

## ICRP Committee 1 Meeting

18-21 November 2025 – hybrid meeting in person (Foshan, China) and on Teams

The C1 Autumn meeting was held in hybrid format, hosted by the National Institute for Radiological Protection, China CDC, and Guangdong Province Hospital for Occupational Disease Prevention and Treatment. The meeting was organised by D Laurier, G Woloschak and E Ainsbury, with input from Q Sun and local colleagues. Almost all C1 members attended (fully/partially). C1 includes 19 members from 10 countries with expertise in biology, genetics, human medicine, mathematics and statistics, physics and dosimetry, epidemiology, and radioecology. The observers from IAEA, MELODI, UNSCEAR, IARC and WHO were also invited, as were colleagues from the Main Commission and other Committees, for topics of joint interest.

### 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 Rühm). The report is nearing completion and will be submitted to the MC in Q1 2025 for validation for public consultation before summer 2025.

**TG111 Factors Governing the Individual Response of Humans to Ionizing Radiation** (Chair S Bouffler). Good progress continues to be made on the draft report, with public consultation expected in 2025.

**TG115 Risk and Dose Assessment for Radiological Protection of Astronauts** (Chair W Rühm). A draft report for review by the critical reviewers expected in 2026.

**TG118 Relative Biological Effectiveness (RBE), Quality Factor (Q), and Radiation Weighting Factor (wR)** (Chair G Woloschak). A draft report for review by the critical reviewers expected in 2026.

**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). Work is progressing well and collaboration with the UNSCEAR CircuDis expert group continues. A draft report for review by the critical reviewers expected in 2026.

**TG121 Radiation-Induced Effects on Offspring and Future Generations** (Co-Chairs R Wakeford and P Hande). The special issue of *Int J Radiat Biol.* is now published. A draft report for review by the critical reviewers expected in 2026.

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

**TG123 Classification of harmful radiation induced effects in human health for radiological protection purposes** (Chair L Vaillant, Co-Chairs L Ainsbury and F Zölzer). Good progress has been made reviewing the literature and drafting the initial sections of the report.

**TG128 Individualisation and Stratification in RP: Implications and Areas of Application** (Chair S Bouffler). The initial review of the literature and scoping for the report is progressing well.

### Other topics discussed during the meeting

Additional discussed topics included **updates on research looking at the high natural background radiation areas** and the forthcoming **Committee elections** in July 2025, as well as the overall status of the **review of the radiological protection System**.

The **next meeting of Committee 1** will take place in Video in April 2025.