

GIROSCOPE

Guidance for Innovative Reactor Off-Site Consequences, Planned and Emergency

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on behalf of the GIROSCOPE team



National Centre for
Nuclear Research, NCBJ,
Poland

Poland



Research Centre for
Energy, Environment and
Technology, CIEMAT,
Spain

Spain



Norwegian University of
Life Sciences, NMBU,
Norway

Norway



Federal Office for
Radiation Protection, BfS,
Germany

Germany



University of
Gothenburg, Sweden

Sweden



Nuclear Protection
Evaluation Center, CEPN,
France

France



Nuclear Safety and
Radiation Protection
Authority, ASNR, France

France



Canadian Nuclear
Laboratories (CNL),
Canada

Canada



Portuguese Environment
Agency, APA, Portugal

Portugal



UK Health Security
Agency, UKHSA, United
Kingdom

United Kingdom



National Centre For
Scientific Research
Demokritos, NCSR-D,
Greece

Greece



NERIS platform



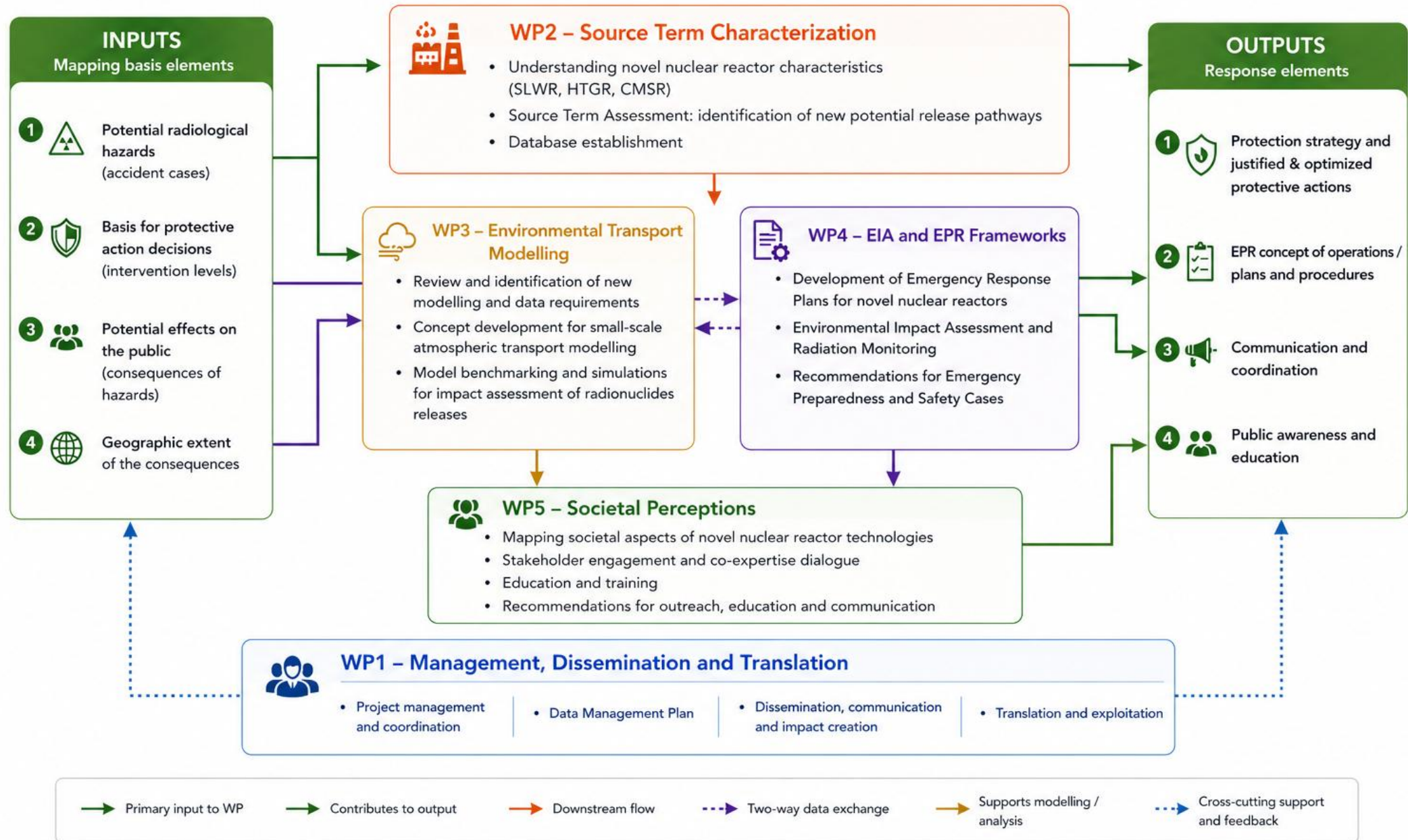
12th NERIS Workshop, 2026, 28 - 30 April 2026
ASNR, Fontenay-aux-Roses (France)



Co-funded by
the European Union

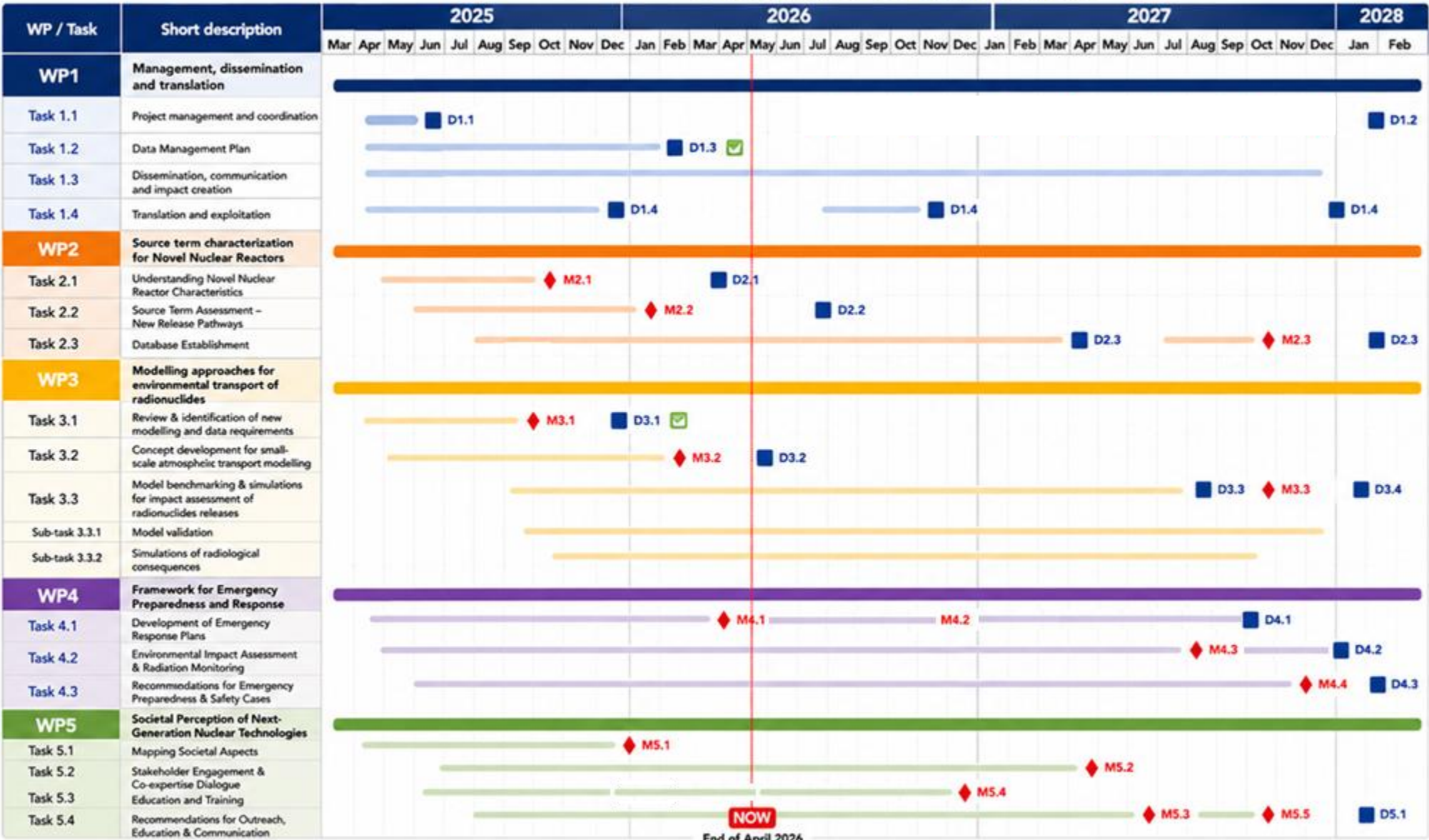
GIROSCOPE Project – Work Package Flow

Integrated framework for guidance on off-site consequences of novel nuclear reactor technologies



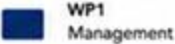
GIROSCOPE Project Gantt Chart

Start: 01.03.2025 | Duration: 36 months



MILESTONES		
♦ M2.1	Unique design features identified	(M7)
♦ M2.2	Methodology & source terms estimated	(M11)
♦ M2.3	Comprehensive database available	(M30)
♦ M3.1	New requirements for modelling & data	(M9)
♦ M3.2	Modelling framework defined	(M16)
♦ M3.3	Benchmarking & simulations completed	(M30)
♦ M4.1	Scenarios defined for modelling	(M14)
♦ M4.2	UP2, EPD, ICPD defined	(M21)
♦ M4.3	Framework for Env. Impact Assessment	(M28)
♦ M4.4	Final report & recommendations	(M35)
♦ M5.1	Literature review complete	(M12)
♦ M5.2	Stakeholder engagement summary	(M24)
♦ M5.3	Draft outreach recommendations	(M30)
♦ M5.4	Education & training summary	(M18, M30)
♦ M5.5	International workshop	(M32)

DELIVERABLES	
■ D1.1	Periodic progress reports (confidential)
■ D1.2	Periodic financial reports (confidential)
■ D1.3	Data Management Plan (M13)
■ D1.4	Project info updates on PF on-line tools (M12, M24, M30)
■ D2.1	Report on severe accidents source term (M13)
■ D2.2	Report on annual releases source term (M15)
■ D2.3	Source term database & input files (M31)
■ D3.1	Report on new modelling requirements (M10)
■ D3.2	Concept for small-scale modelling (M17)
■ D3.3	Report on model benchmarking (M24)
■ D3.4	Report on selected cases' simulations (M31)
■ D4.1	Methodology for planning zones (M33)
■ D4.2	Env. Impact assessment & monitoring (M31)
■ D4.3	Final report & recommendations (M36)
■ D5.1	Addressing stakeholder concerns (M36)



WP1
Management



WP2
Source term



WP3
Modelling



WP4
Emergency
preparedness



WP5
Societal
perception



Milestone



Deliverable



Timeline: March 2025 – February 2028
(36 months)