

## M8 – FIRST ROADMAP COMPLETE

Milestone #8 has been successfully achieved. Preliminary assessment frameworks and roadmaps for maritime technology scale-up were successfully developed. Under the coordination of ISKRA as the work package lead, project partners completed the first full cycle of pre-planning activities for all three pilot projects, establishing pathways from current technology status to demonstrator deployment.

### Key Activities and Achievements:

- **T5.4 – Framework Development**

Three professional assessment frameworks were created and validated through pilot application: Technical Feasibility Study Framework, Commercial Feasibility Study Framework, and Action Plan Template. These frameworks were designed as cross-sector tools applicable beyond INNO2MARE, supporting maritime technology commercialization more broadly.

- **T5.1, T5.2, T5.3 – Preliminary Roadmap Development**

All three pilots completed preliminary roadmaps mapping current TRL to target demonstrator deployment, with implementation timelines established through Q2-Q4 2026. The pilots span diverse technology maturity levels: VR Fire Safety Training (TRL 5-6), Digital Twin Energy Management (TRL 3-4), and Autonomous Maritime Systems (TRL 3-6 depending on AI model component).

- **Cross-Pilot Learning and Synthesis**

Analysis across technologically diverse pilots revealed critical maritime-specific patterns: significant digital infrastructure variation (from advanced automated systems to manual paperbased processes) requiring adaptive technology design; multi-stakeholder coordination complexity extending timelines 30-50% beyond industrial equivalents; inconsistent TRL assessment clarity among pilot developers, highlighting the need for TRL-adaptive frameworks that adjust assessment depth and requirements based on technology maturity stage; and strategic value of leveraging sister companies or partner facilities for authentic maritime sector learning.

### Impact and Outlook:

The activities completed under Milestone 8 establish structured assessment methodologies for systematic maritime technology scale-up. The frameworks developed address documented maritime sector needs for innovation translation tools, accounting for conservative adoption culture, regulatory complexity, and fragmented stakeholder landscapes.

M8 establishes the foundation for Deliverable D5.1 (April 2026), where preliminary assessments will advance to comprehensive feasibility studies and detailed action plans. Framework refinement based on partner feedback will occur January-February 2026, followed by detailed pilot implementation planning March-April 2026.