Workshop on the Initial Estimation of Backend Costs for Advanced Reactors and Small Modular Reactors

Paris, France
18-20 November 2025

Draft Programme

Programme – Day 1

Opening Session

9:00   **Welcome and Opening Remarks**

Title of speaker

9:30   **Keynote Remarks**

Title of speaker

10:00   Coffee break

Session 1

10:20   **Understanding SMR/Gen IV Technologies and Design Features**

Chair

Title of speaker (20") Technologies, operation

Title of speaker (20") Backend, standardisation, modularity

Title of speaker (20") Typical types, design, materials,

11:20   **International collaboration on SMR/Gen IV Technologies**

Title of speaker (20") OECD/NEA

Title of speaker (20") IAEA/EC

12:00   Lunch

Session 2

13:30   **Impact of SMR/Gen IV Technologies Fuel Types and Fuel Cycles on Spent Fuel and Radioactive Waste Management**

Chair

Title of speaker (20") Waste types, expected volumes, comparison with traditional reactors

Title of speaker (20") Generic waste streams, projections of waste streams – Research Facility/EC

Title of speaker (20") Typical fuel designs for SMR/Gen IV, impact on existing SF management approach

Session 3

14:30 **Lessons learnt from management of existing Waste Streams and application to SMR/Gen IV Technologies**

Chair

Title of speaker (20") Waste streams for traditional reactors, IAEA classification

Title of speaker (20") Best practices on managing and disposal of existing demonstration facilities/legacy facilities

Title of speaker (20") Aspects of disposal/reprocessing from current practises as applicable to SMR/Gen IV –

15:30 Coffee break

Session 4:

15:50 **Panel Discussion on projections of decommissioning strategies for SMR/Gen IV Technologies**

Chair

Title of speaker (5")

Title of speaker (5")

Title of speaker (5")

Title of speaker (5")

16:50 **Panel Discussion on SMR/Gen IV Technologies on generic cost estimation for waste management strategies (waste management, spent fuel management, and decommissioning waste management)**

Chair

Title of speaker (5")

Title of speaker (5")

Title of speaker (5")

Title of speaker (5")

17:50 **Closing Remarks**

18:00 End of day 1

Programme – Day 2

Session 5: Keynote Remarks

9:00   **Keynote Remarks**

Title of speaker

Session 6

9:20   **Overview of Current Cost Estimation Methodologies**

Chair

Title of speaker (20") Review of cost estimates approach at OECD/NEA, IAEA

Title of speaker (20") Role of the ISDC and current activities

10:00   Coffee break

10:30   Panel Discussion on cost estimation methodologies for SMR/Gen IV Reactors *(Focus areas: costing approaches, assumptions and boundary conditions, benchmarking, initial cost estimates availability and interest for)*

Chair

Title of speaker (5")

Title of speaker (5")

Title of speaker (5")

Title of speaker (5")

12:00   Lunch

Session 7

13:00   **Panel Discussion on design considerations for the backend in licensing of SMR/Gen IV Reactors: Lessons Learnt**

Chair

Title of speaker (20") Design Features leading to optimisation of decommissioning activities

Title of speaker (20") Impact of expected deployment scenarios

Title of speaker (20")

14:00 **Regulatory perspectives on licensing of SMR/Gen IV Technologies (Regulator)**

Chair

Title of speaker (20") Current regulatory status and overview of experiences

Title of speaker (20") Challenges in providing decommissioning plan addressing new technologies

Title of speaker (20") Regulatory perspectives

15:00 **Panel Discussion: Operator perspectives on licensing of SMR/Gen IV Technologies (Utilities/Operators)**

Chair

Title of speaker (5")

Title of speaker (5")

Title of speaker (5")

Title of speaker (5")

16:00 Coffee break

Session 8

16:20 **Breakout Session: World Café Format**
Topic: TBD

17:20 **Breakout Session Recap**
Title of speaker

17:50 **Closing Remarks**

18:00 End of day 2

Programme – Day 3

Session 9	
9:30	**Opening Remarks**
9:40	**Panel Discussion: Funding Scheme for the backend of SMR/Gen IV Technologies**
	Chair
	Title of speaker (5")
	Title of speaker (5")
	Title of speaker (5")
	Title of speaker (5")
10:40	Coffee break
11:00	**Recap of Workshop and Plenary Discussion**
12:15	**Closing Remarks**
12:30	End of Workshop