

# ARTEMIS Peer-Reviews Explained: Processes, Benefits and Lessons Learned — Part 1

WEBINAR

10 September 2025

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Wednesday, 10 September 2025, 16:00 CEST

**Presenters:** Domenico Pilorusso (Italy), Renatas Šumskis (Lithuania), John Rowat (Austria), Merle Lust (European Commission), Gerard Bruno (IAEA), Vladimir Michal (IAEA), Cecilia Weiss (IAEA)

**Moderator:** Marianna Nobile (IAEA)

## About the webinar

The safe management of radioactive waste and spent fuel, decommissioning and environmental remediation is of paramount importance to protect people and the environment — present and future — from harmful effects of ionizing radiation.

To assist countries in improving the safety and effectiveness of their waste and spent fuel management, decommissioning and remediation programmes, the IAEA established the [Integrated Review Service for Radioactive Waste and Spent Fuel Management, Decommissioning and Remediation](#) (ARTEMIS).

ARTEMIS provides countries with independent expert opinion and advice based on the IAEA safety standards, to help strengthen their national arrangements, specific programmes, project activities or facility management for radioactive waste and spent fuel management, decommissioning and remediation.

### Part 1

This webinar will provide participants with an overview of the ARTEMIS peer review process from full scope review missions, which consider entire national arrangements, to missions targeting specific programmes, activities or facilities. Experts in the field of radioactive waste management will share their experiences, lessons learned and how their countries and organizations have benefitted from past ARTEMIS missions. Case studies will be presented, and participants will have the opportunity to participate in a Q&A session.

# Learning objectives

1. Learn how ARTEMIS peer review missions enhance safety.
2. Become familiar with the ARTEMIS peer review process and how it can be tailored to national needs.
3. Understand key lessons learned and benefits of past ARTEMIS missions.

## About the presenters

**Merle Lust** is a policy officer with the European Commission in the Directorate General for Energy dealing with radioactive waste management and decommissioning. She has over 20 years of experience in radioactive waste management and has worked with the IAEA as radioactive waste management information specialist, leading activities focused on waste management practices and inventories. Additionally, she has served as director of the Estonian Radiation Protection Centre, the national competent authority for radiation protection and nuclear safety.

**Domenico Pilorusso** is a senior manager at the Società Gestione Impianti Nucleari (Sogin) with extensive international experience in the energy sector. Since 2012, he has worked on nuclear decommissioning at Sogin, Italy, managing decommissioning projects at the Caorso NPP and leading strategic initiatives in waste management. He has provided technical oversight across multiple decommissioning programmes and explored innovative approaches to the decommissioning field. He participated in the ARTEMIS missions to Sogin in 2017 and 2018. His expertise spans project management, strategy development and international collaboration in nuclear decommissioning and waste management.

**John Rowat** is the former head of the IAEA Decommissioning and Remediation Unit. He holds a BSc in Engineering Chemistry and a PhD in Chemistry. From 1988 to 2002 he worked at Atomic Energy of Canada Limited's Chalk River Laboratories, specializing in radioactive waste management and decommissioning. He continues to contribute his expertise as a consultant for the IAEA.

**Renatas Šumskis** is a chief specialist in the Nuclear Energy Policy Group at the Ministry of Energy of the Republic of Lithuania. He develops and maintains the regulatory framework for nuclear and radioactive waste management, and led the review and update of its National Radioactive Waste Management Programme in 2021–2022. In 2022, he participated in the full scope ARTEMIS peer review mission in Lithuania and the project specific ARTEMIS mission for Lithuania's deep geological repository in 2023. He now oversees the implementation of the mission's recommendations.