

Introductory course on EURAD and Radioactive Waste Management

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

Programme

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| 08:45 – 09:00 h | Introduction and welcome (P. Zuidema, EURAD Chief Scientific Officer) |
| 09:00 – 10:15 h | <p>Framework for radioactive waste disposal</p> <p>Overview of Radioactive Waste Management in Europe (DG ENER or M. Martin Ramos, EC JRC)</p> <p>View of European Commission on Waste Directive (DG ENER or M. Martin Ramos, EC JRC)</p> <p>Legislation and Regulations (B. Hedberg, SSM)</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 (L. Théodon, Andra; EURAD Coordinator)</p> <p>Presentation of different actors (L. Théodon, Andra)</p> |
| 10:40 – 10:55 h | Break |
| | <p>Scientific themes addressed by EURAD + PREDIS (C. Bruggeman, SCK CEN)</p> <p>Chemical evolution and interaction in disposal cells; ACED, CORI + FUTURE (D Jacques/N. Maes, SCK CEN)</p> <p>Influence of temperature and gas on clay materials; HITEC + GAS (M. Olin, VTT)</p> <p>Modelling of coupled processes; DONUT (F. Claret, BRGM)</p> <p>Challenges for EURAD/Expected impact of EURAD (P. Zuidema, NAGRA)</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 (F. Plas, Andra)</p> <p>Radioactive waste characterization and conditioning (E. Holt, VTT)</p> |
| 14:00 – 15:20 h | <p>Disposal Concepts</p> <p>Engineered Barrier Systems (P. Herold, BGE Tech)</p> <p>Surface/Near surface disposal (C. Bucur, RATEN)</p> <p>Geological disposal: Site selection and characterisation (J. Andersson, SKB)</p> <p>Small inventory disposal programmes (O. Karsten Nielsen, DEKOM)</p> |
| 15:20 – 15:35 h | Break |

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| 15:35 – 16:35 h | Facility design |
| | Pilot and large scale testing (J. Hansen, POSIVA) |
| | Construction and operations (T. Jalonen, POSIVA) |
| | Societal concerns related to siting and facility operation (G. Heriard-Dubreuil, MUTADIS) |
| 16:35 – 17:15 h | Safety analysis and safety case |
| | Status of European safety cases (R. Tadesse, OECD-NEA) |
| | Importance of uncertainty (F. Lemy, BelV) |
| 17:15 – 17:20 h | Closure |