



Purpose and objectives of international conference

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Ensuring Safety and Enabling Sustainability

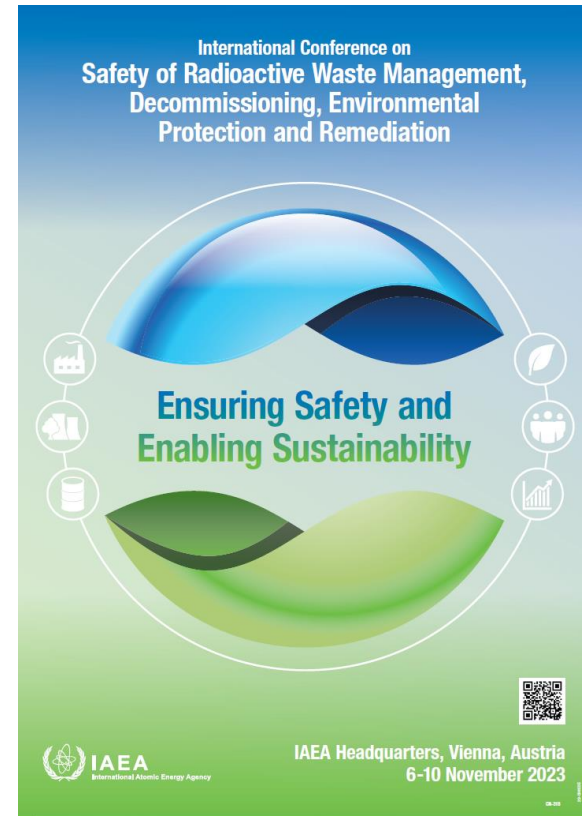


Purpose of conference

The conference will provide:

a forum for exchanging information, experiences, and anticipated future developments for managing the relationship between safety and sustainability

in the context of radioactive waste management, decommissioning, environmental protection and remediation.



Why focus on sustainability?

- 17 Sustainable Development Goals are at the heart of the 2030 Agenda for Sustainable Development
- IAEA supports countries in their efforts to reach the 17 SDGs

▲ Sustainable use of nuclear science and technology contributes directly to SDGs



Influence of safety on sustainability

- ▲ Sustainable use of nuclear science and technology contributes directly to SDGs
- ▲ Nuclear technologies are not sustainable unless safe throughout their lifetime



Influence of safety on sustainability



- ▲ Sustainable use of nuclear science and technology contributes directly to SDGs
- ▲ Nuclear technologies are not sustainable unless safe throughout their lifetime
- ▲ Safe management of radioactive waste, environmental releases, decommissioning and remediation **protects life on land and life below water**
- ▲ Safe management of radioactive waste, environmental releases, decommissioning and remediation **contributes to responsible use of resources**



Influence of sustainability on safety



- Safety is not the only factor that contributes to sustainability
- Radiation protection principles (e.g. justification and optimization) **take account of economic, social and environmental factors**
- Mechanisms are required to **involve interested parties** are involved as appropriate in regulatory decision making



Conference themes

Ensuring Safety and
Enabling Sustainability



Introducing the **overarching concepts** of ensuring safety and enabling sustainability



Exploring:

- concepts,
- principles,
- benefits,
- challenges

Managing the interrelationships in policy, strategy, legislation, and regulation



Exploring questions such as:

- How does the need for safe radioactive waste management feature in national policies for adopting nuclear science and technology?



Exploring questions such as:

- How is sustainability embedded in national programmes for decommissioning and remediation?
- How does the concept of sustainability influence regulation of environmental protection?

Managing the interrelationships between **safety and sustainability** in decision-making



Exploring questions such as:

- What tools or methods do you have for **balancing safety and other aspects of sustainability** in decision-making?
- What process do you use for **taking account of economic, social and environmental factors when realising principles of radiation protection** in practice when safely managing radioactive waste, decommissioning, environmental protection and remediation?



Integrating views of society into decision-making



Exploring questions such as:

- What approach do you take to **involving society in decisions relating to safety** of radioactive waste management, decommissioning, environmental protection, or remediation?
- To what extent are the **views of society influencing optimisation** of radiation protection and safety?



Practical experiences in integrating safety and sustainability



Practical experience of **requirements for safety** (safe management of radioactive waste, decommissioning and environmental protection) **influencing the use of nuclear science and technologies for sustainable development**



Practical experience of **sustainability influencing optimisation of protection and safety**, and thereby influencing, for example:

- controls for environmental releases
- clearance of material for reuse
- selection of a safe site end state
- selection of decommissioning strategy
- remediation of abandoned uranium mines

Building capacity for ensuring safety and enabling sustainability



Exploring questions such as:

- How can safety and sustainability experts learn from each other?
- How does sustainability feature in the leadership, management, and culture for safety?



Regional and international cooperation for ensuring safety and enabling sustainability



Exploring questions such as:

- What role can **international cooperation** play in improving the integration of safety and sustainability?
- What role can **legal instruments and international guidance** play in improving the holistic consideration of safety and sustainability?

Ensuring Safety and Enabling Sustainability



Objectives of conference

- **Initiate and assist the necessary dialogue** between the safety and sustainable development communities
- **Consider how to address** the relevant interrelationships in an integrated way
- **Identify practical approaches** on how to manage the interrelationships in decision-making, from policymaking to implementation

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

Ensuring Safety and
Enabling Sustainability

IAEA
International Atomic Energy Agency

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**Ensuring Safety and
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Thank you