

ICRP Committee 2 Meeting

October 9–14, 2017 – Paris, France

The first meeting of the 2017–21 term was held jointly with those of other committees and the joint symposium of the ICRP and European Radiological Protection Research Week (ICRP/ERPW2017). Discussions focussed on Task Group progress and other issues included: (1) a joint report with ICRU to update ***operational quantities*** used in measurement of external radiation exposures; (2) dosimetry for non-human biota; and (3) dosimetry in emergencies.

Task Group 96 on ***Computational Phantoms and Radiation Transport***. A report on ***internal radiation transport calculations for adults*** was issued as ***Publication 133***. Work on paediatric phantoms is nearing completion and public consultation is expected in 2018. TG 96 phantoms will be used for all calculations of *Publication 103* based dose coefficients. The parallel Task Group 103 on ***Mesh-Type Reference Computational Phantoms*** is converting phantoms to high-quality mesh format to address some limitations of the voxel-type phantoms and allow all calculations to be done with the reference phantoms. A report on adult mesh-type phantoms will be completed during 2018.

Task Group 95 on ***Internal Dose Coefficients***: Part 1 of a series on ***Occupational Intakes of Radionuclides*** was issued in 2015 as ***Publication 130***. Part 2 provides the first set of *Publication 103* compliant dose coefficients and associated bioassay data for a number of elements and was issued as ***Publication 134***. Part 3 is in press as ***Publication 137*** and includes radon; Part 4 will be completed during 2018. Work is also in progress to replace public dose coefficients.

Task Group 90 on ***Age-dependent Dose Conversion Coefficients for External Exposures to Environmental Sources***: Work to provide dose coefficients for external exposures of members of the public will be completed during 2018.

Task Group 79 on ***The Use of Effective Dose as a Risk-Related Dosimetric Quantity***: This report from this cross-committee task group will provide advice on the use of effective dose. Public consultation has been approved by the Main Commission and will take place during 2018.

Task Group 74 of Committee 5 on ***More Realistic Dosimetry for Non-Human Species*** prepared ***Publication 136*** providing dose coefficients for non-human biota. Future work on this topic is the responsibility of Committee 2.

Task Group 36 on ***Radiopharmaceuticals***: This joint task group of Committees 2 and 3 provided *Publication 128* in 2015 as a compilation of *Publication 60* based dose coefficients for radiopharmaceuticals. The main future work is to update *Publication 128* with values calculated using *Publication 103* methodology, as well as providing dose coefficients for new radiopharmaceuticals.

The next meeting of Committee 2 is planned for 17th–21st September 2018, Beijing.