



Waterborne

Digital Twins, AI
and predictive
technologies

Navigability & water level forecasting solutions



Funded by the
European Union

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Developed by :



Project by :



Operational fields

Technologies

Solutions



NAVIGABILITY & WATER LEVEL FORECASTING SOLUTIONS

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Solution description

Digital twin that combines historical and real-time water level data with weather forecasts to deliver accurate, short- and medium-term predictions of river navigability, especially during extreme weather events.

Expected impacts are numerous:

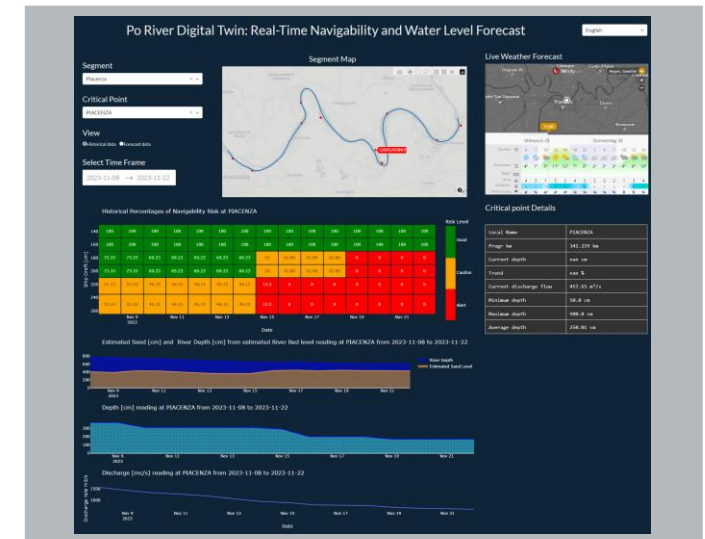
- Increases efficiency and resilience of inland waterway transport
- Enables better resource deployment during floods or droughts
- Reduces costs from unexpected low or high water events
- Strengthens the competitiveness and sustainability of waterborne logistics



Benefits

- Reliable water level forecasts up to 14 days ahead
- Integrates multiple data sources for high prediction accuracy
- Provides actionable insights for risk mitigation and transport planning
- Essential tool for adapting to climate change impacts on waterways

Main beneficiary:
IWT Logistics stakeholders



Technology readiness level : **6**
Implementation stage : **Pilot**

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Let's get in
contact!



Would you like to know more?
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