

ICRP Committee 4 Meeting

November 8-15, 2018 – Abu Dhabi, UAE

ICRP Committee 4 covered the wide range of issues during its 2018 meeting in Abu Dhabi, hosted by the U.A.E. Federal Authority for Nuclear Regulation. The meeting was also in conjunction with the 1st UAE Radiation Protection Week, where several C4 members were involved as speakers.

Existing exposure situations: The report of *TG76 on Radiological Protection from NORM in Industrial Processes* has been approved by the MC for public consultation. The preparation of the report of *TG98 on Exposures Arising from Contaminated Legacy Sites* is on-going, including interaction with TG 105 for case studies (see below).

Environmental protection: The report of *TG72 on Radiation Weighting Factors for Reference Animals and Plants* has been approved by the MC for public consultation. C4 discussed the work of *TG105 on Considering the Environment When Applying the System of Radiological Protection*, which aims to propose a way for the integration of the protection of humans and non-human species in the ICRP system, based on case studies. Discussions included further considerations on ethical values, stakeholder involvement and practical implementation. Information about the on-going work of *TG99 on Reference Animals and Plants (RAPs) Monographs* was provided. C4 also received an update on *TG104 Integrating Protection of People and the Environment*, and discussed in the context of reflection on the system of protection.

Response to Fukushima: The report of *TG93 on Protection in the Event of a Nuclear Accident* updating *Publications 109* and *111* will be submitted to a specific consultation of SLOs and stakeholders early 2019. The issue of *business activities* affected by a nuclear accident will be addressed in the report and further investigated with concerned parties. Committee 4 agreed that it is time to consider a report on other types of emergency situations, including update of *ICRP Publication 96*, and has formed a Working Party.

Topical applications reports: C4 reviewed the report of *TG97 on Surface and Near-Surface Waste Disposal*. Substantial progress has been made. Work continues in coordination with TG93 and TG98. C4 will contribute to an ICRP initiative on the issue of RP in *Space Travels*, which is on the agenda of the 2019 ICRP Symposium in Adelaide, Australia.

Reflection on the ICRP System: C4 discussed the *definitions of some terms* that are important for the interpretation of the ICRP System (e.g. occupational exposure) as part of a project to develop an ICRP Glossary. It was agreed to create a WP on the concepts of *reasonableness* and *tolerability* applicable to all exposure situations. It was also agreed to launch a reflection on ICRP System as an input for its future revision.

C3/C4 Task Groups: Together with some C3 members, C4 discussed the launching of *TG109 on Ethics in Radiological Protection in Medicine* and *TG110 on the Application of the ICRP System in Veterinary Practices*. The mandate of TG110, initially focused on the protection from public and occupational exposures, has been extended by the MC to the protection of animals as patients.

Interaction with other Committees: C4 was provided information on the work of *C2 TG79 on Effective Dose*, *C1 TG91 on DDREF*, *C1 TG102 on Detriment Calculation*, and the joint *ICRP/ICRU work on operational quantities for external exposure*.