



## Main Commission Meeting

7–21 March 2025 – Shanghai, China

This meeting of the International Commission on Radiological Protection (ICRP) Main Commission focused on scientific and policy developments supporting the ongoing review and revision of the System of Radiological Protection, and elections for the next term.

**The Main Commission reviewed progress across a substantial portfolio of publications.** Recently issued publications addressed topics including paediatric reference phantoms (P156) and ethical aspects of radiological protection in medicine (P157). In parallel, many draft reports were in advanced stages of preparation, proofing, or public consultation. These draft reports covered areas such as radiation risk at low dose and low dose rate (TG91), dose coefficients for internal exposures (TG95), medical imaging and radiotherapy (TG113, TG116), emergency exposure assessment (TG112), environmental radiological protection (TG99, TG105), and optimisation in medical practice (TG108). This work is a significant component of the scientific foundation for the next General Recommendations, with emphasis placed on coherence across related topics and consistency of underlying concepts.

The draft report **Pregnant-Female Mesh-Type Reference Computational Phantoms (TG103) was approved for public consultation.** This work was recognised as an important contribution to improving dose assessment during pregnancy and supporting consistent application in medical practice.

A review of ongoing scientific work highlighted steady progress across a wide range of Task Groups. Many reported advancements toward consultation or later stages of development, while others addressed complex scientific issues with potential implications for the System of Radiological Protection. **Topics receiving particular attention included uncertainty, non-cancer effects, environmental protection, emergency exposure situations, and the application of radiological protection principles across diverse exposure contexts.**

**The use of artificial intelligence in ICRP work was discussed,** with agreement that initial guidance should be developed emphasising transparency, disclosure, and reliance on robust scientific sources.

**Progress was reviewed on preparations for the next General Recommendations,** including coordination across Task Groups and the importance of explicitly considering practicability and external impact during public consultation.

**Task Group 130 on doses from diagnostic radiopharmaceuticals during pregnancy and breastfeeding** was established.

**Elections were held for the 2025-2029 term.** Werner Rühm and Simon Bouffler were re-elected as Chair and Vice-Chair. There was substantial turnover in the Main Commission with 4 new members: Nobuhiko Ban, Eduardo Galleo, Makoto Hosono, and Nicole Martinez. Committee members for the coming term were also elected and will be confirmed before the next term begins on July 1<sup>st</sup>. Appreciation was expressed to members completing their terms for their contributions to the Commission's work.