INTERNATIONAL COMMISSION ON RADIOLOGICAL PROTECTION

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ICRP Committee 2 Meeting

September 22–25, 2016 – Oxford, UK

The Committee 2 meeting followed the first meeting of the European Radiation Protection Week (RPW2016), organised by research associations on low dose effects (MELODI), dosimetry (EURADOS), radioecology (ALLIANCE), emergency preparedness (NERIS) and the recently launched medical association (EURAMED). Committee 2 discussions included Task Group progress and the work programme for the next term, July 2017- June 2021. Other issues discussed included a joint report with the International Commission on Radiation Units and Measurements to update ***operational quantities*** used in measurement of external radiation exposures and contributions to Tasks Groups led by other ICRP Committees.

Task Group 96 on ***Computational Phantoms and Radiation Transport***: A report on ***internal radiation transport calculations for adults*** will be published this year. Work on paediatric phantoms and radiation transport calculations is nearing completion and public consultation is expected in 2017. The newly formed Task Group 103 on ***Mesh-Type Reference Computational Phantoms*** will convert 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.

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 will be published this year. Parts 3 and 4 are nearing completion. Work is in progress to replace public dose coefficients.

Task Group 90 on ***Age-dependent Dose Conversion Coefficients for External Exposures to Environmental Sources***: Work is in progress to provide dose coefficients for external exposures of members of the public, important in the context of accidental releases from nuclear facilities as well as more generally.

Task Group 79 on ***The Use of Effective Dose as a Risk-Related Dosimetric Quantity***: This Task Group will provide advice on the use of effective dose. The aim is to gain approval for public consultation during 2017.

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.