2025
ANNUAL REPORT

ICRP

International Commission
on Radiological Protection

Established in Stockholm 27 July 1928

ICRP 2025 Annual Report

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www.icrp.org
Charity 1166304 registered with the Charity Commission for England and Wales

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Chair's Foreword

In 2025, ICRP's work continued to be defined by the ongoing review and revision of the System of Radiological Protection. This process remains a central priority, bringing together experts and stakeholders from around the world to ensure that the System continues to reflect the best available science, experience, and ethical foundations. The level of engagement and contribution from the global community has been both significant and encouraging, reinforcing the importance of this collective effort.

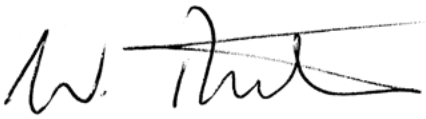
A major highlight of the year was ICRP 2025, the 8th International Symposium on the System of Radiological Protection, held in Abu Dhabi, United Arab Emirates. The symposium welcomed nearly 700 participants from more than 50 countries, marking another milestone in the global reach and impact of ICRP's work. The breadth of discussions and exchange of ideas demonstrated the strength and diversity of the radiological protection community.

In June, we convened our annual Meeting of Organisations in Formal Relations with ICRP in Vienna, continuing to strengthen collaboration with key international partners. Throughout the year, we also delivered 10 webinars and digital workshops, engaging several thousand participants from over 100 countries, all freely accessible to those wishing to learn and contribute. These efforts remain central to our commitment to openness and accessibility.

In September, ICRP released the Memorandum on the Essentials of the System of Radiological Protection to highlight and explain the fundamentals of the System. The strong interest in this publication, with more than 11,000 downloads to date, reflects the relevance and importance of this work to the wider community.

As we look ahead to 2026, we remain committed to continued engagement, transparency, and dialogue. Together, we will build on the progress made and ensure that the evolving System of Radiological Protection continues to serve society effectively for years to come.

Sincerely yours,



Werner Rühm
ICRP Chair

Global Engagement

In 2025, ICRP engaged with stakeholders through many events worldwide, including:

31 January 2025
Webinar on *The Contribution of Radiological Protection to Sustainable Development*

18 March 2025
Workshop on *Basic Safety Standards for Radiation Protection* — Hosted by the Chinese Society for Radiation Protection (CSRP) in Shanghai, China

1–2 April 2025
Shaping the Future of Radiological Protection: Engaging the Next Generation — Funds raised supported the in-person participation of 13 emerging professionals at ICRP 2025

8 April 2025
Task Group 116 Digital Workshop on *Radiological Protection Aspects of Imaging in Radiotherapy*

28 May 2025
Task Group 91 Digital Workshop on *Radiation Risk Inference at Low-Dose and Low-Dose Rate Exposure for Radiological Protection Purposes*

3 June 2025
2025 Madan Rehani Award Lecture presented by François Pacquet — *20 Years of ICRP Work in Internal Dosimetry: An Overview of Challenges Overcome and Major Successes*

23 June 2025
Annual Meeting of Organisations in Formal Relations with ICRP — Hosted by the International Atomic Energy Agency (IAEA) at the Vienna International Centre (VIC) in Vienna, Austria

26 June 2025
Task Group 99 Digital Workshop on *Considering the Environment When Applying the System of Radiological Protection — Part 1*

29 July 2025
Task Group 36 Workshop on *Radiation Dose to Patients in Diagnostic Nuclear Medicine*

6 August 2025
Webinar introducing *ICRP Publication 156: Paediatric Mesh-Type Reference Computational Phantoms*

22 August 2025
Webinar introducing *ICRP Publication 157: Ethics in Radiological Protection for Patients in Diagnosis and Treatment*

11–12 September 2025
Enabling Sustainable Development Through the System of Protection: Practicality and Alignment — In-person workshop in partnership with the World Nuclear Association at McMaster University in Hamilton, Ontario, Canada

16 September 2025
ICRP System of Radiological Protection: Time for Review and Revision — IAEA General Conference side event hosted in Vienna, Austria

18 September 2025
UNSCEAR–ICRP–IAEA: From Science to Safety — IAEA General Conference side event hosted in Vienna, Austria

7–9 October 2025
ICRP 2025: *The 8th International Symposium on the System of Radiological Protection* — Hosted by the Federal Authority for Nuclear Regulation (FANR) in Abu Dhabi, United Arab Emirates.

ICRP 2025

8TH INTERNATIONAL SYMPOSIUM ON THE SYSTEM OF RADIOLOGICAL PROTECTION

ICRP 2025, the 8th International Symposium on the System of Radiological Protection took place in Abu Dhabi, United Arab Emirates from 7-9 October 2025 and was hosted by the Federal Authority for Nuclear Regulation (FANR).

There were nearly 700 delegates from over 50 countries who attended in-person or online. ICRP 2025 also marked the first time an ICRP symposium was live-streamed.

Under the theme "Advancing Radiological Protection: Innovation, Integrity, Sustainability," the programme featured 28 sessions spanning the full breadth of the System of Radiological Protection, including the Bo Lindell Lecture. Day 1 set the stage with sessions on the review and revision of the System, the Cousins Award, and the role of sustainability, including the Vancouver Call for Action.

Across the programme, discussions addressed key areas such as radiation effects, dosimetry, environmental and medical protection, ethics, and practical applications. Together, these sessions reflected a dynamic and evolving field—balancing scientific advancement with ethical responsibility and practical implementation, while reinforcing ICRP's central role in guiding radiological protection worldwide.

LEFT: Yeon Soo Yeom was awarded the 2025 Bo Lindell Medal for the Promotion of Radiological Protection by Werner Rühm and Christopher Clement.

[From left to right] Werner Rühm (ICRP & BfS), Yeon Soo Yeom (Yonsei University) and Christopher Clement (ICRP)

RIGHT: Yeon Soo Yeom (Yonsei University) presents his Bo Lindell Lecture on *Enhancing Radiological Protection Through Computational Phantom Evolution: Past, Present, and Future* during Session 1 of ICRP 2025.

Event Statistics

684
DELEGATES

from

50+
COUNTRIES

147
PRESENTATIONS

265
POSTERS

LEFT: The 2025 Cousins Award recipient, Sannah van Balen, with fellow finalists Donovan Anderson, Aliaksandr Miadzvetski, and Altay Myssayev at the Awards Gala. The glass art award and certificates were presented by Nicole Martinez, Christopher Clement, and Werner Rühm on behalf of former ICRP Chair Claire Cousins.

[From left to right] Christopher Clement (ICRP), Nicole Martinez (ICRP & Clemson University), Donovan Anderson (Hirosaki University), Aliaksandr Miadzvetski (Ludwig-Maximilians-Universität München), Altay Myssayev (ISGlobal), Sannah van Balen (University of Cambridge), and Werner Rühm (ICRP & BfS)

BELOW: Mentees, mentors and Simon Bouffler (ICRP Vice-chair and manager of the ICRP Mentorship Programme) at ICRP 2025. Thanks to the April 2025 event *Shaping the Future of Radiological Protection: Engaging the Next Generation* event in April 2025, funds raised supported the in-person participation of 13 emerging professionals, including some ICRP mentees, at ICRP 2025.

[From left to right] Simon Bouffler (ICRP), Sara Dumit (TG121 Mentee), Hafsa Essop (TG123 Mentee), Ämilie Degenhardt (TG121 Mentee), Aliaksandr Miadzvetski (TG116 Mentee), Sebastien Gros (TG116 Member and Mentor), Benjamin Puzantian (TG126 Mentee), Liudmila Liutsko (TG121 Mentee), Runcheng Liang (TG116 Mentee), Sannah van Balen (TG124 Mentee), Altay Myssayev (TG126 Mentee), Ji Won Choi (TG113 Mentee), Yumi Lee (TG113 Mentee), Hyeonil Kim (TG103 Mentee)

ICRP and the System of Radiological Protection

Originally established at the Second International Congress of Radiology in 1928 as the International X-ray and Radium Protection Committee, today ICRP is an independent international charity registered in the UK, relying on financial contributions and support from governments, industry, agencies, foundations, and individuals from around the world.

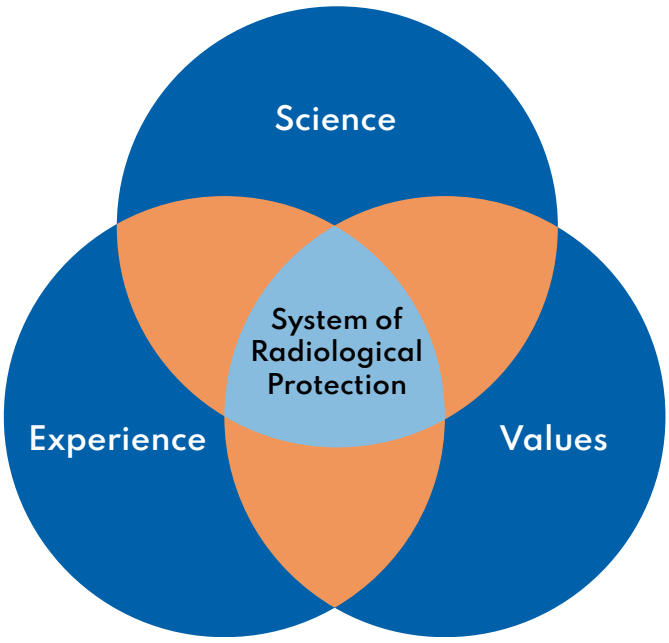
ICRP consists of the Main Commission, the Scientific Secretariat, four standing Committees, and Task Groups established as needed to undertake specific work. Members come from over 40 countries and all disciplines relevant to radiological protection. They are invited to join ICRP as independent experts on a volunteer basis. Main Commission and Committee's are elected every four years, while Task Groups have no set length. Representatives of organisations in formal relations with ICRP are regularly invited to both advise the Main Commission and to participate in meetings of the Committees. Individuals from these organisations may be invited to be members of Task Groups or to review drafts of work in progress where their expertise is particularly relevant.

This structure supports a rigorous system of peer review. The work of Task Groups is reviewed by the relevant Committee(s), and then reviewed and approved by the Main Commission. During development, most reports are circulated to several organisations and individual experts for critical review and all are posted for public consultation through the ICRP website.

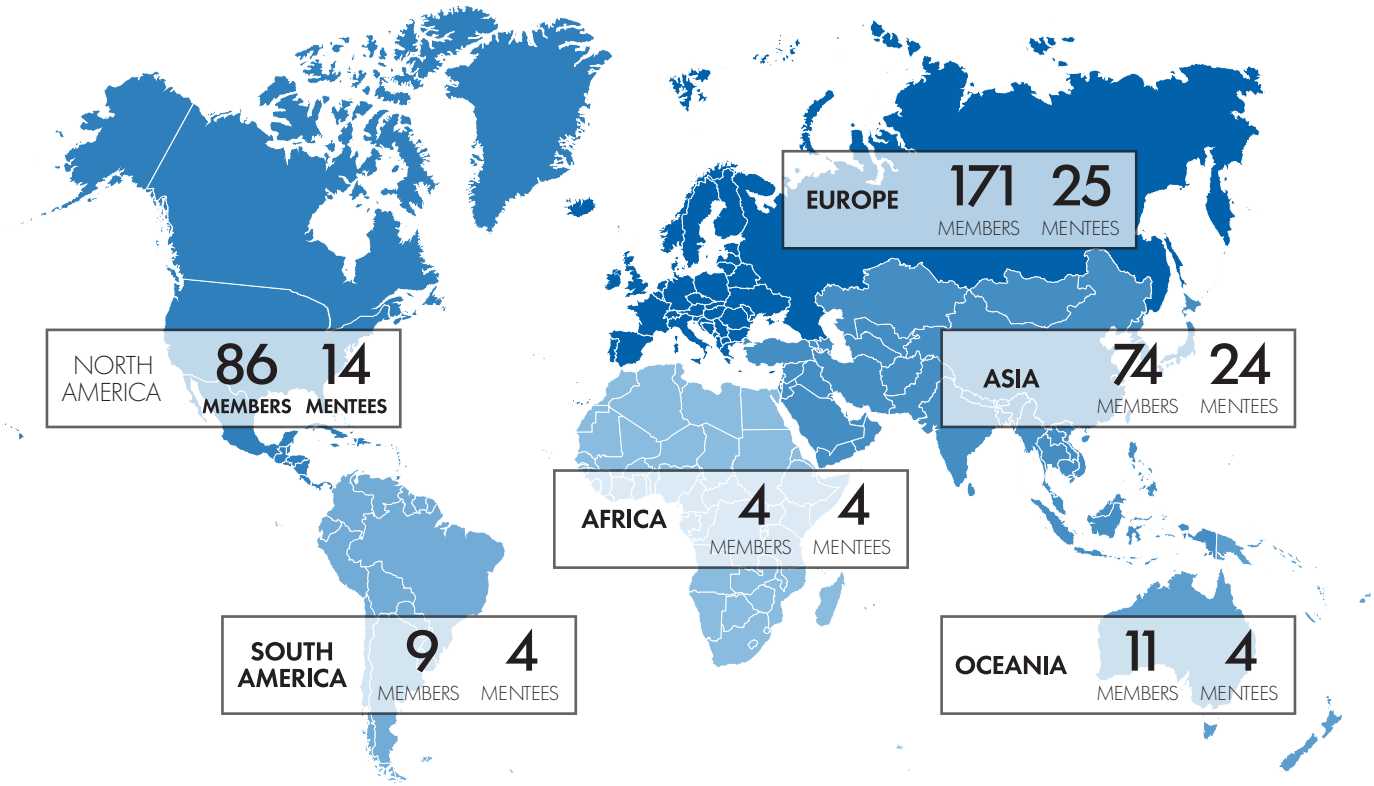
The objective of the System is to contribute to an appropriate level of protection for people and the environment against the harmful effects of ionising radiation exposure without unduly limiting the individual or societal benefits of activities involving radiation.

ICRP develops the System for the public benefit. It is based on recent science, social and ethical values, and over a century of experience since the discovery of ionising radiation.

The System is the basis of standards, regulations, guidance, programmes, and practice worldwide. It is used by intergovernmental and nongovernmental advisory and standard setting agencies; regulatory authorities; educational, scientific, and healthcare institutions; operators; individual professionals; and others with an interest in radiological protection.



Membership



TOTAL: 430 (ACTIVE DURING 2025)

Mentees are also members, but counted separately here to highlight them.

430
MEMBERS

97
YEARS IN OPERATION

30
ACTIVE TASK GROUPS

77
ACTIVE MENTORSHIPS

159
NUMBERED PUBLICATIONS

36
FORMAL RELATIONS

Main Commission

The Main Commission consists of the Chair and up to twelve other members. The Main Commission is the governing body, setting the policy and programme of work, and approving all official publications.

Werner Rühm
Chair

Simon Bouffler
Vice-chair

Dominique Laurier
Committee 1 Chair

François Bochud
Committee 2 Chair

David Sutton
Committee 3 Chair

Thierry Schneider
Committee 4 Chair

Nobuhiko Ban
Member

Kun Woo Cho
Member

Eduardo Gallego
Member

Makoto Hosono
Member

Senlin Liu
Member

Nicole Martinez
Member

Andrzej Wojcik
Member

Main Commission for the 2025-2029 Term

Scientific Secretariat

The Scientific Secretariat manages the daily business of ICRP. The core group is based in Ottawa, Canada.

Christopher Clement
Scientific Secretary and CEO

Olga German
Deputy Scientific Secretary

Lynn Lemaire
Executive Administrator

Kelsey Cloutier
Head of Stakeholder Engagement and Communications

Charlotte White
Brand and Digital Media Specialist

Samantha Uiga
Content and Engagement Specialist

Qing Fan
Assistant Scientific Secretary

Keisuke Nakamura
Assistant Scientific Secretary

Other members work part-time from their home countries.

Anna Denisova
Technical Secretary

Marina Di Giorgio
Technical Secretary

Adrienne Ethier
Technical Secretary

Franklin Eze
Technical Secretary

Scott Nichelson
Technical Secretary

Leticia Irazola Rosales
Technical Secretary

Barrington Brevitt
Technical Writer

Vasudhaa Shakdher
Technical Writer

Toshihiro Higuchi
Historian

Active During 2025

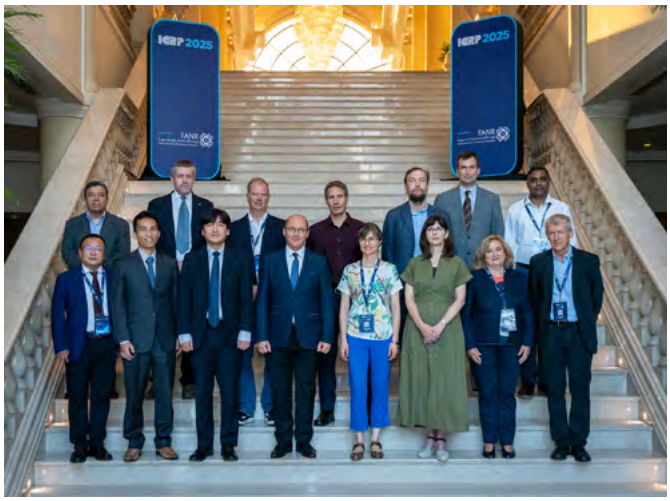
Committee 1

Considers the effects of radiation action from the subcellular to population and ecosystem levels, and assesses implications for protection of people and the environment

Dominique Laurier (Chair) FRANCE
Gayle Woloschak (Vice-Chair) USA
Elizabeth Ainsbury (Secretary) UK
Christelle Adam-Guillermin FRANCE
Christophe Badie UK
Alina Brenner JAPAN
Markus Eidemüller GERMANY
Nobuyuki Hamada JAPAN
Manoor Prakash Hande SINGAPORE
Mark P. Little UK
Preetha Rajaraman JAPAN
David Richardson USA
Yoshiya Shimada JAPAN
Mikhail Sokolnikov RUSSIA
Quanfu Sun CHINA
Alexander Ulanowski AUSTRIA
Ludovic Vaillant FRANCE
Richard Wakeford UK

Committee 2

Develops dosimetric methodology for the assessment of internal and external radiation exposures for use in the protection of people and the environment



François Bochud (Chair) SWITZERLAND
Francois Paquet (Vice-Chair) FRANCE
Maria Antonia Lopez (Secretary) SPAIN
Srinivasan Anand INDIA
Martin Andersson SWEDEN
Volodymyr Berkovskyy UKRAINE
Denison de Souza Santos BRAZIL
Jonathan Eakins UK
Augusto Giussani GERMANY
Derek Jokisch USA
Stephanie Lamart FRANCE
Choonsik Lee USA
Liye Liu CHINA
Tatsuhiko Sato JAPAN
Tracy Smith UK
Alexandra Sokolova RUSSIA
Filip Vanhavere BELGIUM
Yeon Soo Yeom KOREA

Committee Members for the 2025-2029 Term

Committee 3

Addresses protection of persons and unborn children when ionising radiation is used in medical diagnosis, therapy, and biomedical research, as well as protection in veterinary medicine

David Sutton (Chair) UK
Andrea Magistrelli (Vice-Chair) ITALY
Isabelle Thierry-Chef (Secretary) FRANCE
Geraldine O'Reilly IRELAND
Noramaliza Binti Mohd Noor MALAYSIA
John Damilakis GREECE
Yusuke Inoue JAPAN
Mika Kortesniemi FINLAND
M. Mahesh USA
Loredana Gabriela Marcu ROMANIA
Lorenzo Nicola Mazzoni ITALY
Juan Camilo Ocampo Ramos USA
Jin Chul Paeng KOREA
Geraldine Pina FRANCE
William Small USA
Jenia Vassileva BULGARIA
Ivan Williams AUSTRALIA
Weihai Zhuo CHINA

Committee 4

Provides advice on the application of the Commission's recommendations for the protection of people and the environment in an integrated manner for all exposure situations

Thierry Schneider (Chair) FRANCE
Analia Canoba (Vice-Chair) ARGENTINA
Julie Burtt (Secretary) CANADA
Andy Mayall UK
Min Baek KOREA
Antony Bexon UK
Yann Billarand FRANCE
Peter Bryant UK
Megan Cook AUSTRALIA
Daniele Giuffrida UAE
Jason Harris USA
Chunsheng Li CANADA
Zhiping Luo CHINA
Haruyuki Ogino JAPAN
Carol Robinson NORWAY
Marie Simon-Cornu FRANCE
Hiroko Yoshida JAPAN
Friedo Zölzer CZECH REPUBLIC

Committee Members for the 2025-2029 Term

Task Groups

Task Group 36
Radiation Dose and Patients in Diagnostic Nuclear Medicine

Task Group 91
Radiation Risk Inference at Low-dose and Low-dose Rate Exposure for Radiological Protection Purposes

Task Group 95
Internal Dose Coefficients

Task Group 96
Computational Phantoms and Radiation Transport

Task Group 97
Application of the Commission's Recommendations for Surface and Near Surface Disposal of Solid Radioactive Waste

Task Group 98
Application of the Commission's Recommendations to Exposures Resulting from Contaminated Sites from Past Industrial, Military and Nuclear Activities

Task Group 99
Reference Animal and Plant (RAP) Monographs

Task Group 103
Mesh-type Reference Computational Phantoms (MRCP)

Task Group 105
Considering the Environment when Applying the System of Radiological Protection

Task Group 106
Application of the Commission's Recommendations to Activities Involving Mobile High Activity Sources

Task Group 108
Optimisation of Radiological Protection in Digital Radiography, Fluoroscopy, and CT in Medical Imaging

Task Group 111
Factors Governing the Individual Response of Humans to Ionising Radiation

Task Group 112
Emergency Dosimetry

Task Group 113
Reference Organ and Effective Dose Coefficients for Common Diagnostic X-ray Imaging Examinations

Task Group 114
Reasonableness and Tolerability in the System of Radiological Protection

Active as of 31 December 2025

Task Groups

Task Group 115
Risk and Dose Assessment for Radiological Protection of Astronauts

Task Group 116
Radiological Protection Aspects of Imaging in Radiotherapy

Task Group 117
Radiological Protection in PET and PET/CT

Task Group 118
Relative Biological Effectiveness (RBE), Quality Factor (Q), and Radiation Weighting Factor (wR)

Task Group 119
Effects of Ionising Radiation on Diseases of the Circulatory System and their Consideration in the System of Radiological Protection

Task Group 120
Radiological Protection for Radiation Emergencies and Malicious Events

Task Group 121
Effects of Ionising Radiation Exposure in Offspring and Next Generations

Task Group 122
Update of Detriment Calculation for Cancer

Task Group 123
Classification of Harmful Radiation-induced Effects on Human Health for Radiological Protection Purposes

Task Group 124
Application of the Principle of Justification

Task Group 125
Ecosystem Services in Environmental Radiological Protection

Task Group 126
Radiological Protection in Human Biomedical Research

Task Group 127
Exposure Situations and Categories of Exposure

Task Group 128
Individualisation and Stratification in Radiological Protection: Implications and Areas of Application

Task Group 129
Ethics in the Practice of Radiological Protection

Task Group 130
Doses from Diagnostic Radiopharmaceuticals During Pregnancy and Breastfeeding

Active as of 31 December 2025

Global Supporters

The contributions from these organisations allow ICRP to further our programme of work, paving the way for the advancement of the System of Radiological Protection globally. Want to join this growing list of organisations at the forefront of radiological protection? Contact us!

Federal Ministry for the Environment, Nature Conservation and Nuclear Safety

FANR الهيئة الاتحادية للرقابة النووية Federal Authority for Nuclear Regulation

IAEA International Atomic Energy Agency

BrucePower Innovation at work

CNSC CCSN

United States Environmental Protection Agency

Innovative Solutions for Energy and Environment JANUS JAPAN NUS CO., LTD.

Health Canada Santé Canada

European Commission

ANDRA Agence nationale pour la gestion des déchets radioactifs

arpansa

CSRP 中国辐射防护学会 China Society of Radiation Protection

ASNR Autorité de sûreté nucléaire et de radioprotection

Strål säkerhets myndigheten Swedish Radiation Safety Authority

Department of Energy United States of America

Schweizerische Eidgenossenschaft Confédération suisse Confederazione Svizzera Confederaziun svizra Swiss Confederation

Federal Department of Home Affairs FDHA Federal Office of Public Health FOPH

Schweizerische Eidgenossenschaft Confédération suisse Confederazione Svizzera Confederaziun svizra Swiss Confederation

Eidgenössisches Nuklearsicherheitsinspektorat ENS Inspection fédérale de la sécurité nucléaire IFSN Ispettorato federale della sicurezza nucleare IFSN Swiss Federal Nuclear Safety Inspectorate ENSI

JAEA

放影研 RERF

QST

WORLD NUCLEAR ASSOCIATION

Radiation Safety Institute of Canada Institut de radioprotection du Canada

DSA Norwegian Radiation and Nuclear Safety Authority

world nuclear transport institute

HPS Specialists in Radiation Protection

CSN CONSEJO DE SEGURIDAD NUCLEAR

NEI NUCLEAR ENERGY INSTITUTE

NEA NUCLEAR ENERGY AGENCY

IRPA

S R P

REACTOR INSTITUTE DELFT

CEPN

GEISLAVARNIR RÍKISINS ICELANDIC RADIATION SAFETY AUTHORITY

THERMO ANALYTICS

Danish Health Authority, Radiation Protection (SIS)

JRIA Japan Radioisotope Association

Formal Relations

ICRP maintains formal relations with other organisations with an interest in radiological protection through specific agreements, or by granting Special Liaison status to organisations whose work is relevant to ICRP's mandate. Organisations in formal relations with ICRP in 2025 are shown below.

Conference of Radiation Control Program Directors, Inc. Est. 1968

EUROPEAN ALARA NETWORK

EURAMED
European Alliance for Medical Radiation Protection Research

EURAMET

EANM
EUROPEAN ASSOCIATION OF NUCLEAR MEDICINE

European Commission

EFOMP
EUROPEAN FEDERATION OF ORGANISATIONS FOR MEDICAL PHYSICS

ENISS

EPRI

EURADOS

EUROPEAN RADIOECOLOGY ALLIANCE

ESR
EUROPEAN SOCIETY OF RADIOLOGY

EUTERP
Training & Education in Radiation Protection

HERCA
HEADS OF THE EUROPEAN RADIOLOGICAL PROTECTION COMPETENT AUTHORITIES

FORO
Foro Iberoamericano de Organismos Reguladores Radiológicos y Nucleares

industriall
global union

IEC International Electrotechnica Commission
Electrical Equipment in Medical Practice (IEC/TC62)

IEC International Electrotechnica Commission
Nuclear Instrumentation (IEC/TC45)

International Agency for Research on Cancer
World Health Organization

IAEA
International Atomic Energy Agency

ICNIRP
INTERNATIONAL COMMISSION ON NON-IONIZING RADIATION PROTECTION

ICRU
INTERNATIONAL COMMISSION ON RADIATION UNITS AND MEASUREMENTS
ESTABLISHED IN 1925

ILO International Labour Organization

International Organization for Medical Physics
IOMP

IRPA

ISRRT
INTERNATIONAL SOCIETY OF RADIOGRAPHERS & RADIOLOGICAL TECHNOLOGISTS

ISR
The International Society of Radiology

ISOE
Information System on Occupational Exposure

MELODI

NCRP
National Council on Radiation Protection and Measurements

NEA
NUCLEAR ENERGY AGENCY

NERIS

SHARE
Social sciences and Humanities in ionising radiation REsearch

UNSCEAR

WORLD NUCLEAR ASSOCIATION

World Health Organization (WHO)

world nuclear transport institute

Finances

	2021	2022	2023	2024
INCOMING RESOURCES				
Contributions Received	865	844	1 145	1 085
Royalties	227	149	159	152
Other	112	7	6	6
Total Incoming Resources	1 203	1 000	1 310	1 243
RESOURCES EXPENDED				
Promotion of RP	379	614	768	814
Governance Costs	483	479	534	481
Other Resources Expended	52	17	37	23
Total Resources Expended	914	1 111	1 358	1 318
NET MOVEMENT IN RESOURCES	305	(145)	(31)	(75)
TOTAL FUNDS CARRIED FORWARD	1 076	931	900	825

Note: Figures shown in kCAD; brackets indicate negative values.

ICRP 2027

20-24 SEPTEMBER 2027 · BEIJING, CHINA

Hosted by

CSRP 中国辐射防护学
China Society of Radiation Pro