

## ICRP Committee 1 Meeting

19, 26, 27 April 2023 – virtual meeting on Teams

The C1 Spring meeting was held virtually and was organised by D Laurier, G Woloschak and E Ainsbury. Almost all C1 members attended (fully/partially). C1 includes 18 members from 10 countries with expertise in biology, genetics, human medicine, mathematics and statistics, physics and dosimetry, epidemiology, and radioecology. L Hafner attended as C1 intern. The five observers from IAEA, MELODI, UNSCEAR, IARC and WHO were also invited.

### Update on Task Groups

**TG91 Radiation Risk Inference at Low-dose and Low-dose Rate Exposure for Radiological Protection Purposes: Use of Dose and Dose Rate Effectiveness Factors** (Chair W Ruhm).

**TG99 RAPs Monograph** (Co-Chair J Garnier-Laplace and C Adam-Guillermin).

**TG111 Factors Governing the Individual Response of Humans to Ionizing Radiation** (Chair S Bouffler).

The abovementioned TG were not discussed in detail this time; the reports all remain close to being finalised and a further update is expected during the ICRP 2023 Symposium in Tokyo.

**TG115 Risk and Dose Assessment for Radiological Protection of Astronauts** (Chair W Rühm). Four manuscripts are now planned, two of which are well advanced. Draft report expected for Committee review in early 2024.

**TG118 Relative Biological Effectiveness (RBE), Quality Factor (Q), and Radiation Weighting Factor (w<sub>R</sub>)** (Chair G Woloschak). The draft table of contents has been elaborated and writing assignments have been given to the members. Draft for review by critical reviewers expected for 2024.

**TG119 Effects of Ionising Radiation on Diseases of the Circulatory System and their Consideration in the System of Radiological Protection** (Co-Chairs T Azizova and D Laurier). The draft table of contents has been elaborated. Collaboration with the UNSCEAR CircuDis expert group continues. Draft for review by critical reviewers expected for 2025.

**TG121 Radiation-Induced Effects on Offspring and Future Generations** (Co-Chairs R Wakeford and P Hande). The initial focus has been completion of a special issue on this topic to be published in the *Int J Radiat Biol*.

**TG122 Review of cancer risk models and non-radiation-related parameters and data for detriment calculation** (Co-Chairs R Wakeford and L Vaillant). Work is progressing well and collaboration with the UNSCEAR CanEpi expert group is well established.

**TG123 Classification of harmful radiation induced effects in human health for radiological protection purposes** (Chair L Vaillant, Co-Chairs L Ainsbury and F Zölzer). The current status of the evidence has been discussed and the approach to report writing has been agreed.

**TG128 Individualisation and Stratification in RP: Implications and Areas of Application** (Chair S Bouffler). This is a new TG, and members selection is in process. The focus will be low dose, low dose rate and chronic exposures and the TG will consider the evidence, the appropriateness, the benefits and challenges, and the potential consequences of individualisation or stratification.

### Other topics discussed during the meeting

Discussed topics were **Overview of recent projects and publications**, **Uncertainties in ICRP work**, the next **ICRP strategic priorities** and **ICRP Sustainable Development Goals**.

The **next meeting of Committee 1** will take place in person during the ICRP 2023 Symposium, in Tokyo, in November 2023.