

ICRP Committee 1 Meeting

9, 10, 11, 24th April 2025 – online meeting on Teams

The C1 Spring meeting was held online, over four separate two hour sessions in April 2025. The meeting was organised by D Laurier, G Woloschak and E Ainsbury. 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). Public consultation including workshop is scheduled in spring 2025. Final validation is expected before the end of 2025.

TG99 Radiation Protection of the Environment Part 1 (Co-chairs J Garnier-Laplace and C Adam-Guillermín). Public consultation will open shortly, with publication planned in 2026.

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 critical review ongoing and 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 (w_R) (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 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 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 continues 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 the **ICRP working parties on AI, uncertainties and the next recommendations** and the **new Committee 1 membership** following the elections in July 2025.

The **next meeting of Committee 1** will take place in person as a satellite to the ICRP Symposium 2025, in Abu Dhabi, in October 2025.