



More than **190** years  
of solid experience

# First-DDSG Logistics Holding

Expert Meeting / River Engineering Work  
Effects Of Low Water On Inland Waterway Transport

Budapest, 28.02.23



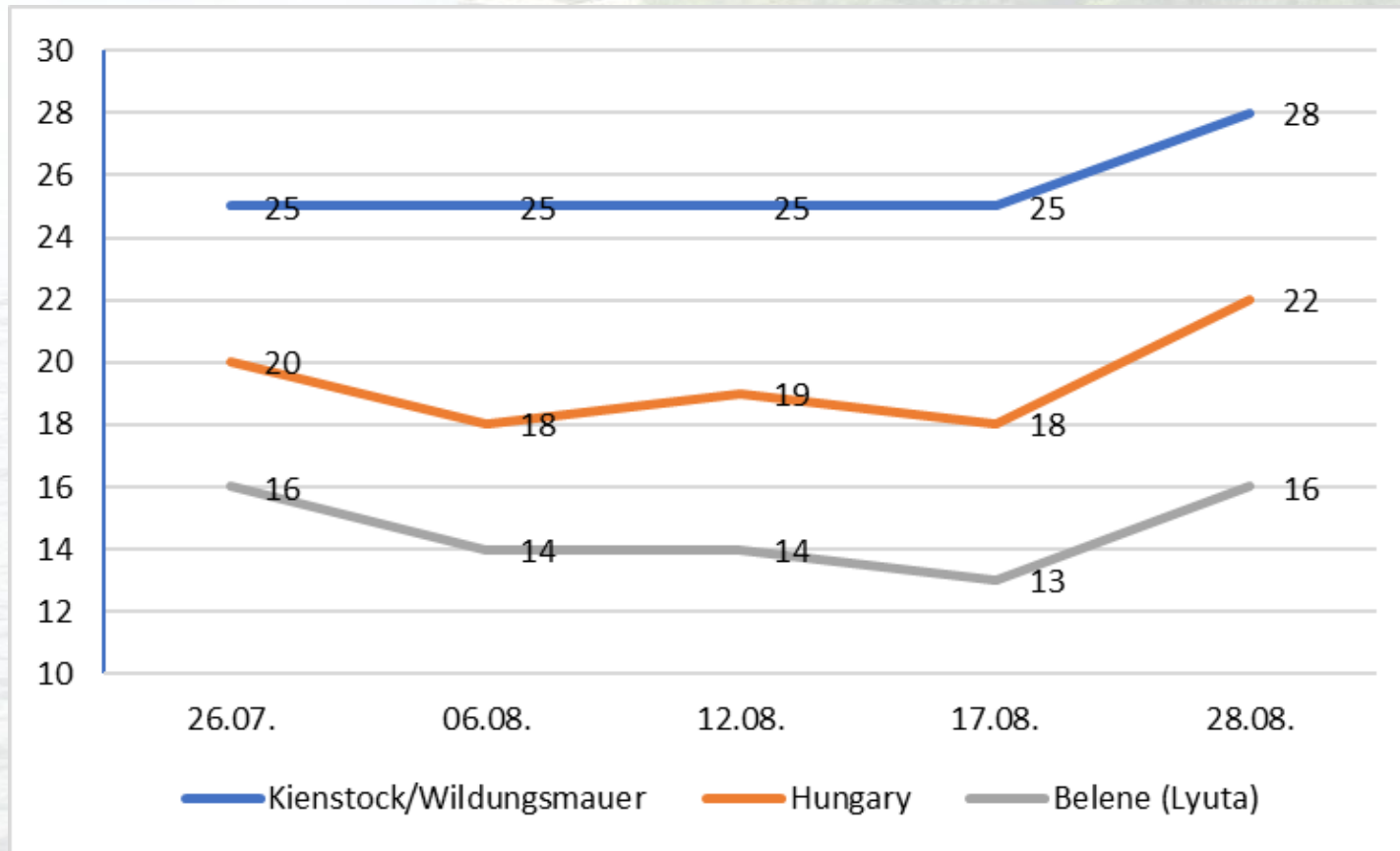
ISO 14001:2015





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– Differences on Draft from 26/07/22 till 28/08/22

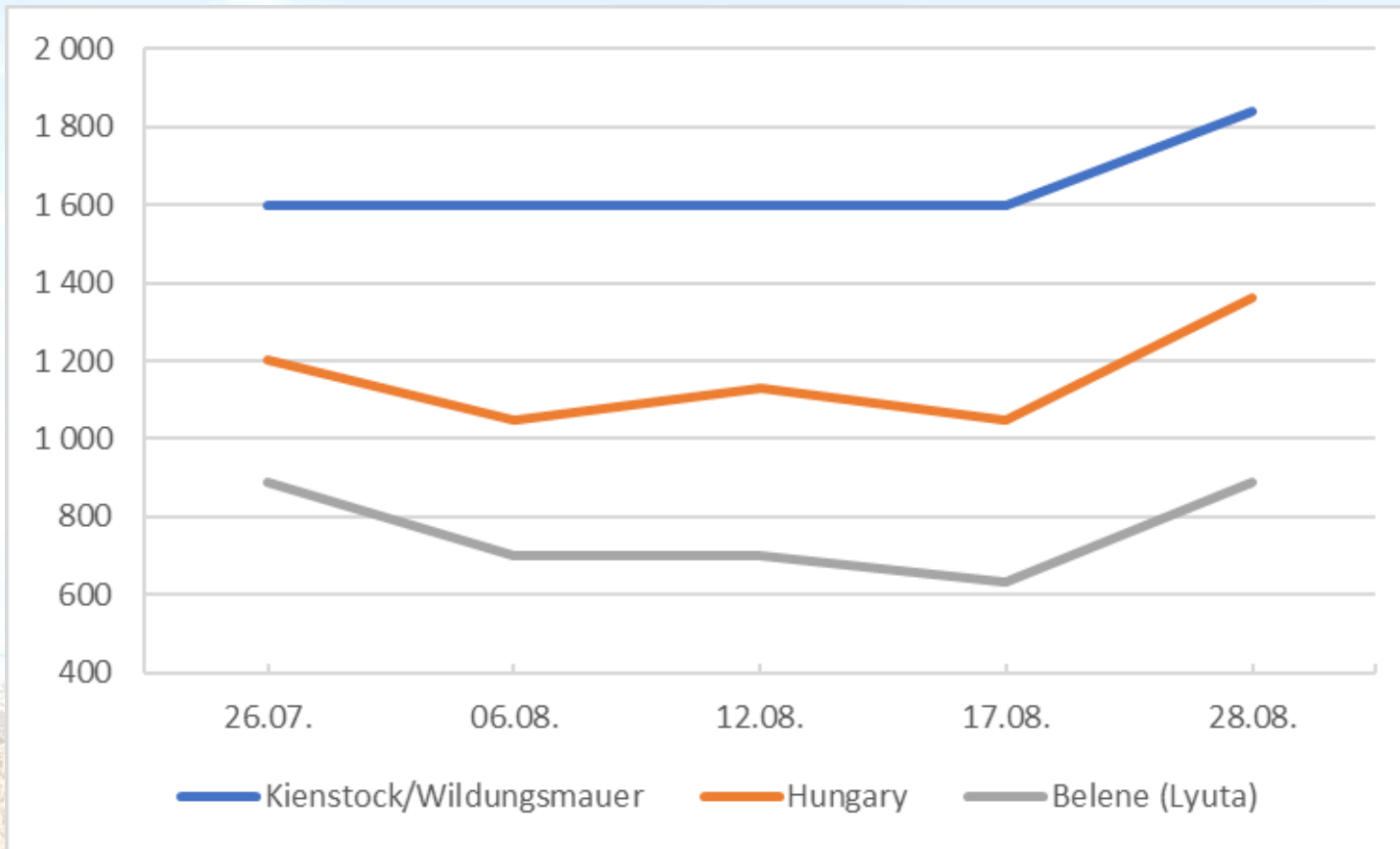


**14dm water depth is impassable for 90% of the ships**



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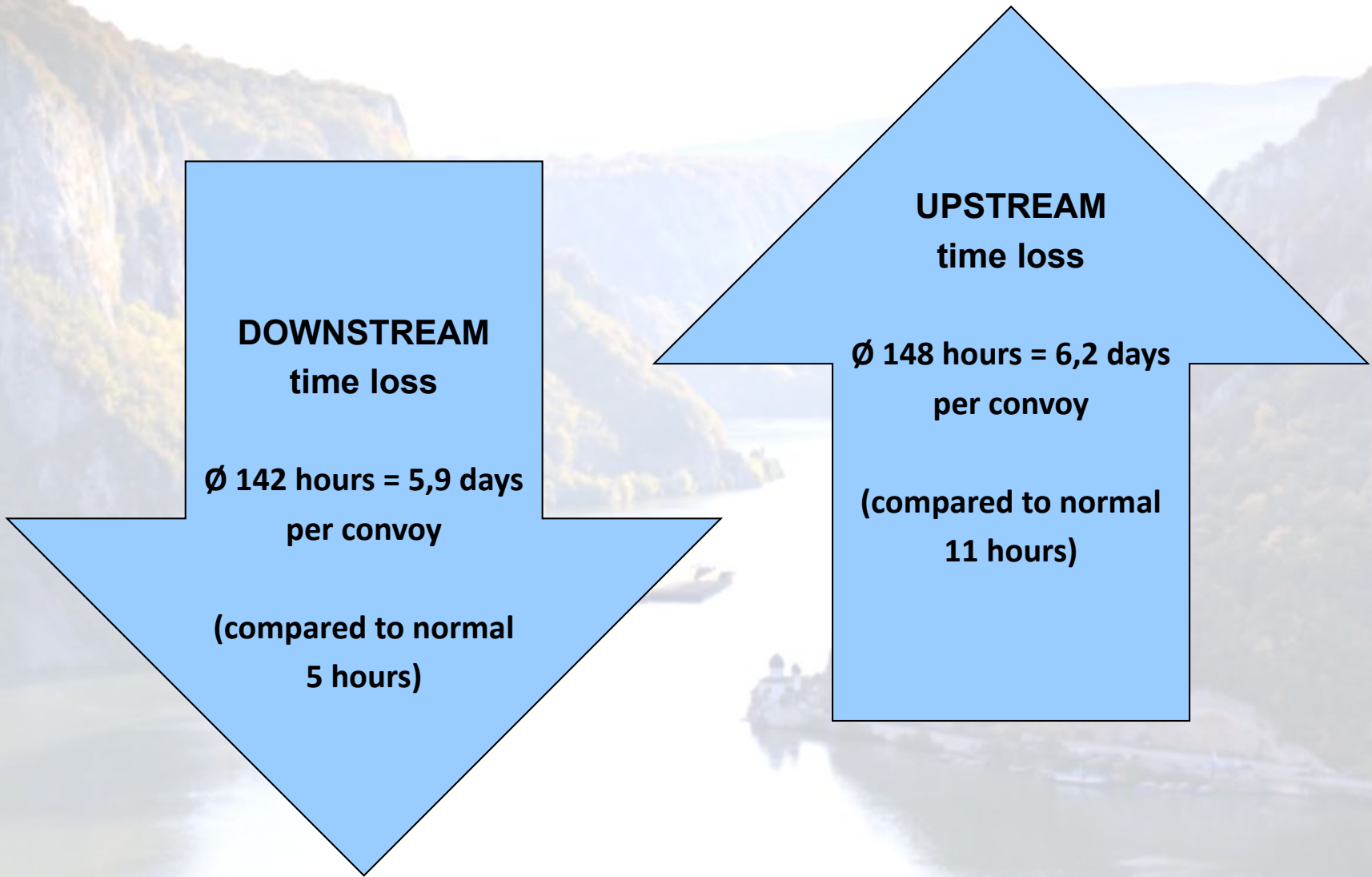
– Differences on Intake from 26/07/22 till 28/08/22



Area	26.07.	06.08.	12.08.	17.08.	28.08.
Lyuta to Wildungsmauer	-710mt	-900mt	-900mt	-970mt	-950mt
	-44%	-56%	-56%	-61%	-52%
Lyuta to Hungary	-310mt	-350mt	-430mt	-420mt	-470mt
	-26%	-33%	-38%	-40%	-35%

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– Time Loss Passing Ford from 26/07/22 till 28/08/22



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## – Lyuta VS Danube



**99,2% of the way with reduced draft**

**just because 0,8% of the way is handicapped**

**2072km**

**16km**



- In the period of dramatic reduced draft and while waiting for the dredging and dredging itself, a maximum of 1 barge and thereafter a maximum of 2 barges could be brought through the bottleneck. This was done with a low-water pusher of 13dm draft.
- The large push boats had to wait for the successful passage above and below the bottleneck.
- Barges that were loaded with too big draft before the ford occurred could not be lightened because of the cargo type or customs procedure and had a delay of delivery for more than 1 month.
- Before a convoy ran aground at the ford Belene/Lyuta and subsequent sanding up due to propeller water, the water depth at the Zimnicea 0 value was 60 cm more than at the beginning of the dredging work.

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## – Proposed Measures



- **Observation of the water depth in the known sections as its already being carried out successfully, for example in Austria.**
- **Timely use of dredging measures to preventively fight against deterioration of the fairway.**
- **To limit the number of barges for the route sections rigorously. This means that pushed and coupled convoys have to pass the section in partial stages and same has to be monitored by the authorities.**



**Many thanks for your attention!**

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