

**ETRAP**

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# DEVELOPMENT OF RP WORKFORCE KNOWLEDGE BASE THROUGH SHARING OF IDEAS AND PRACTICES

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# SHARING FOR A SOUND RP CULTURE

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IRPA recognizes the importance of establishing and promoting a sound RP culture at the level of the workplace, to help practitioners in their specific field.

Educational Networks are well known for the related advantages through the sharing of information and points of view and as:

- **the basis**, not only for younger students but also professionals, **towards a best practice** in their pertinent areas,
- **a support towards creating awareness** about possible critical situations, helping to be ready in taking decisions about evaluated choices within a decision process,

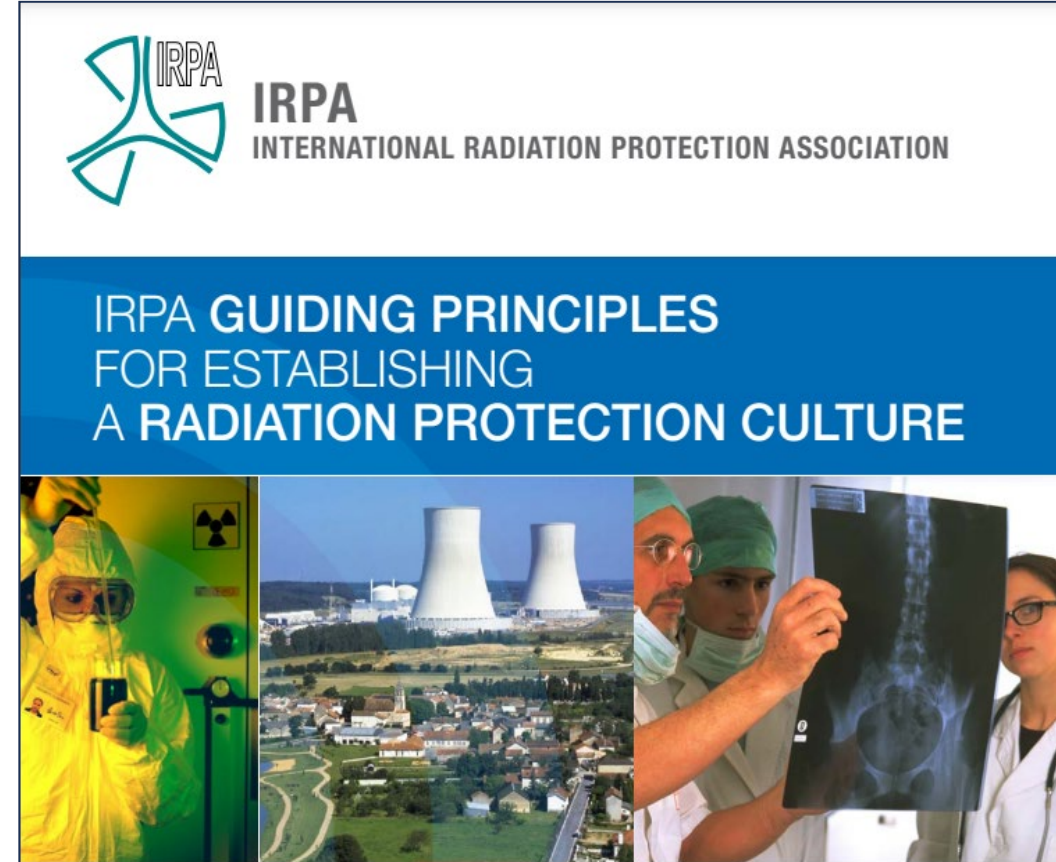
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IRPA Associate Societies are active in promoting enhancement of professional competence and networking, recognizing the **ethical and societal dimension of RP**, and encouraging high standards of professional conducts, skills and knowledge for the benefit of individuals and society.

# TO MAINTAIN A COMPETENT WORKFORCE

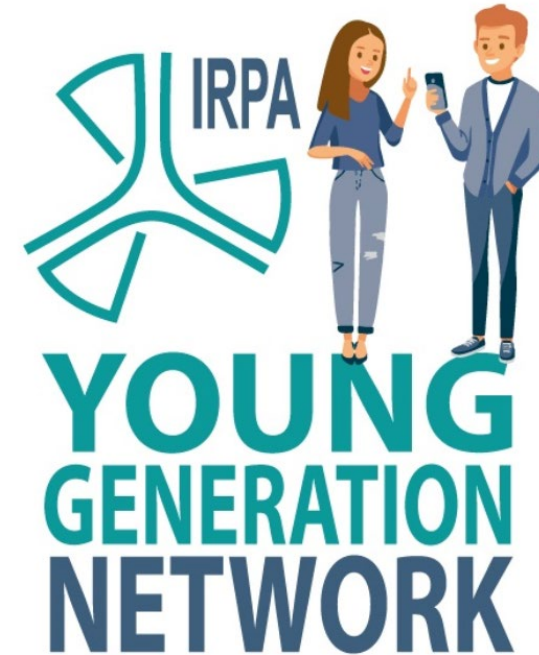
By embedding RP at a cultural level, IRPA contributes to the development of professionals prepared for the challenges facing the community in the development of the **Radiation Protection System**.

**In particular when there are significant evolutions and changes in RP practice**



# IRPA YOUNG GENERATION NETWORK

A Young Generation Network in the field of Radiation Protection was created in IRPA, to encourage, inspire and develop the next generation of RP professionals across the world and promote communication, collaboration and professional development of students and young professionals, with the mission to motivate, stimulate and develop the next generation of radiation protection experts.






**Strategic Agenda for 2022— 2024**

[https://www.irpa.net/irpa\\_mini.asp?site=YPN/index.asp](https://www.irpa.net/irpa_mini.asp?site=YPN/index.asp)


# IRPA TGs TO LOOK TOWARDS THE EVOLVING ISSUES

IRPA contributes to ensure that professionals are prepared for future needs, based on education, and through the participation in dedicated IRPA TGs, including the related discussions and a broad communication while preparing responses to the IRPA surveys.

Within the term of reference 2021-2024, eight IRPA TGs are active.



4<sup>TH</sup> REGIONAL IRPA IOMP WHO WORKSHOP ON  
RADIATION SAFETY CULTURE IN HEALTHCARE  
CHALLENGES AND OPPORTUNITIES OF ADVANCED TECHNOLOGIES



**Terms of Reference**  
**Task Group on Higher Education, Research & Training**  
**2021-2024**

Second IRPA International Webinar 19  
Januario 2023  
News on IRPA TGs (NORM, NIR, Review of  
the System of RP)

# IRPA TGs TO LOOK TOWARDS THE EVOLVING ISSUES

At present the active IRPA TGs are:

- ➔ Higher Education, Research and Training
- ➔ Non - Ionising Radiation
- ➔ Naturally Occurring Radioactive Materials (NORM)
- ➔ Public Understanding
- ➔ Radiation Safety Culture in Healthcare
- ➔ Review of the System of Radiological Protection
- ➔ Tissue Reactions
- ➔ Women in Radiation



# TG ON REVIEW OF THE SYSTEM OF RP

The TG on the review of the System of RP is closely related to the ICRP progress on the revision of the System.

Three successive surveys were distributed among associated Societies.

Key issues related to the system's optimization and reasonableness were highlighted.

The feedback has underlined the need :

- to simplify and clarify the system,
- to highlight the importance of communication, and stakeholder involvement

Journal of Radiological Protection

MEMORANDUM • OPEN ACCESS

IRPA Consultation: is the system of protection 'fit for purpose' and can it be readily communicated? Views of the radiation protection professionals

To cite this article: Roger Coates and Renate Czarwinski 2018 *J. Radiol. Prot.* **38** 440



IRPA

INTERNATIONAL RADIATION PROTECTION ASSOCIATION

IRPA PERSPECTIVE ON 'REASONABLENESS' IN THE OPTIMISATION OF RADIATION PROTECTION

Workshop on the application of tolerability and reasonableness in the medical field

ICRP

Virtual meeting  
20-21 June, 2022



# TG ON TISSUE REACTIONS

IRPA launched up to 2018 three surveys on the revised eye dose limit, to promote a wide exchange of experiences at the international level on the impact of the new dose limit for the lens of the eye and its implementation with regard to protection of the worker in occupational exposure.

The 3<sup>rd</sup> survey reported the points of view of 44 countries from Africa, Asia/Australia, North and South America, and Europe.



## IRPA GUIDANCE ON IMPLEMENTATION OF EYE DOSE MONITORING AND EYE PROTECTION OF WORKERS



### OPEN ACCESS

IOP Publishing | Society for Radiological Protection

Journal of Radiological Protection

J. Radiol. Prot. 40 (2020) 1508–1533 (26pp)

2020

<https://doi.org/10.1088/1361-6498/abb5ec>

Memorandum

### Report of IRPA task group on issues and actions taken in response to the change in eye lens dose limit

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Colin J Martin<sup>3</sup>, Nobuyuki Hamada<sup>4</sup>, Sumi Yokoyama<sup>5</sup>,  
Jean-Marc Bordy<sup>6</sup>, Lawrence Dauer<sup>7</sup>, Ariel Durán<sup>8</sup>,  
Cameron Jeffries<sup>9</sup>, Willie Harris<sup>10</sup>, Olga Kashirina<sup>11</sup>,  
Arthur Omondi Koteng<sup>12</sup>, Severino Michelin<sup>13</sup>  
and Waraporn Sudchai<sup>14</sup>



# TG ON TISSUE REACTIONS

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A new IRPA TG dedicated to Tissue Reactions, with a version updated in 2023, is now open.

**Objective:** to foster awareness about early and late effects of radiation in tissues and organs in particular on heart, cerebrovascular system, and diseases of arteries and veins.

The latest studies acknowledge that **tissue injury varies with tissue type**; different tissues have different responses to I.R.

The **IRPA ASs will be asked to provide their views about the updated considerations that are introduced in the effects of radiation in tissues and organs and related aspects, based on a questionnaire developed by the TG.**

# TG ON TISSUE REACTIONS

The IRPA ASs will be invited to offer documents they have produced directly or in cooperation with other organizations, related to the topic of the TG, to create a wide exchange of views through the IRPA website.

Even if it is not recommended an immediate change to the System of RP, this could be considered a significant point for discussion.

## Foreseen outcome

A TG report will try to capture the statements and suggested approaches of various countries to summarize the professionals' views, taking into consideration the different sectors of RP.



Points to be considered  
TG Tissue Reactions

**ICRP TG 119 (C1)** Effects of Ionising Radiation on Diseases of the Circulatory System and their Consideration in the System of RP.



Points to be considered  
TG Tissue Reactions

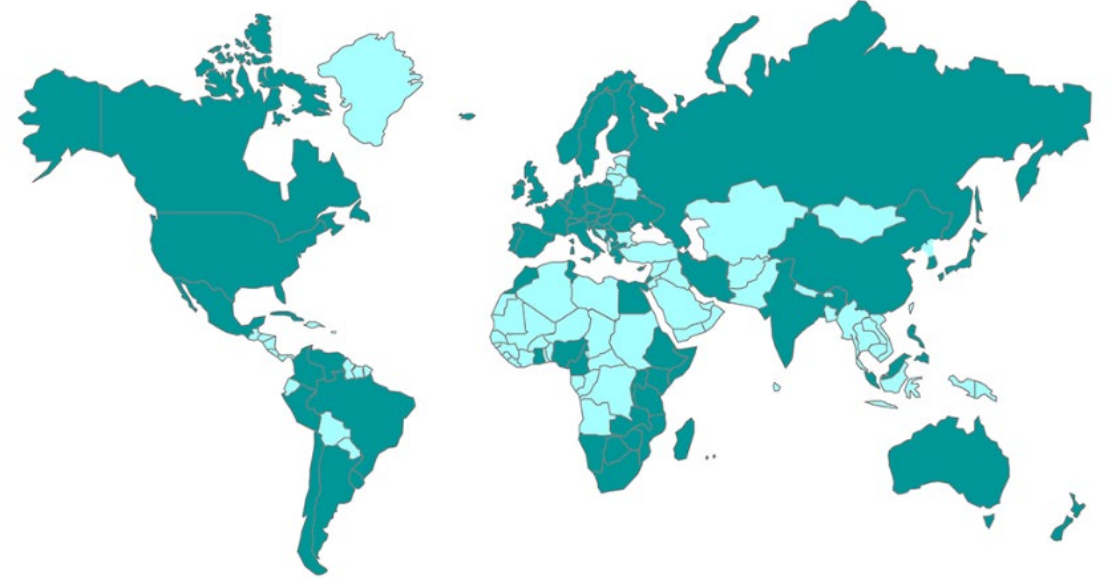
**ICRP TG 121 (C1)** Effects of Ionising Exposure in Offspring and Next Generation.

# REMARKS

IRPA TGs together with the IRPA Young Generation Network play a crucial role in fostering the enhancement of radiation protection among professionals across different countries and in particular for the new generations.

The initiatives of TGs establish robust connections among professionals, fostering a more collegial and engaging relationships that go beyond the traditional trainer-trainee dynamic

## IRPA - 58 Associate Societies in 68 Countries



## Latin American IRPA Regional Congress Oct 2022

296 participants from 21 countries



# REMARKS

This unique environment encourages sharing knowledge, emphasizing problem-solving, decision-making, and the development of practical solutions.

Consequently, this strengthens the organization as a whole and enhances the dissemination of best practices from one country to another, emphasizing the significant impact of training on the evolution of radiation protection standards and practices worldwide.

## PRACTICAL GUIDANCE FOR ENGAGEMENT WITH THE PUBLIC ON RADIATION AND RISK



<https://www.irpa.net/members/IRPA%20Guidance%20Public%20Engagement.pdf>



IRPA YGN STRATEGIC AGENDA 2021-2024

THE IRPA YOUNG GENERATION LEADERSHIP COMMITTEE

