

Introductory course on EURAD and Radioactive Waste Management

September 14, 2020 | Video conference (streamed and recorded)

Programme

08:45 – 09:00 h	Introduction and welcome
09:00 – 10:15 h	<p>Framework for radioactive waste disposal</p> <p>Overview of Radioactive Waste Management in Europe</p> <p>View of European Commission on Waste Directive</p> <p>Legislation and regulations</p>
10:15 – 12:35 h	<p>Introduction to the European Joint Programme on Radioactive Waste Management (EURAD)</p> <p>Scope, vision, goals and objectives of EURAD/Strategic Research Agenda/Governance</p> <p>Presentation of different actors</p>
10:40 – 10:55 h	Break
	<p>Scientific themes addressed by EURAD + PREDIS</p> <p>Chemical evolution and interaction in disposal cells</p> <p>Influence of temperature and gas on clay materials</p> <p>Modelling of coupled processes</p> <p>Challenges for EURAD/expected impact of EURAD</p>
12:35 – 13:20 h	Lunch
13:20 – 14:00 h	<p>Nuclear Fuel Cycle and Radioactive Waste</p> <p>Origins of spent nuclear fuel</p> <p>Radioactive waste characterization and conditioning</p>
14:00 – 15:20 h	<p>Disposal Concepts</p> <p>Engineered barrier systems</p> <p>Surface/near surface disposal</p> <p>Geological disposal: Site selection and characterisation</p> <p>Small inventory disposal programmes</p>
15:20 – 15:35 h	Break

15:35 – 16:35 h	Facility design
	Pilot and large scale testing
	Construction and operations
	Societal concerns related to siting and facility operation
16:35 – 17:15 h	Safety analysis and safety case
	Status of European safety cases
	Importance of uncertainty
17:15 – 17:20 h	Closure