

DIWA – Masterplan Digitalization of Inland Waterways

22nd of March 2023, Brussels / Europe





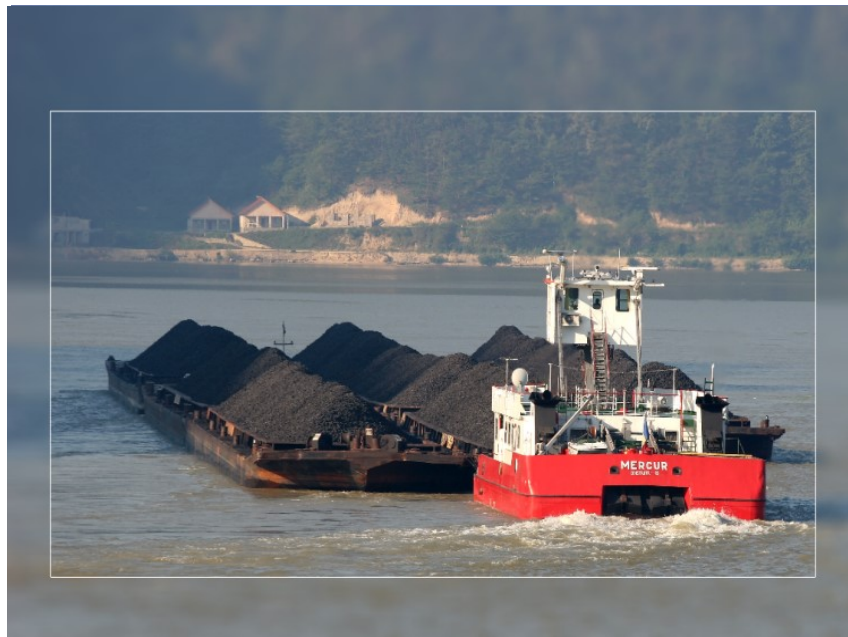
Own IWT-fleet

- + 50 Pushers
- + 450 Barges
- 7 Motor Cargo Vessel
- Pontons, Ferries, others

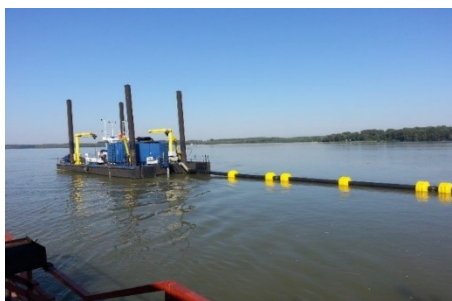
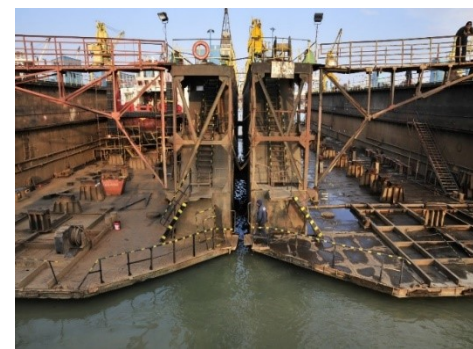
Cargo- / Transport-performance

abt. 8 -12 million tons annually
abt. 10 – 15 billion ton-km

Shipyards, Ports & Operations,
Bunkering, Dredging,



River Services



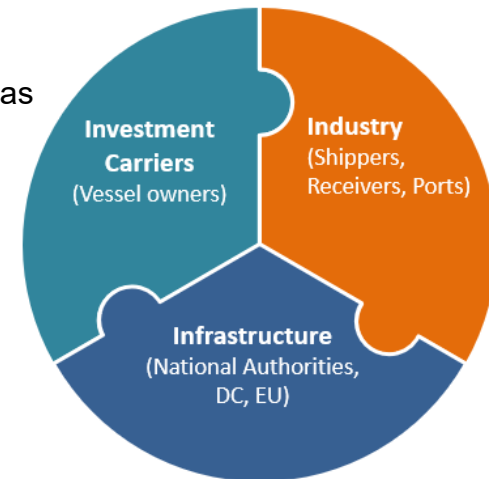
PDI - Pro Danube International

PDI - Pro Danube International (Non-profit business association)

Registration: ZVR203524390
Founded: 22.09.2011
Seat of Association: Grünbergstraße 15, Stiege 1, 5th floor, 1120 Vienna

„We believe that the potential of the Danube waterway, as a competitive logistics system, is by far bigger as we use it today. To unlock this potential is our vision. This strives for passenger as well as for cargo transportation.“

We are: Driving force in the development of the Danube waterway as a competitive and sustainable logistics system
Network of about 200 private businesses
Representing the interests of our members towards EU, public authorities and administrations



Great together – instead of – small alone

pro DANUBE



Workshop: “Digitalization and IWT, working together or on your own”

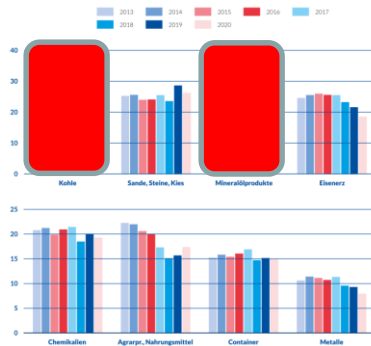
„As one of the most CO2-efficient transport modes available, inland waterways have the potential to play a central role in decarbonising our transport systems. Yet today, our canals and rivers carry just 6% of EU freight.“

Adina Vălean

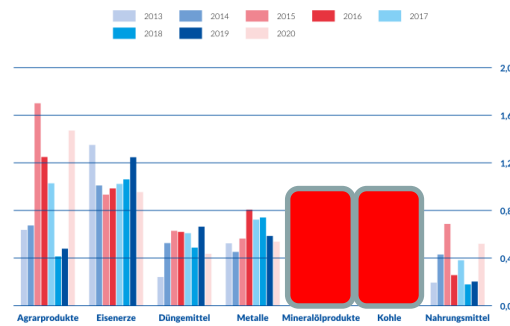
Action plan: **NIAIDES III**
 Target: **IWT – share increase till 2030 by 25%**
IWT – share increase till 2050 by 50%

Digitalization in IWT

Rhine - area



Danube - area



High & Heavy? New cargoes? Gain shares from road transportation ?

1. Functioning Infrastructure
2. Digitalization

ANNEX: ACTION PLAN

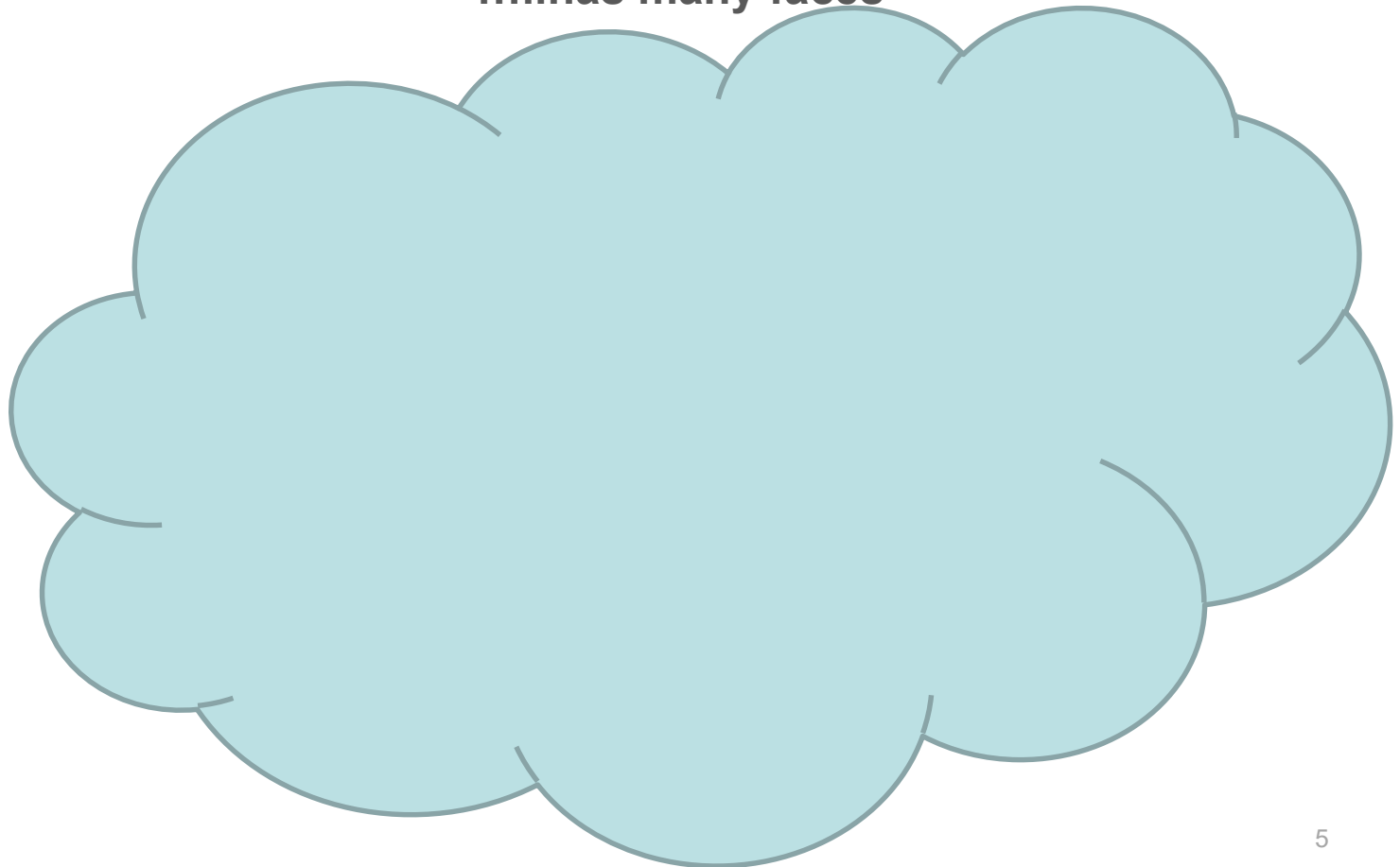
SHIFTING MORE FREIGHT TRANSPORT TO INLAND WATERWAYS	
1. Continued support for innovative infrastructure and deployment through Horizon Europe and CEF	From 2021
2. Revision of the TEN-T Regulation - inland waterway transport requirements and role of coordinators	2021
3. Deployment of cross-disciplinary digital information and operation systems for water- and waterway management through CEF	From 2022
4. Transport crisis contingency plan(s)	2022
5. Review of the regulatory framework for intermodal transport, including the Combined Transport Directive	2022
6. Issue guidelines for operators and platforms on informing users about the carbon footprint of their deliveries and on offering sustainable delivery choices	2023
7. Review the inland waterway transport market access legislation	2022
8. Evaluation of the Directive (EU) 2016/1629 on technical requirements for inland vessels	2022
TOWARDS ZERO-EMISSION INLAND WATERWAY TRANSPORT	
9. Specific actions arising from the Mission on Healthy Oceans, Seas, Coastal and Inland Waters and from the Zero-Emission Waterborne Transport Partnership/Green Hydrogen partnership	From 2021
10. Support through CEF for the deployment of zero-emission inland vessels	From 2021
11. Facilitate through the H2020 Platina III project the elaboration of an EU energy index methodology for assessing carbon intensity levels of inland waterways vessels	2022
12. Evaluate the procedure for allowing derogations in the context of Directive (EU) 2016/1629 for encouraging the navigation of zero-emission vessels on EU waterways	2023
13. Analysis to assess the need for measures for promoting low carbon/zero-emission vessels	2025
14. Revision of the railways State aid guidelines - possible inclusion of IWT and possible block exemption of aid for the coordination of transport	From 2021 to 2023
15. Revision of the State aid guidelines for environmental protection and energy, as well as the State aid Framework for research, development and innovation	2021
16. Technical Guidance document on climate proofing on infrastructure in the period 2021-2027	2021
17. Study to support the greening of inland ports	2021
18. Revision of the Alternative Fuels Infrastructure Directive and a roll-out plan with funding opportunities and requirements	2021
19. Request the European Standardization Organisation for harmonised standards for alternative fuels infrastructure for inland waterways and ports	2021
20. Continuous support for innovative and alternative fuels infrastructure and deployment through Horizon Europe and CEF	From 2021
21. An assessment of the needs of waste reception infrastructure and de-gassing facilities	2024
22. Revision of the Delegated Regulation (EU) 2017/1926 on multimodal travel information services with inclusion of inland waterway transport	2022
SMART INLAND WATERWAY TRANSPORT	
23. Revision of the Directive 2005/44/EC on Harmonised River Information Services	2022
24. Technical assistance for a permanent operational structure for a single point of access for the provision of RIS-based Corridor Information Services	2024
25. An integrated and operationalised vision for the digital transformation of the current traffic and transport related business models and processes in the sector	2023
26. CEF technical assistance project to strengthen public-private cooperation in inland waterway transport and facilitate implementation of the digitalization vision	2023
27. Facilitate the development, demonstration and the deployment of holistic Smart Shipping Concepts for the digital integration of inland waterway transport in the synchronomodal supply chain, including RIS, through Horizon Europe and CEF	From 2021
TOWARDS MORE ATTRACTIVE AND SUSTAINABLE JOBS IN INLAND WATERWAY TRANSPORT	
28. Regular information on the labour market structure through the inland waterway transport market observatory	From 2022
29. Evaluation of social legislation in the context of the market access fitness check	2023
30. Propose measures on digital tools for recording and exchanging information on inland crew and vessels	2021
31. Propose measures on EU crewing requirements for inland navigation	2024
32. Request development of standards for skills for alternative fuels' operations and for environment-friendly and efficient vessel operation (eco navigation)	2022
FINANCING	
33. Facilitate the efforts of stakeholders and Member States to create a fund complementing EU and national financial instruments	2024
GOVERNANCE	
34. Support the CESNI through the CEF technical assistance for the development of technical standards for inland waterway transport	2022
35. Support the CCNR and the Danube Commission for ensuring, where appropriate, the coordination between EU policies and the policies of the respective international organisations	From 2022



Workshop: “Digitalization and IWT, working together or on your own”



Digitalization in inland shippinghas many faces

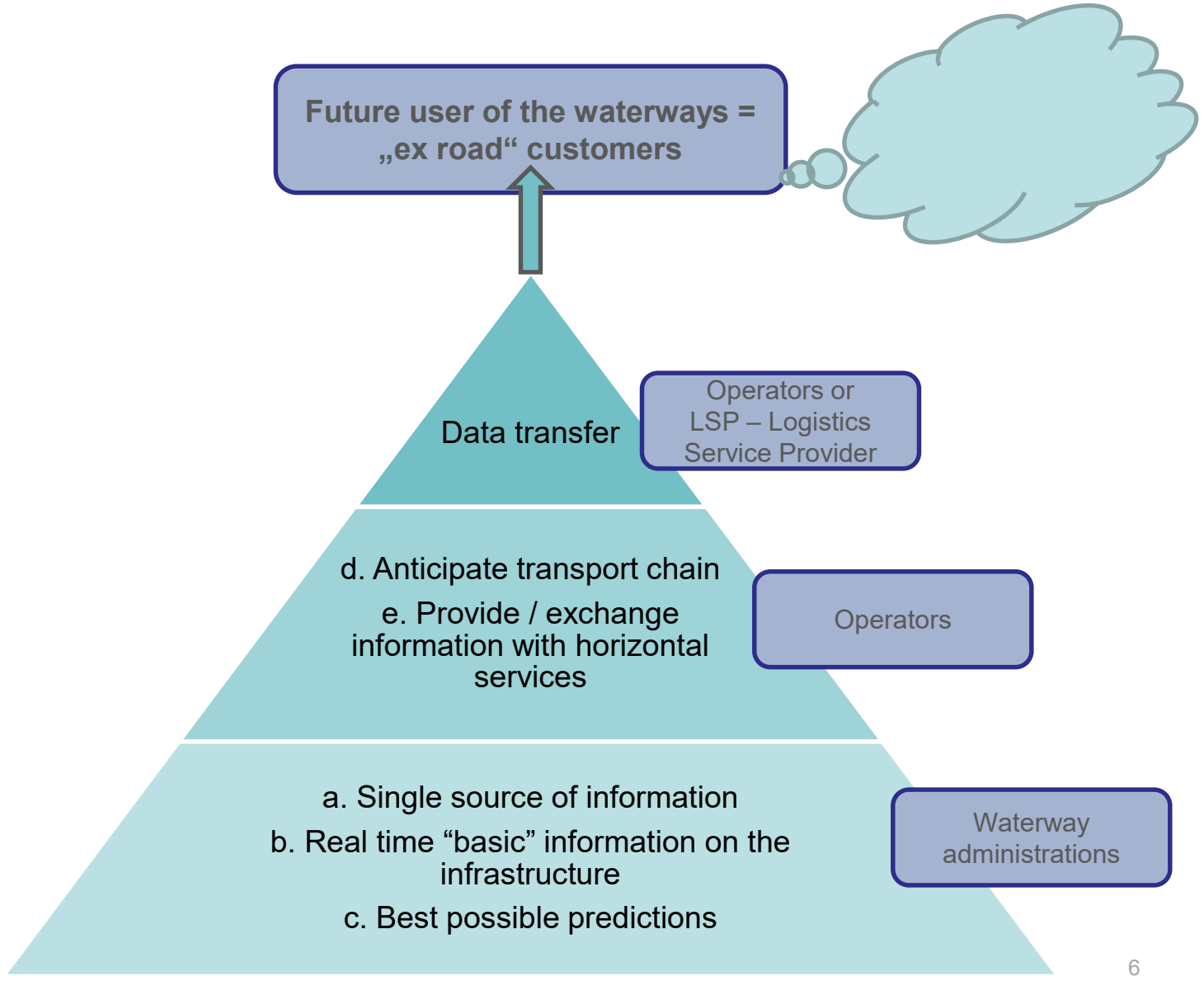


Digitalization in IWT



Digitalization in IWT

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Contact us:

Your attention was highly appreciated

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Pro Danube – the voice for better infrastructure and innovation in Danube transport

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