

WP11 – IMPACT OF CLIMATE CHANGE ON NUCLEAR WASTE MANAGEMENT (CLIMATE)

Topical session 4

Annual Event n1 Sept 2025 Bologna



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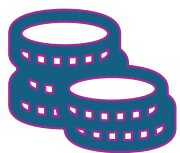
WP11 – IMPACT OF CLIMATE CHANGE ON NUCLEAR WASTE MANAGEMENT – CLIMATE

CLIMATE is part of the European Partnership on Radioactive Waste Management, 2024-2029 (EURAD-2), is a **Strategic Study** that started in October 2024

Identify **knowledge gaps and provide recommendations** for future research needs on the impact of climate change on radioactive waste management facilities and sites (predisposal; shallow and near surface low level waste, LLW; deep geological repositories, DGR, for low and intermediate level waste LILW, and high-level waste HLW) during construction, operation and post-closure phases.



2 years



1 M€ (funded 100 %)



23 partners

19 end-users

16 stakeholders

eurad²



IRSN
INSTITUT
DE RADIOPROTECTION
ET DE SÛRETÉ NUCLÉAIRE

NTW
NUCLEAR TRANSPARENCY WATCH

MINES PARIS

ANDRA
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AMPHOS²¹
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Nuclear Waste Services

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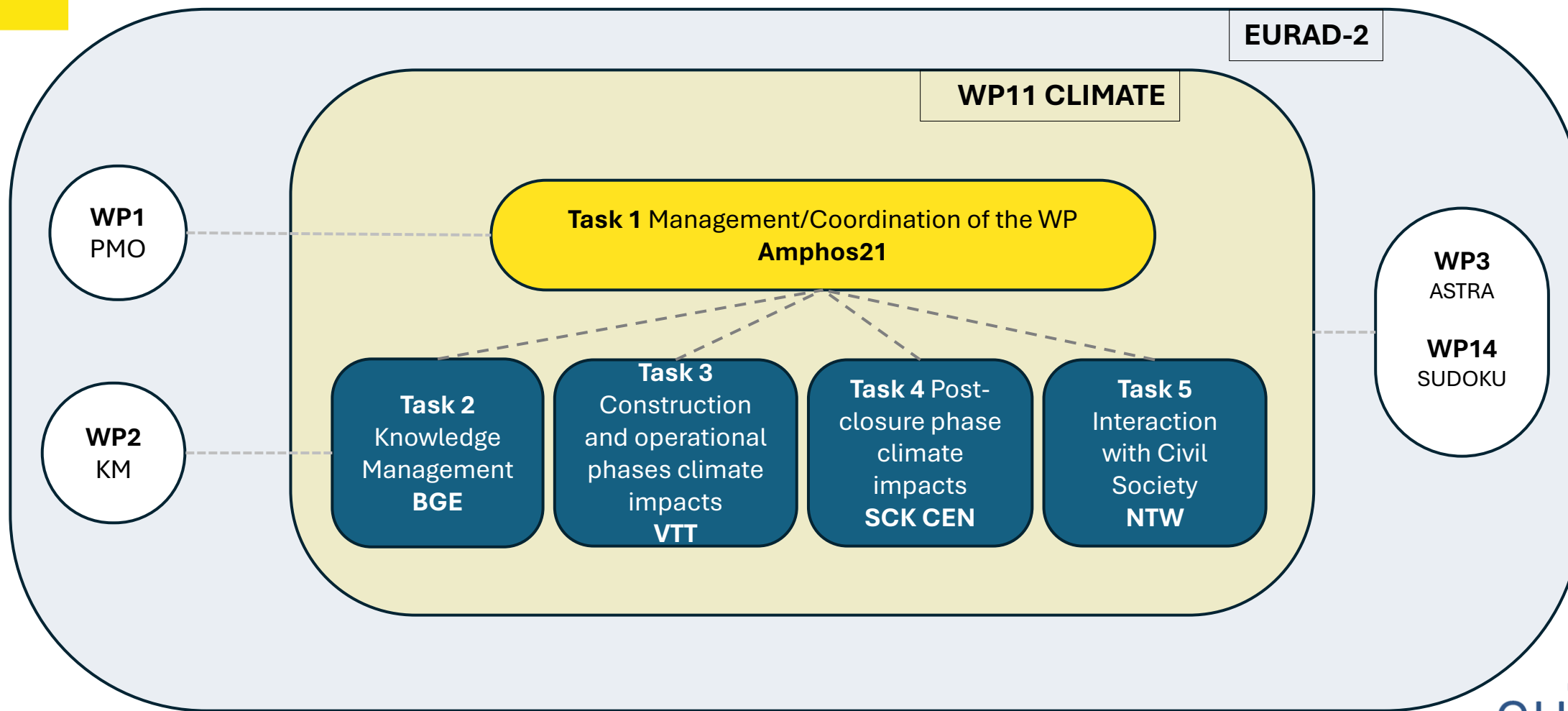
SSI'C NRS STATE ENTERPRISE
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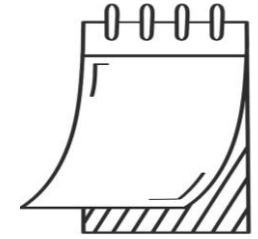
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WP 11 CLIMATE ORGANIZATION



WP11 CLIMATE

Expected Outputs



- **A White Paper**, on the impact of climate change on nuclear waste management analysing gaps and providing recommendations for future actions.
- **A Synthesis Report**, consolidating data on climate scenarios, facility profiles, and risk assessment methodologies.
- **An Outcomes to Member States**, identifying the challenges for the WP and the next actions to deliver.

The documents generated will provide valuable recommendations to **policymakers, regulators, and the scientific community**, contributing to the development of safety-oriented and effective strategies for radioactive waste management in the context of short-term (decades and centuries) and long-term (millennia and longer) climate change.