

## ICRP Committee 1 Meeting

4-5 October 2025 – hybrid meeting in person and on Zoom

The C1 Autumn meeting was held in hybrid format, as a satellite to the ICRP Symposium 2025. The meeting was organised by D Laurier, G Woloschak and E Ainsbury, with input from the local organisers. 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. Representatives from the IAEA, IARC, MELODI, UNSCEAR 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 public consultation has been completed, the report is now almost finalised and is scheduled for approval for publication in 2026.

**TG99 Considering the Environment When Applying the System of Radiological Protection: Part 1 Broadening the Reference Animals and Plants Approach and Related Derived Consideration Reference Levels** (Co-Chairs C Garnier-Laplace and Christelle Adam-Guillermine). The public consultation has been completed, the report is now finalised and should be approved for publication before end of 2025.

**TG111 Factors Governing the Individual Response of Humans to Ionizing Radiation** (Chair S Bouffler). The draft report is almost finalised, and should go on public consultation at the beginning of 2026.

**TG115 Risk and Dose Assessment for Radiological Protection of Astronauts** (Chair W Rühm). A draft report for public consultation is expected in late 2026.

**TG118 Relative Biological Effectiveness (RBE), Quality Factor (Q), and Radiation Weighting Factor (w<sub>R</sub>)** (Chair G Woloschak). A draft report for review by the critical reviewers is expected in 2027.

**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). A draft report for review by the critical reviewers expected in 2027.

**TG122 Review of cancer risk models and non-radiation-related parameters and data for detriment calculation** (Co-Chairs R Wakeford and L Vaillant). A draft for review by the critical reviewers is expected in 2027.

**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 continues to be 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). Development of the report is progressing well.

### Other topics discussed during the meeting

Additional discussed topics included **several recent important publications**, joint discussions with other committees on the **Working Parties on AI and New Therapies**, as well as the overall status of the **review of the System**.

The **next meeting of Committee 1** will take place online in Spring 2026.