



**IAEA**

International Atomic Energy Agency

# Welcome to the Webinar

## Ensuring Safety and Enabling Sustainability

*in the context of safe management of radioactive waste (including spent fuel management),  
environmental protection (including control of radioactive releases), decommissioning of  
nuclear facilities and remediation of contaminated areas*



# Etiquette for the webinar



Microphones are centrally muted



Chat is enabled for queries & comments



E-mail your questions to [ICWEDR2023@iaea.org](mailto:ICWEDR2023@iaea.org)



Q&A at the end of webinar



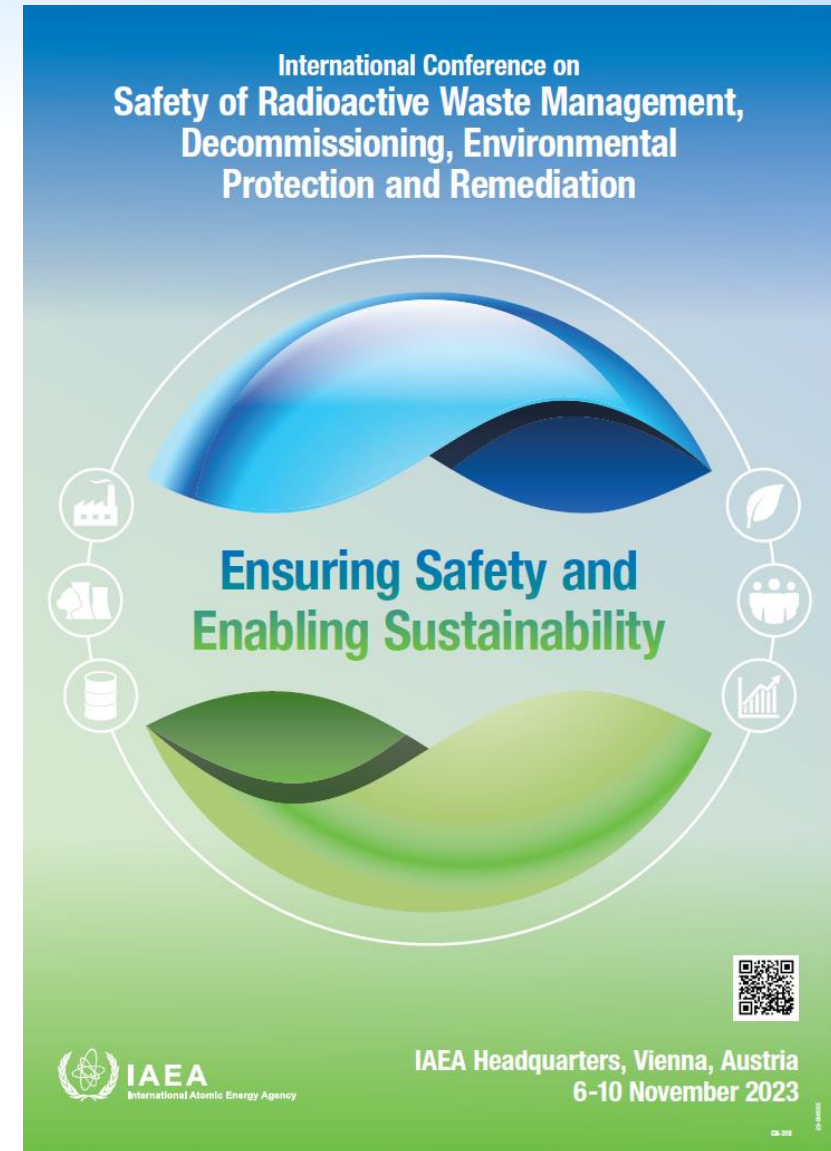
Session is being recorded

# Panelists

- Mr Carl-Magnus Larsson, *Moderator and Conference President*
- Ms Anna Clark, *IAEA*
- Mr Simon Carroll, *Sweden*
- Ms Valeria Cuccia, *Brazil*
- Mr Keith Baldry, *Australia*

# Why the webinar?

- Ignite discussions on the relationship between safety and sustainability in managing radiation risks
- Explore the ‘back-end perspective’
- Focus on **questions** that will guide the International Conference on **Ensuring Safety** and **Enabling Sustainability**  
6-10 November 2023



International Conference on  
Safety of Radioactive Waste Management,  
Decommissioning, Environmental  
Protection and Remediation

Ensuring Safety and  
Enabling Sustainability

IAEA  
International Atomic Energy Agency

IAEA Headquarters, Vienna, Austria  
6-10 November 2023

QR code

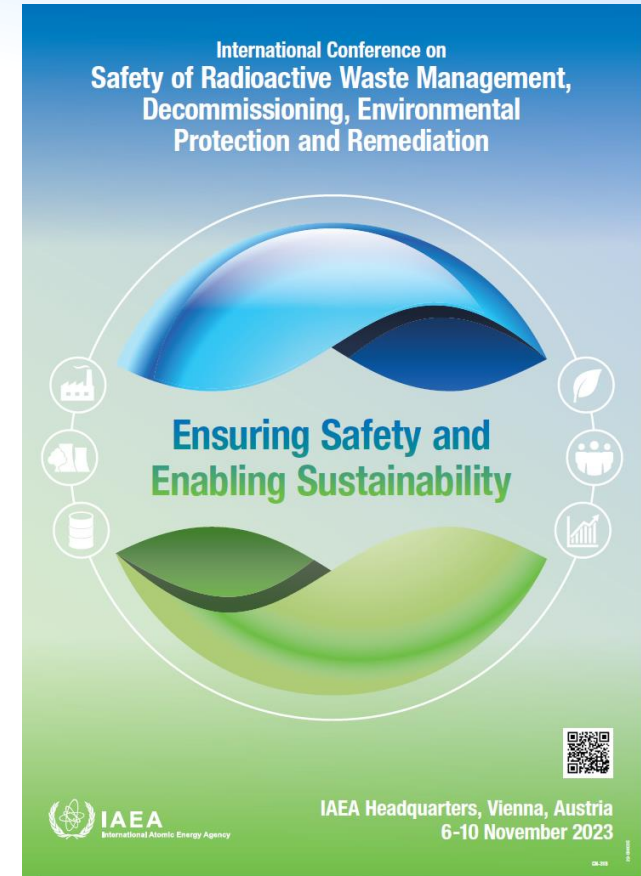
02-2023

# Ensuring Safety and Enabling Sustainability



## International Conference on *Safety of Radioactive Waste Management, Decommissioning, Environmental Protection and Remediation* Ensuring Safety and Enabling Sustainability

- Organised by the IAEA, in cooperation with
  - European Commission (EC)
  - International Commission on Radiological Protection (ICRP)
  - OECD Nuclear Energy Agency (NEA)
  - UN Environment Programme
  - European Bank for Reconstruction and Development
- Vienna, Austria 6 – 10 November 2023
- President's Report and call for actions to be published post-conference



[Home: International Conference on the Safety of Radioactive Waste Management, Decommissioning, Environmental Protection and Remediation: Ensuring Safety and Enabling Sustainability | IAEA](#)

# Two (at least) points of departure - 1



[THE 17 GOALS | Sustainable Development \(un.org\)](https://un.org/sustainabledevelopment)

## UN SDGs

17 interlinked global Sustainable Development Goals (SDGs) designed to be a "blueprint to achieve a better and more sustainable future for all".

Set up in 2015, agreed by all UN Members, intended to be achieved by 2030.



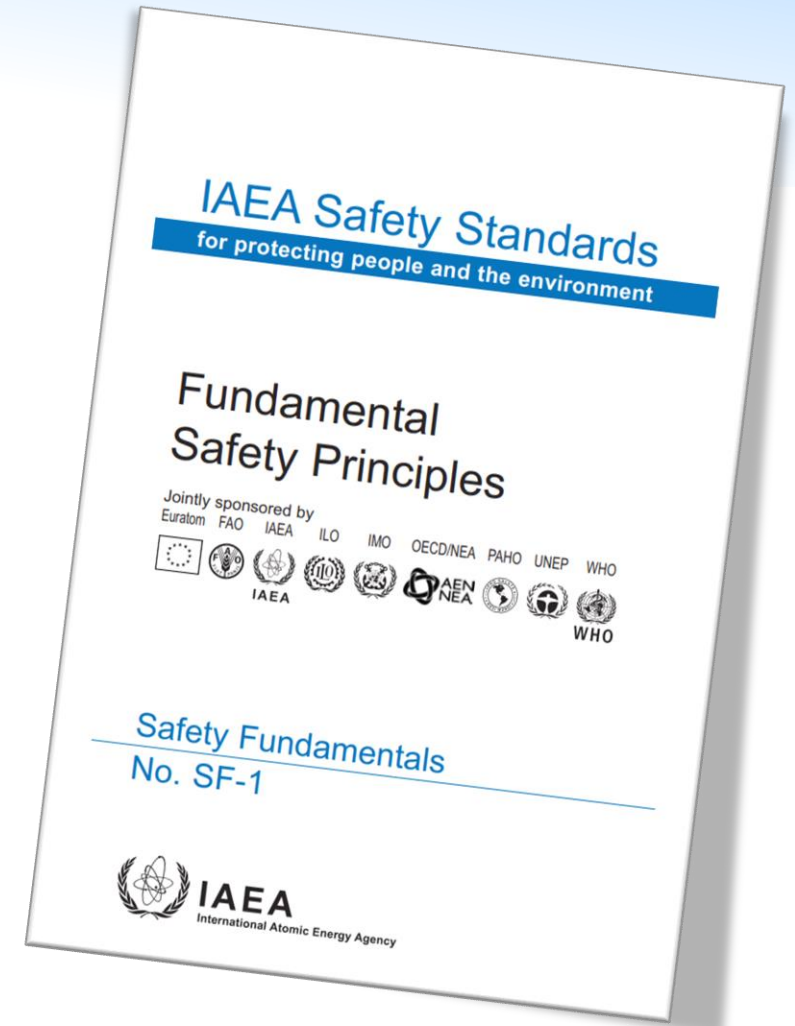
# Two (at least) points of departure - 2

## IAEA Safety Fundamentals, SF-1

10 Fundamental Safety Principles supporting the objective

*“to protect people and the environment from harmful effects of ionizing radiation”*

Including justification (4), optimisation (5), exposure limitation (6) and consideration of spatial and inter-generational implications (7)



# Review of ICRP Recommendations



- ICRP has embarked on a review of the International System for Radiological Protection in consultation with stakeholders
- On the 'environment':
  - *"..... While the work already undertaken by ICRP will remain a cornerstone, inclusion of more global considerations of environmental protection in the context of 'sustainable development' and concerns about the 'quality of life', including the services provided by the environment and ecosystems as well as the impacts of the implementation of protective actions, may be considered for inclusion in future general recommendations"*

Clement et al. 2021 [Keeping the ICRP recommendations fit for purpose \(iop.org\)](https://iop.org)



# Programme



- **Topic 1**

Why is the right time to initiate discussions on the interrelationships between safety and sustainability? – ***Anna Clark***

- **Topic 2**

Integrating safety & sustainability in nuclear decommissioning activities: Perspectives from an owner of nuclear facilities – ***Simon Carroll***

- **Topic 3**

Sustainability: one more decision making element – ***Valeria Cuccia***

- **Topic 4**

The relationship between sustainability and radiation safety is the most important issue we face  
– ***Keith Baldry***

- **Questions and Answers**

# Topic 1

## *Anna Clark*

