

ICRP Committee 1 Meeting

21, 22 and 24 March 2022– Remote (virtual) meeting

Meeting was hosted by D Laurier (Chair), C Badie (Secretary), G Woloschak (Vice-chair). C1 includes 18 members from 10 countries with expertise in biology, genetics, medicine, mathematics and statistics, physics and dosimetry, epidemiology, and radioecology. L Hafner attended as C1 intern. Five observers from IAEA, MELODI, UNSCEAR, IARC and WHO were invited.

Update on Task Groups and Working Parties

TG64 report “**Risks from Plutonium and Uranium Exposure**” was released in December 2021 as Publication 150 and **TG102** report “**Radiation Detriment Calculation Methodology**” will be released in the first semester of 2022 as Publication 152.

TG91: Radiation Risk Inference at Low-dose and Low-dose Rate Exposure for Radiological Protection Purposes (C1, Chair W Rühm). Several articles have been published in the open scientific literature. An almost complete draft report has been elaborated. The draft report is expected for public consultation in 2023.

TG99: Reference Animals and Plants Monographs (C1-C4, Chairs C Adam-Guillermin and J Garnier-Laplace). Terms of Reference have been updated. The draft report is expected for public consultation in 2023.

TG111: Factors Governing the Individual Response of Humans to Ionizing Radiation (C1-C3, Chair S Bouffler). Several articles have been or will be published in the open scientific literature. The draft report for internal critical review is expected for 2023.

TG115: Risk and Dose Assessment for Radiological Protection of Astronauts (C1, Chair W Rühm). Most members are representatives of space agencies. The last meeting was held online in March 2022. The current situation in Ukraine has led to postpone the activities of the TG.

TG118: Relative Biological Effectiveness (RBE), Quality Factor (Q), and Radiation Weighting Factor (w_R) (C1-C2, Chair G Woloschak). A series of open zoom workshops has been launched on specific topics and will be continued in the next months. The draft report for internal critical review is expected for 2023.

TG119: Effects of Ionising Radiation on Diseases of the Circulatory System and their Consideration in the System of Radiological Protection (C1, Co-Chairs T Azizova and D Laurier). This TG was launched in April 2021. A framework for coordination with the UNSCEAR "CircuDis" expert group has been established. The draft report for internal critical review is expected for 2025.

TG121: Radiation-Induced Effects on Offspring and Future Generations (C1, Co-Chairs S Salomaa and R Wakeford). This TG was launched in November 2021. A Workshop will be jointly organized with the European radiation protection research platforms MELODI and ALLIANCE, as a satellite of the IRPA Europe congress (Budapest, May 31 - June 2, 2022). The draft report for internal critical review is expected for 2025.

Two WPs are ongoing: **WP “Update of detriment calculation for cancer”** (C1, Co-Chairs: M Hauptmann and R Wakeford) and **WP “Classification of harmful radiation-induced effects on human health for radiological protection purposes”** (C1, Chair: L Vaillant). Draft Terms of References will be prepared for evaluation at the next MC meeting.

Next C1 meeting: Vancouver, in person, November 6 & 11-13, 2022; prior to and after the ICRP Symposium – Vancouver, in person, 7-10 November 2022