



PROGRAMME OF IW-NET FINAL EVENT

12 October 2023

8:30 – 9:00 *Registration & welcome coffee*

Meeting room:

- 9:00 Welcome
- 9:10 Introduction by Nils Meyer-Larsen, IW-NET Project Coordinator
- 9:30 IW-NET decision support analytics, Zisis Palaskas
- 9:50 Simulation-based optimisation of IWT flows on river Weser, Patrick Specht
- 10:20 Intermodal urban last-mile transport with track & trace, Yves de Blic

Expo area in the tent:

10:50 *Coffee break and permanently running demonstrations in the exhibition area*

Organised presentations by AS1A "Intermodal urban last-mile transport with track & trace":

11:05 - 11:20

11:30 - 11:45

Meeting room:

- 11:50 Innovative vessel design and IWT optimisation on the river Danube, Matthias Prandtstetter, Bianca Duldner-Borca, and Bernhard Bieringer
- 12:20 Port call digitalisation and shore power solution, Arne Gehlhaar

Expo area in the tent:

12:50 *Lunch and permanently running demonstrations in the exhibition area*

Organised presentations by AS1A "Intermodal urban last-mile transport with track & trace":

13:20 - 13:35

13:50 - 14:05



Meeting room:

- 14:30 Autonomous shipping and platooning, GALILEO positioning, Peter Slaets and Ralf Ziebold
- 15:10 Explanations of the upcoming demonstrations on the water, Senne Van Baelen and Ralf Ziebold

Live demonstrations to be seen from the windows of the meeting room and expo area or from the quay:

Maverick KUL vessel demonstration of autonomous sailing based on the sensor box:

Maverick KUL vessel will show sailing with increased automation and situational awareness. Utilising a mobile, multimodal sensor box, the vessel ensures safe distancing from the quay and shares vital perception data via 4G/5G networks. It showcases live remote visualisation of integrated data, all while adeptly transforming local perception into a global Inland Navigational Chart frame, elevating automation, and situational awareness in inland navigation.

Maverick KUL vessel demonstration of platooning with IW-NET urban vessel I:

Observe the Maverick KUL vessel exhibit advanced autonomous tailing in a vessel train simulation alongside the IW-NET urban vessel I. As the daughter vessel, Maverick, without a skipper in action, autonomously follows the leader (mother) vessel over a trajectory, using a perception sensor box to visualize and transmit live control and tracking data to shoreside monitors, enabling real-time oversight and intervention by RCC operators. This demonstration explains the feasibility and precision of autonomous vessel platooning in inland waterway transport.

IW-NET urban vessel II visit:

Visit IW-NET urban vessel II, moored at the quay, presenting an insightful demonstration of advanced inland waterway transport technologies. Explore innovative components developed in the IW-NET, including zero-emission propulsion and a robust battery pack, all compliant with ES-TRIN standards. The exposition includes a look into the vessel's roll-on & roll-off ramp and a discussion on propulsion and hull design, offering a look into the future of sustainable, efficient waterway transport.

Meeting room:

- 16:25 Closing of the event, by Nils Meyer-Larsen, IW-NET Project Coordinator

Expo area in the tent:

- 16:30 *Networking cocktail and permanently running demonstrations in the exhibition area*
- 17:30 End of the event

