International Conference on the Safe and Secure Transport of Nuclear and Radioactive Material

Monday 23 March 2026 - Friday 27 March 2026

Vienna

Scientific Programme

The themes and topics are limited to the subject conference. The represent a structure that will be used to classify the submissions.

Track 1 Legislative and Regulatory Framework for Safe and Secure Transport

The track will include:
International Instruments – Ensuring updated and harmonized legal instruments, as needed.
Development, revision, and implementation of national framework that includes experiences, difficulties faced as well as feedback.
Establishment, evolution and competency development of competent authorities and compliance assurance mechanisms (based on graded approach and scope of transport in Member States).
Capacity building (including human resource development, involvement of young professionals and women in nuclear).
International, regional and national liaison and cooperation.
Safety-security interface, safety culture and security culture in transport.

Track 2 Safety and Security by Design - Regulatory and Industry Perspective

This track will include:
Design, manufacturing, testing and qualification and ageing mechanisms of packages including dual purpose casks.
Design, manufacturing, testing and qualification and ageing mechanisms of radioactive material, associated codes and standards.
Conveyance (including impact of innovative and new fuel types such as hydrogen and batteries on transport package design requirements, regulatory practices for use of electric and hydrogen fuel to transport radioactive material).
Authorization (certification/validation/renewal) practices to ensure compliance with the code and standards including practices in regulation of non-approved packages.
Physical protection systems design for the transport of nuclear and other radioactive material that minimizes the risk of malicious acts through features inherent in the design of the system.
Frameworks to achieve a robust, durable, and responsive transport and safety and security system for nuclear and other radioactive material.
Practices to find the balance between safety, security, efficiency, and cost early in the design process.

Track 3 Safety and Security during Transport Operations

This track will include:
Practices and challenges in transport including international shipments, shipment after storage or transit, transitional arrangements, special arrangement.
Transport of naturally occurring radioactive material (NORM).
Practices for operational controls and additional administrative controls for shipment including Emergency planning and response and security plans by all modes.

Track 4 Computer Security and Emerging Technologies

This track will include:
Computer security for safe and secure transport.
Safe and secure transport of small modular reactors.
Safe and secure deployment of transportable NPPs, including floating nuclear power plants and microreactors.
Use of technology (e.g. AI), including in regulatory activities by competent authorities for transport.