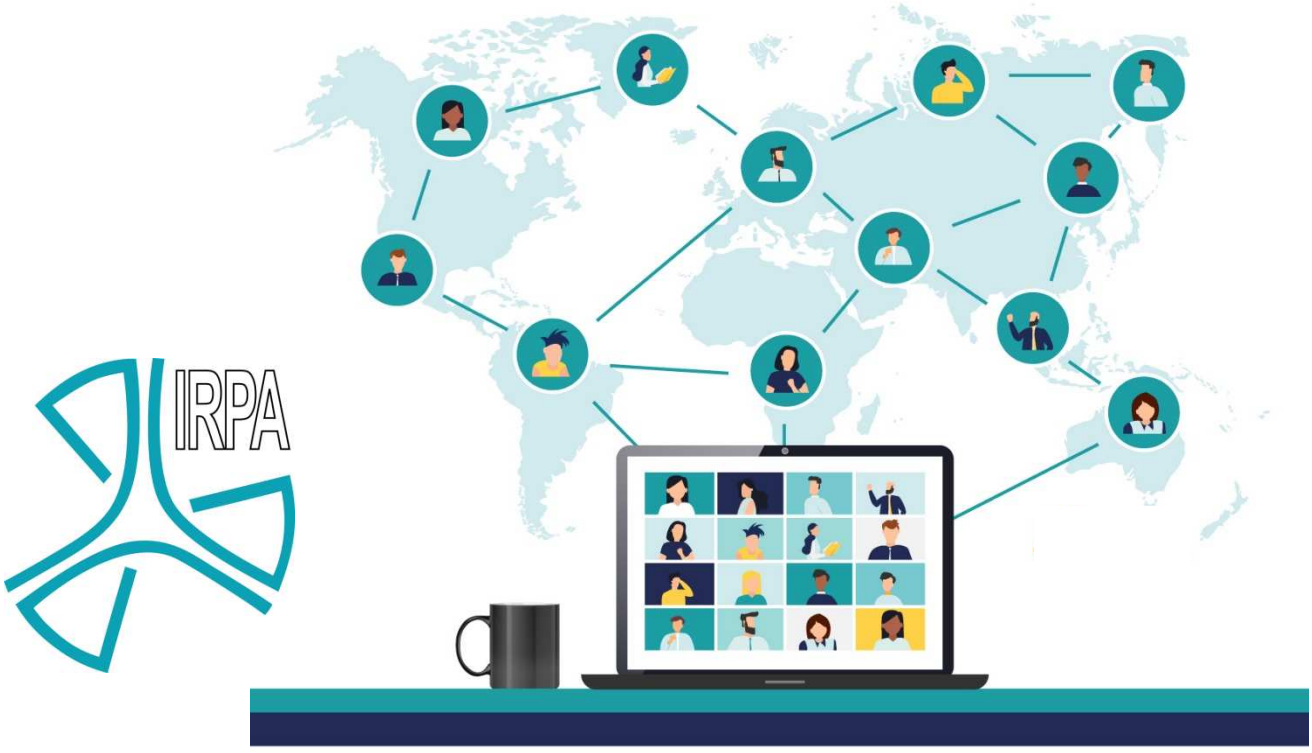
SFRP
Société Française de Radioprotection

3rd SFRP/IRPA workshop

Tolerability and reasonableness

Virtual meeting

4-5 May, 2021



IRPA

Preamble

Following the discussion during the IRPA 14 Congress in Cape Town (South Africa) in 2016, the SFRP proposed to engage a brainstorming on the practical implementation of ALARA and the meaning of reasonableness while implementing the radiological protection system. For this purpose, two workshops were organised in Paris in February 2017 and in October 2018. The lessons of the two workshops were published in the journal 'Radioprotection' in 2019 (https://doi.org/10.1051/radiopro/2019037). The brainstorming is continuing at international level. Notably, in the perspective of updating its general recommendations (Pub 103, 2007), the ICRP launched a Task Group on reasonableness and tolerability in the system of radiological protection (TG 114). In that spirit, the SFRP organises now a third workshop focused on the notion of tolerability and its link with the notion of reasonableness. This flyer presents the general objectives and the possible format of the workshop as well as the organising committee.

Context

According to the so-called tolerable risk model set for practices by ICRP in its Publication 60 (1991), the range of a tolerable risk is between an unacceptable risk and an acceptable risk (see para 150). In this model, set only for practices, now planned exposure situations, the border between a tolerable risk and a unacceptable risk is the compliance with the dose limits and the risk may be acceptable when the protection is optimised. While the term reasonable, which is part of the acronym ALARA, is directly linked with the optimisation principle, the term tolerable seems to be linked with the principle of application of the dose limits, as far as this principle applies. In the ICRP Publication 138 (2018) on the ethical foundations of the system of radiological protection, the term tolerability is defined as: the degree or extent to which something can be endured. It may be useful now to question whether the tolerable risk model from Publication 60 remains valid for planned exposure situations and what constitutes the line between unacceptable and tolerable when dose limits do not apply.

Objective

After two workshops exploring the sense of reasonableness in the practical implementation of the optimisation principle, the third workshop will be dedicated to the sense of tolerability (or non-tolerability) in the radiological protection system, and its link with the notion of reasonableness. The objective is to explore this notion for three topics: radon exposure, exposure from Naturally Occurring Radioactive Materials (NORM) and the dismantling of nuclear installations. Like the previous workshops, the work will be based on case-studies and working groups.

As regards to the three selected topics, radon exposure and exposure from NORM are existing exposure situations (from an ICRP point of view) although several authorities do apply the dose limits in some cases. The dismantling of an installation is a planned exposure situation although some questions raised in such an operation are similar to those posed in case of contaminated sites. The case-studies will be selected in order to raise the question of the tolerability and unacceptability of the risk (or the situation) and why.

Programme of the workshop : Day 1

Tuesday May 4	
Plenary session	
13:00	Welcoming address
13:10	Presentation of ICRP/TG 114 ***Thierry Schneider (CEPN) – France***
13:20	Presentation of ISO/IEC Standard 53-940Guide 51 ***Yann Billarand (IRSN) – France***
13:30	**RADON: presentation of 3 case-studies** ❖ Experiences from a high radon area in Norway ***Anne-Liv Rudjord (DSA) – Norway*** ❖ Prioritization of radon remediation in existing buildings ***Martha Palacios (FOPH) – Switzerland*** ❖ Bessines-sur-Gartempe: a house built on radium residues ***Alain Rannou (IRSN) – France***
14:15	Discussion
14:30	**Break**
15:00	**NORM: Presentation of 3 case-studies** ❖ NORM mitigation issues in a sandy desert area (*tbc*) ***Gert Jonkers – Netherland*** ❖ Management of posphogypsum in ponds (example of Huelva City) ***Juan-Carlos Mora-Canadas (CIEMAT) – Spain*** ❖ Management of residues from coal-fired power plants ***Juan-Carlos Mora-Canadas (CIEMAT) – Spain***
15:45	Discussion
16:00	**DISMANTLING: presentation of 3 case-studies** ❖ Dismantling of buildings at the Safety Light Superfund site ***Ann DiDonato (EPA) – USA*** ❖ Interpreting Tolerability and Reasonableness in the Context of Risk Management for Decommissioning ***Graham Smith (GMS Abingdon Ltd) – United Kingdom*** ❖ Land remediation on NPP of Brennilis: an optimized approach ***Sylvaine Maurau (EDF) – France***
16:45	Discussion
17:00	**End of the 1st day**

Programme of the workshop : Day 2

Wednesday May 5	
Working group session	
13:00	3 Working groups (1 for each topic)
15:30	**Break**
Plenary session	
16:00	Report of the working groups
16:30	General discussion
16:55	Synthesis and conclusion
17:00	**End of the 2nd day**

Date and venue

- 4 and 5 May 2021 as a virtual meeting (using Teams)
- From 13:00 (CET) to 17:00 each day
- Around 50 participants are expected

Organising committee (SFRP – France)

- Jean-François Lecomte
- Thierry Schneider
- Valérie Chambrette
- Bernard Le Guen
- Yann Billarand
- Caroline Schieber
- Ludovic Vaillant
- Sylvain Andresz

Corresponding members (preliminary list)

- Peter Bryant (SRP - UK)
- Marie Claire Cantone (AIRP – Italy)
- Kunwoo Cho (KARP – Korea)
- Chris Clement (ICRP)
- John Croft (SRP – UK)
- Sybille Estier (FS-Switzerland)
- Eduardo Gallego (SEPR – Spain)
- Jacqueline Garnier-Laplace (CRPPH-NEA)
- Klaus Henrichs (FS – Germany)
- Michiaki Kai (JHPS – Japan)
- Bernard Le Guen (SFRP & IRPA)
- Thierry Sarrazin (SFRP – France)
- Fernand Vermeersch (European ALARA Network)

Registration Form

Participation to virtual workshop is free but the attendance will be limited to about 50 participants.
Participants must check to be able to connect to Teams device.
Teams links will be send to participants for different workshop sessions, a few days before.

To register, please send this form by email to christine.guerreiro@irsn.fr

Deadline for registration: 25th April 2021

NAME	
FIRST NAME	
SOCIETY/ORGANISM	
ADDRESS	
E-Mail	

Select the preferred order of your participation in workshing group	
Working group N°1 : radon exposure	
Working group N°2 : exposure from Naturally Occurring Radioactive Materials (NORM)	
Working group N°3 : dismantling of nuclear installations