

ICRP Committee 4 Meeting

October 9-15, 2017 – Paris, France

For the first meeting of its new term 2017-2021, the C4 covered a wide range of issues, including new activities related to its revised mandate.

Existing exposure situations: the C4 reviewed the report of *TG 76 on Radiological Protection from NORM in Industrial Processes*, which is expected to be approved for public consultation in 2018. The C4 also provided advice for continuing the preparation of the report of *TG 98 on Exposures arising from Contaminated Legacy Sites* to be in line with the other publications on existing exposure situations.

Response to Fukushima: the C4 requested *TG 93 on Protection in the Event of a Nuclear Accident* to take into account considerations on environmental and economic issues as well as on livestock and pets when finalizing its report updating *Publications 109 and 111*. The public consultation is expected in 2018. The C4 also decided to begin preparation of a terms of reference for a possible TG addressing concerns expressed by companies impacted by a nuclear accident (personnel, transport, goods...).

Environmental protection: With its new mandate, the C4 is now involved in several Task Groups, and the ongoing integration of protection of the environment into the system of protection. The report of *TG 74 on Dose Coefficients for Non-human Biota Environmentally Exposed to Radiation* has been approved by the Main Commission as *Publication 136*. The C4 reviewed the work of *TG 72 on Biota Radiation Weighting Factors for Reference Animals and Plants*. The corresponding report is almost ready for public consultation. The C4 also reviewed, jointly with C1, the work of *TG 99 on Reference Animals and Plants (RAPs) monographs*, whose purpose is to make a link between RAPs and Representative Organisms for risk assessment. Finally, the C4 discussed the work of *TG 105 on Considering the Environment when Applying the System of Radiological Protection*. Its report will propose a way for the integration of the protection of humans and non-human species in the ICRP system, by using case studies in the different exposure situations.

Foundations and fundamentals: the report of *TG 94 on Ethics of Radiological Protection*, describing the core ethical values of the system of radiological protection (RP), has been approved by the Main Commission for publication. The C4, in a joint meeting with C3, decided to propose the creation of a joint TG on the application of *Ethics in Radiological Protection in Medicine*.

Topical applications reports: the C4 reviewed the report of *TG 97 on Surface and Near-Surface Waste Disposal*. Several comments were made and the membership changed. The C4 also created a WP to explore the issue of RP in *Space Travel* and develop a Terms of Reference for a Task Group. Further, C4 and C3 decided to propose a joint TG on the application of the ICRP system in *Veterinary Practices*

(public and occupational exposures). Because of lack of time, the discussion about *TG 106 on Mobile Sources* was postponed.

Interaction with other Committees: The C4 met with C1 and discussed *TG 102 on Detriment Calculation* and *TG 91 on DDREF* as well as the issue of environment (see above). The C4 also met with C3 and discussed several issues: veterinary applications with animals as patients, medical intervention in situations where equipment and facilities may be contaminated (related to reaction to emergency situation), and the *C3 TG 89 on Occupational RP in Brachytherapy*. Finally, the C4 discussed the report of *C2 TG 79 on Effective Dose*, which will be soon submitted for public consultation.