

Novel inland waterway transport concepts for moving freight effectively



NOVIMOVE
Smart & sustainable waterways

Joint EU Smart Shipping & Logistics Platform

13:00 Welcome & Opening

By prof. dr. Rudy Negenborn TU Delft, CEO NOVIMOVE

Rudy Negenborn opens the meeting with a welcoming word, speaking about the opportunities to jointly disseminate our projects and about the new projects present.

13:10 Tour de Table

5 min status update per project

1. PLATINA3

<https://platina3.eu>

Martin Quispel (EICB), project coordinator. PLATINA3 is a Coordination and Support Action (CSA) type of project in support of implementation of the NAIADES III inland policy program from the EC. The project started last year, now it is half-way. Already three large scale, European events have taken place, the fourth one is scheduled for the 7th and 8th of June, see also the website www.platina3.eu for registration. Interesting deliverables are upcoming, most notably on financing and on labelling.

2. ENTRANCE

[Entrance \(entrance-platform.eu\)](https://entrance-platform.eu)

Jeanett Bolther (PNO), coordinator. Main goal of ENTRANCE is to connect buyers and sellers of transport solutions. This year interest in potential solutions is identified. Market Analysis for potential buyers has been done. Open calls are there for both buyers and solution providers. This gives everyone an equal opportunity to provide solutions or buy them. Matchmaking and brokerage events provide support for implementation, provide help with purchase aggregation. Buying also means buying specific innovative transport solutions with the goal of reducing CO2 footprint of the transport sector. The project has a 2021-2023 timeline and wants to continue after the project timeline.

3. BOOSTLOG

» [The BOOSTLOG project: Boosting the impact of freight transport and logistics EU funded research \(etp-logistics.eu\)](https://etp-logistics.eu)

Yanying Li (ALICE). Boostlog is currently launching the innovation marketplace which is dedicated to help innovation projects. Once the project ends, BOOSTLOG wants to help with bringing the innovations to the next level, being the goal of the innovation marketplace. Where entrance is about market-ready solutions en finding buyers for them, Boostlog is there for (outcomes of) innovation projects and to help their output to become something more.

4. IW-NET

[IW-Net Project | IW-Net](#)

Nils Meyer-Larsen (ISL) sums up the main ingredients of IW-NET: connectivity, new sailing concepts and synchro modal solutions. Application scenario's development are ongoing. There is a Living Lab starting up (BLL, Port of Brussels) and also a Danube Living lab for data driven navigability in uncertain waters is starting (digitalization, sustainable infrastructure, innovative vessels). A pilot on container transport on the Danube will be coming up. Container transport on the Danube is not yet that common, it is currently even non-existent for the Eastern part of the river. Use cases will be tailored for the Weser river and in Bremerhaven. A tailor-made ship for vessel distribution in cities (Ghent) will be launched, building of the vessel has started. And the team is also looking into platooning.

5. AUTOSHIP

[Autoship \(autoship-project.eu\)](https://autoship-project.eu)

Havard Nordhal (Sintef Ocean). This project aims to simplify development and acceptance of autonomous ships. The consortium develops methods for design and to measure impact of design choices. As for IWT: the ZULU pallet shuttle barge. On Short Sea: the fish feed carrier. Demonstration was delayed by COVID. Preparations for demonstration have gone well, but the retrofitting of vessels has been impacted. Currently they are working on extending the project. Deliverables to be viewed here: www.autoship-project.eu/downloads

6. AEGIS

[AEGIS - a project where autonomous ships meet automated ports \(autonomous-ship.org\)](https://autonomous-ship.org)

Nelson F. Coelho, Aalborg University explains that AEGIS deals with shipping automation. Three use cases are considered: Short Sea, RORO, port development and port automation. Concept vessels for the first use cases are being developed. The 18 months periodic review meeting was completed and the project is halfway through the project timeline. Deliverables are published online, also to be found through the CORDIS website.

7. Current Direct

[Home - Current Direct](#)

Shaun White, technical project manager of Current Direct. The project is centered around an innovative waterborne transport battery cell. The team works on certification of systems and standards on the one hand and

finance and business model on the other. In 2023 a 6 months demonstration period with KOTUG (probably port of Rotterdam) e-tug vessel is foreseen. The team is looking for customer for KOTUG to demonstrate. As a partner project Sea-Bat/C-bat is identified. This might be an interesting party to reach out in order to join this group. They are looking more towards deep-sea solutions. Current Direct has launched Voyage Energy Planner and will receive the first cells from battery supplier in the next few weeks.

8. ST4W

[ST4W - Smart Tracking Data Network for Shipment by Inland Waterway | Interreg NWE \(nweurope.eu\)](#)

Mary Vanselow, IDIT. ST4W is an Interreg project about the last mile urban delivery. They had an event last January together with IW-NET and LEAD. A follow-up workshop will be held. ST4W is interested in the impact of climate zones. A wrap-up of the project is planned for September.

9. NOVIMOVE

[Smart & sustainable waterways \(novimove.eu\)](https://www.novimove.eu)

Erwin van der Linden (EICB), communication and dissemination manager. Last time that we have met, the ship designs were in development and existed as artists impressions only. Now, the next step has been taken: testing on model scale in water basins at the TU Delft and at DST in Duisburg.

Underlying public deliverables are available on the website www.novimove.eu/downloads. If you would like to meet the team in real life, please note our upcoming midterm conference in Duisburg on the 2nd of June.

Registration is possible: www.novimove.eu/duisburg

13:55 Introduction to MOSES

[Moses – Project \(mosesproject.eu\)](https://www.mosesproject.eu)

By Nikolaos Ventikos, Associate Professor at NTUA

The project is now halfway through it's timeline. June 2023 it will be ending. The team consists of 17 Partners, amongst others Marin, TNO, Circle, ASTANDER, NTUA, Seability, and more. MOSES Innovations are: the Autodock system (autonomous tugboats + auto mooring), the MOSES recharging station, an innovative feeder vessel, a robotic container handling system and the MOSES matchmaking platform. Special focus is put on design, software, hardware, systems and procedures, basically the whole package. The project has some problems with logistics due to the Ukraine war, since some technical parts of the project innovations were sent by train trough Ukraine.

14:10 Introduction to AUTOBarge

[AUTOBarge Project – ETN Auto Barge \(etn-autobarge.eu\)](https://www.etn-autobarge.eu)

By Mary Vanselow, Projects Manager at IDIT

AUTOBarge is a Mary Cury action, focusing on scientific excellence. Its aim is to build up a highly skilled workforce for the IWT sector and further to develop building blocks needed for autonomous vessels. The consortium consists of many partners and is led by the KU Leuven as lead partner. Fifteen Phd.'s have been recruited under the umbrella of this project.

14:25 Introduction to LASTING

[About LASTING - waterborne.eu](https://www.waterborne.eu)

By Mihai Barcanescu, Project Manager at Waterborne TP

LASTING is a CSA, running from 2021 until 2023, focusing on the development of an innovation oriented communication strategy on a sector level. Goal is to provide a long-lasting communication campaign for Waterborne related RD&I, to be continued after the end of the project. Roll out of this is foreseen to be done by lead partner Waterborne TP. To achieve this, LASTING has made a GAP analysis of innovation needs and information gaps on awareness of outcomes from projects and opportunities for participation. There is no unified and detailed solution to access information from research projects yet. The communication campaign is currently being drafted. LASTING will be present at the SMM and TRA and is interested in relevant events!