

Masterplan Digitalisation of Inland Waterways

Martijn van Hengstum

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Study for investigating potential for digitalization in IWT sector (DINA)

- 1. The improvement of navigation and management of traffic
- 2. The integration with other modes of transport, especially in multimodal hubs
- 3. A reduction of the administrative burden

Conclusion: It is essential for the future competitiveness of inland waterway transport to follow the trends in digitalization



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"The main objectives of the <u>digital transformation of IWT</u> are to make IWT safer, traffic and transport more efficient, the IWT transport activities and logistics connected, integrated, automated and transparent and the <u>IWT domain more</u> <u>sustainable and attractive</u>. DIWA will study and define a <u>common</u> <u>coordinated approach (i.e. a masterplan) of the fairway authorities</u> towards the digital transformation of IWT in order to strengthen towards the digital transformation of IWT in the smart, sustainable and synchro modal supply chains in the next decade."



Participants











Business developments

Smart shipping

What kind of smart infrastructure, smart regulation and smart data(connections) is needed ?

Port & Terminal information service

A central hub in transportatior and to exchange data



ITS, ERTMS, E-navigation

Which data services are operational in other modalities? Re-use of information services from rail, aviation ,maritime and road transport domains in IWT

> Reports are final www. masterplandiwa .eu



Synchro modality

Information services across the complete multi modal transport chain (B2B, B2A, A2B, A2A)

RIS enabled corridor management

Single EU information window on IWT and the future developments



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Technological developments





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Reports are available for feedback on www. masterplandiwa .eu



Facilitators



Standardization

Collection, integration, exchange, presentation and analysis of data, information and systems

Cybersecurity & privacy

Measures for prevention & awareness, detection and reaction to cyber-attacks



Legal & regulatory

Overview of obligations and restrictions but also advise on measures to be taken, especially on smart shipping

ata quality

re-conditions and requirements on data quality anagement related to IWT services, systems nd information.



Business Developments



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Planning



Q2 2023:

• Publish reports on facilitating topics (act 4) and the Masterplan DIWA (act 5) for feedback

Q2/Q3 2023:

Discussion with stakeholder groups about the results, finalizing orts

finalizing the project

