



Programme

2nd IRPA workshop on reasonableness in the implementation of the ALARA principle

23-24 October, 2018

Paris - FRANCE



Espace IESF

7, rue Lamennais
75008 Paris

Context

Optimisation principle is the cornerstone of the Radiological Protection (RP) system. However, it is recognized that the “reasonable” level of protection according to the ALARA principle is not easy to demonstrate. Taking into account the benefit of feedback experience from different countries and complementing IRPA's reflection in the 2016 IRPA letter on the evolution of the RP system, SFRP proposed an initiative on the search for reasonableness. This initiative was agreed during IRPA 14 Congress in Cape Town in May 2016. A first workshop was organised in Paris the 23-24 February 2017. Several attendees, from European, Japanese and Korean RP Societies, and International Organisations (IRPA, ICRP, NEA, WHO, EAN) shared their experience.

The objectives of the first workshop were to review the foundation of the optimisation principle (ICRP system, ethical dimensions, ALARA culture) and examine the practical implementation of this principle in 3 sectors: nuclear, medicine, existing exposure situations (radon, radium, post-accident). The participants tried to answer the question: how low is low enough? The main conclusions of the first workshop were that in all sectors, optimisation remains a challenge and that optimisation is a deliberative process to achieve a reasonable “compromise” with all (informed) stakeholders. The synthesis of the first workshop was published in “Radioprotection” (2017, Vol 52, N°4).

With the second workshop, the objective is to show how the search for reasonableness can be practically done through continuous dialogue. The workshop will be focused on case-studies:

- **Related to public, occupational and patient exposure (e.g. discharges, waste, legacies, medical procedures);**
- **In the 3 sectors (nuclear, medical, existing exposure situations);**
- **Showing the involvement of stakeholders including capacity building.**

Programme committee: corresponding members

- Marie-Claire Cantone (AIRP – Italy)
- Roger Coates (IRPA)
- John Croft (SRP – UK)
- Eduardo Gallego (SERP – Spain)
- Franck Hardemann (ABR – Belgium)
- Klaus Henrichs (FS – Germany)
- Jean-Francois Lecomte (SFRP – France)
- Bernard Le Guen (SFRP & IRPA – France)
- Christophe Murith (FS – Switzerland – Germany)
- Thierry Schneider (SFRP – France)
- Fernand Vermeersch (European ALARA Network)

Programme

Tuesday, 23 October 2018

08:00 Welcome and registration

09:00 Welcoming address (Bernard Le Guen) ; Introduction (Roger Coates)

09:15 Feedback from 1st workshop ALARA in February 2017 (Jean-François Lecomte)

09:30 Plenary session : case studies in nuclear sector (Chair : Thierry Schneider)

- **09:30** Relationship between EDF and its contractor Comex in the optimisation process for the replacement of pressurizer electrical heaters ♦ *Joël Achar, France*
- **10:00** Implementation of ALARA in the operation of a nuclear power plant ♦ *Eduardo Sollet, Spain*
- **10:30** Examples of ALARA/ALARP and BAT in the UK nuclear sector, and challenges for the future ♦ *John Croft, UK*

11:00 Coffee-break

11:30 Plenary session : case studies in medical sector (Chair : Bernard Le Guen)

- **11:30** Province-wide dose optimisation in CT and PET-CT through a collaborative and multidisciplinary approach, in Canada ♦ *Manon Rouleau, Canada*
- **12:00** Effective engagement of the CT department personnel of a public hospital in the implementation of the optimisation principle ♦ *Sotiris Economides, Greece*
- **12:30** Image quality versus patient dose: analysis of the Italian case in the implementation of ALARA in aortic CT angiography ♦ *Oswaldo Rampado, Roberto Ropolo, Italy*

13:00 Lunch

14:00 Plenary session : case studies in existing exposure situations (Chair : Jean-François Lecomte)

- **14:00** Radiological legacies of the Swiss watch industry: how far do you have to go too far? ♦ *Christophe Murith, Switzerland*
- **14:30** Radon programme of the Czech Republic - New findings and challenges ♦ *Ivana Fojtikova, Ales Fronka, Katerina Navratilova Rovenska, Czech Republic*
- **15:00** Monitoring of drinking water : search for “reasonable” level in Belgium after a few years of surveillance programs ♦ *Annie Vanderlinck, Belgium*

15:30 Coffee-break

16:00 Plenary session : case Non-ionising radiations (Chair : Jean-François Lecomte)

- **16:00** ELF magnetic fields and childhood leukemia ♦ *Emilie Van Deventer, WHO*

16:30 Working groups session :

Working group N^o1 on implementing ALARA in the nuclear sector

Chair: Caroline Schieber (SFRP)

Rapporteur: Eduardo Gallego (SEPR & IRPA)

Working group N^o2 on implementing ALARA in the medical sector

Chair: Stephane Jean-François (ACRP)

Rapporteur: Penelope Allisy (EUTERP)

Working group N^o3 on implementing ALARA in existing exposure situations

Chair: Amber Bannon (SRP)

rapporteur: Yann Billarand (SFRP)

Wednesday, 24 October 2018

09:00 Working groups session

10:30 Coffee-break

11:00 Report of the working groups and general discussion

12:15 Conclusions and closure of the workshop (Bernard Le Guen)

13:00 Lunch

Informations

Location of workshop

In the center of Paris :

Espace IESF, 7, rue Lamennais, 75008 Paris

« Georges V » or « Charles de Gaulle Etoile » Metro stations : Lines 1-2-6

RER A : Charles de Gaulle Etoile

Bus : N°22-30-43-73-N11-N24-N53

Dinner in Bistrot Marbeuf

Tuesday, 23rd October
20:00 – 22:00

This dinner is included in the fees.

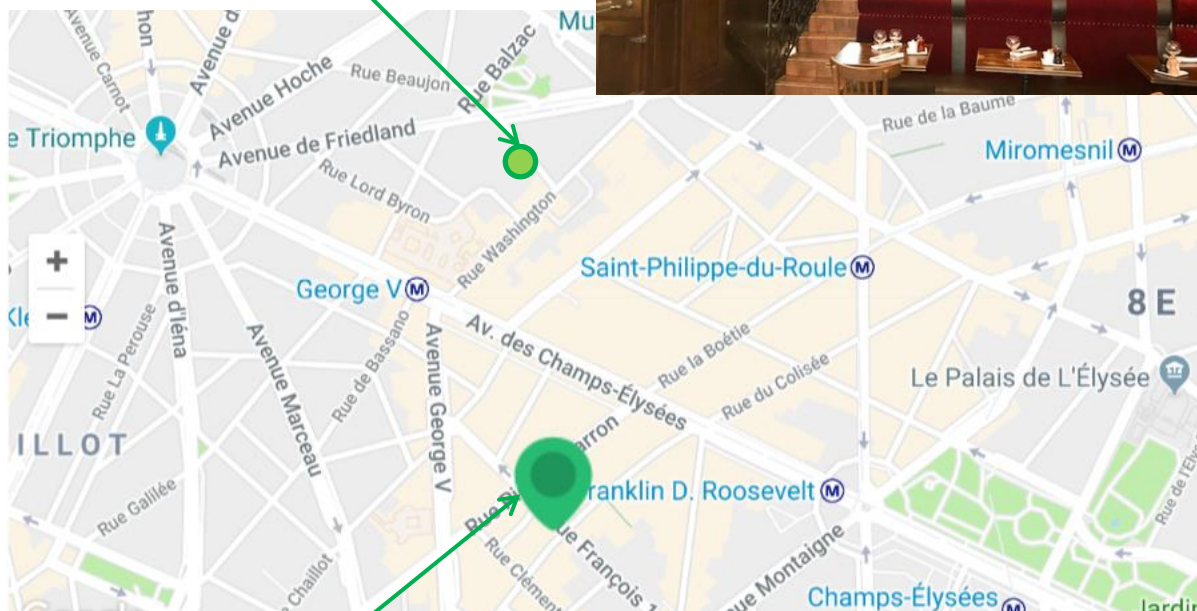
Possibility for accompanied person (with supplement : 60 €)

Location : 21 rue Marbeuf - 75008 PARIS

Metro station : Georges V (Line 1)



**Espace IESF
7 rue Lamennais**



**Bistrot Marbeuf
21 rue Marbeuf**