

Presentation of one critical sector – Preliv



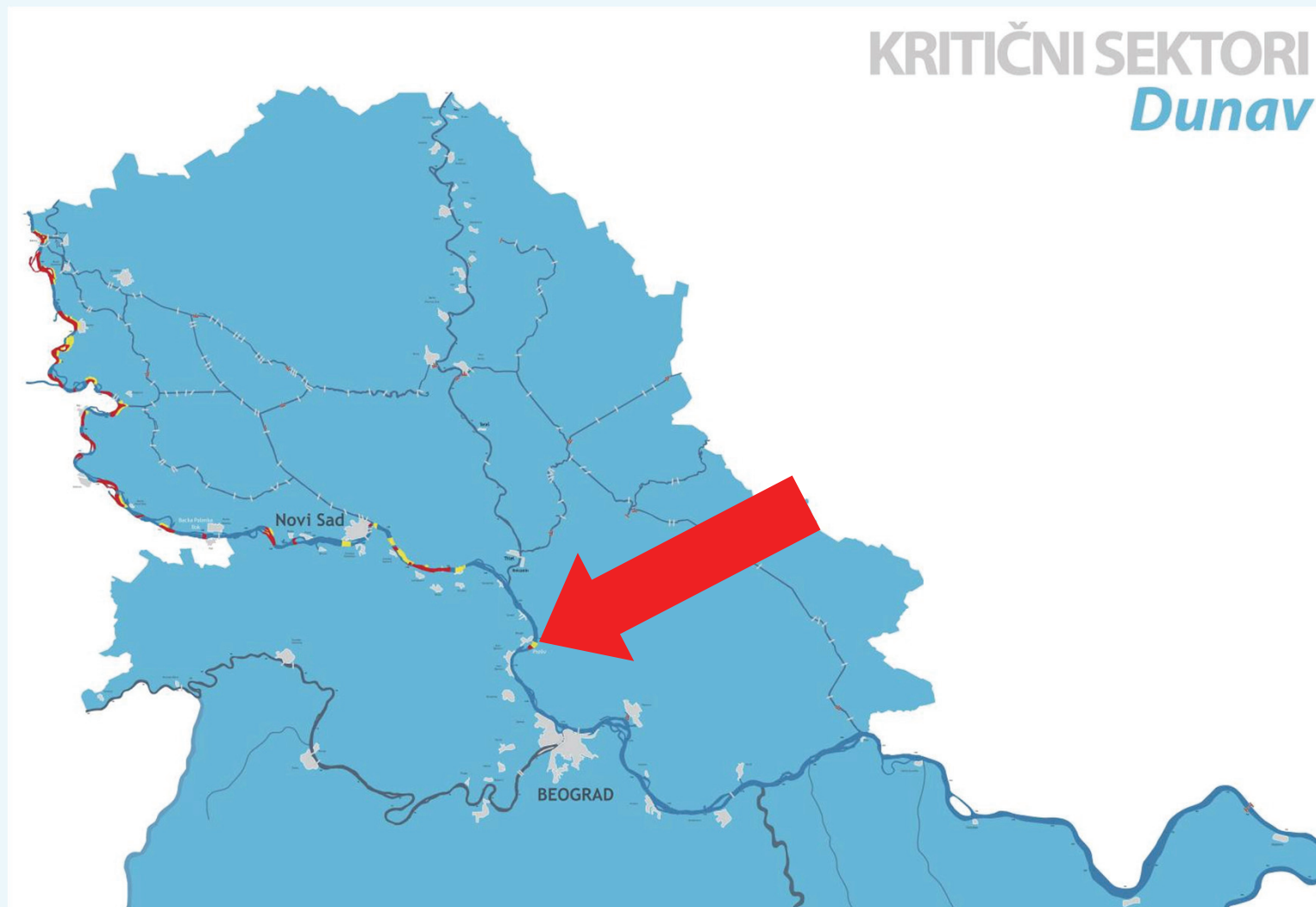
Preparation of Documentation for River Training and Dredging Works on Selected Locations along the Danube River. A project funded by the European Union

13 July, 2012

Content

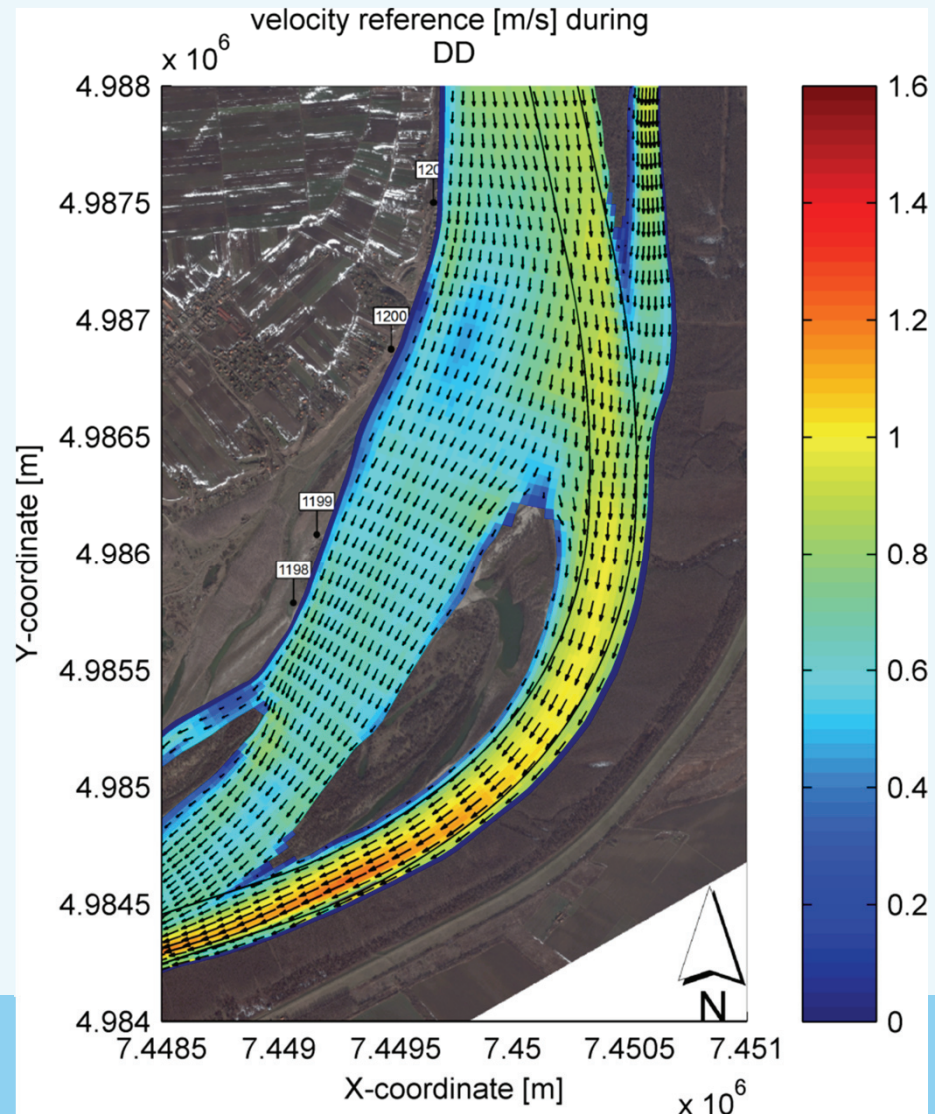
- Existing situation
- Proposed options
- Evaluation of alternative options
- Summary

24. Preliv



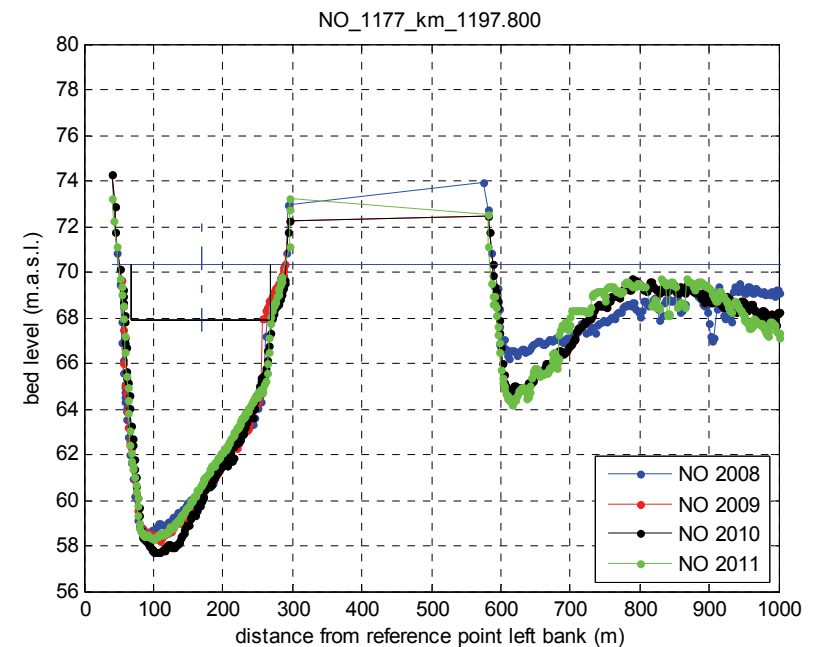
24. Preliv

Existing situation



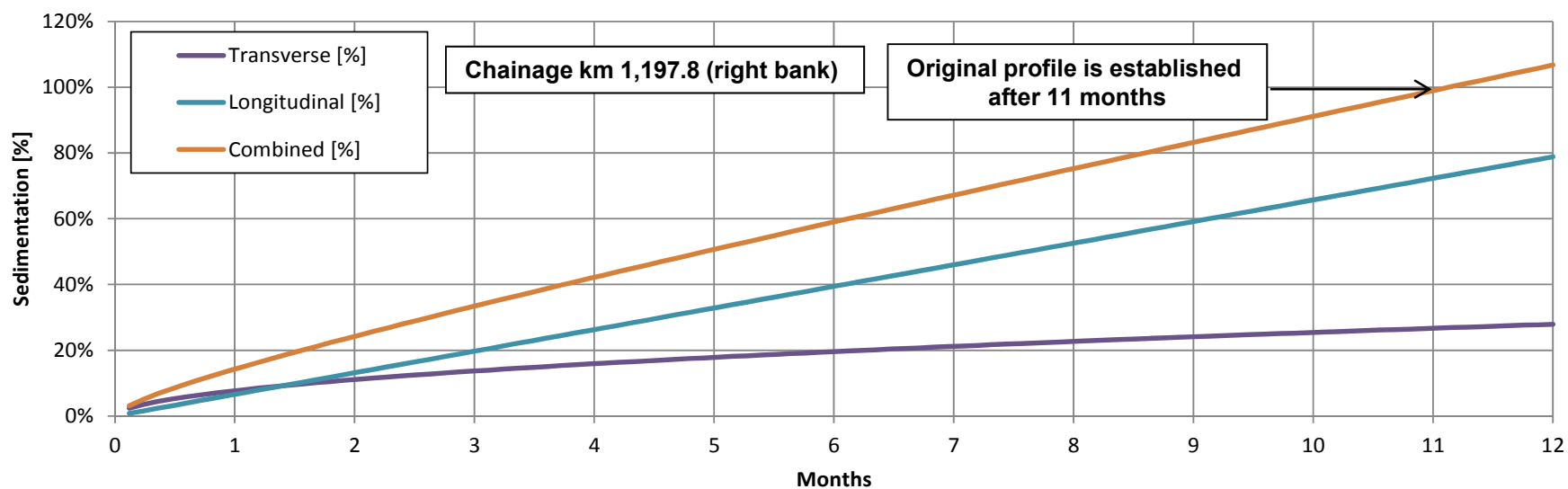
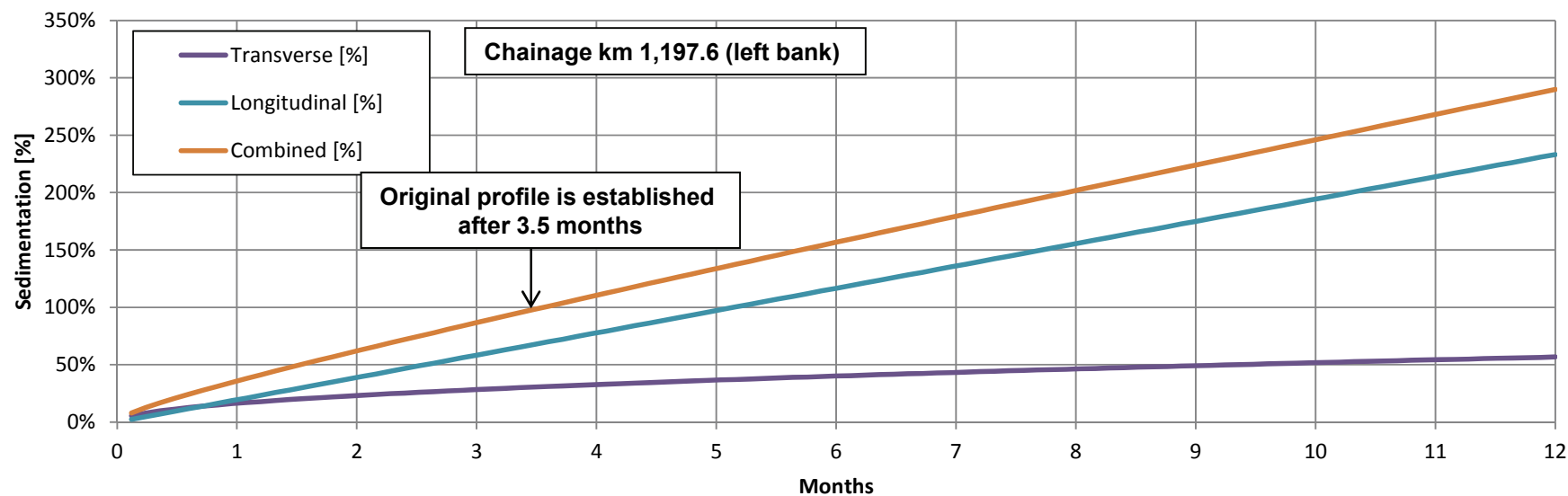
Navigation problems:

- Fairway used to be in the right channel, than moved to the left channel
- Not enough space for the fairway
- dynamic river bed upstream



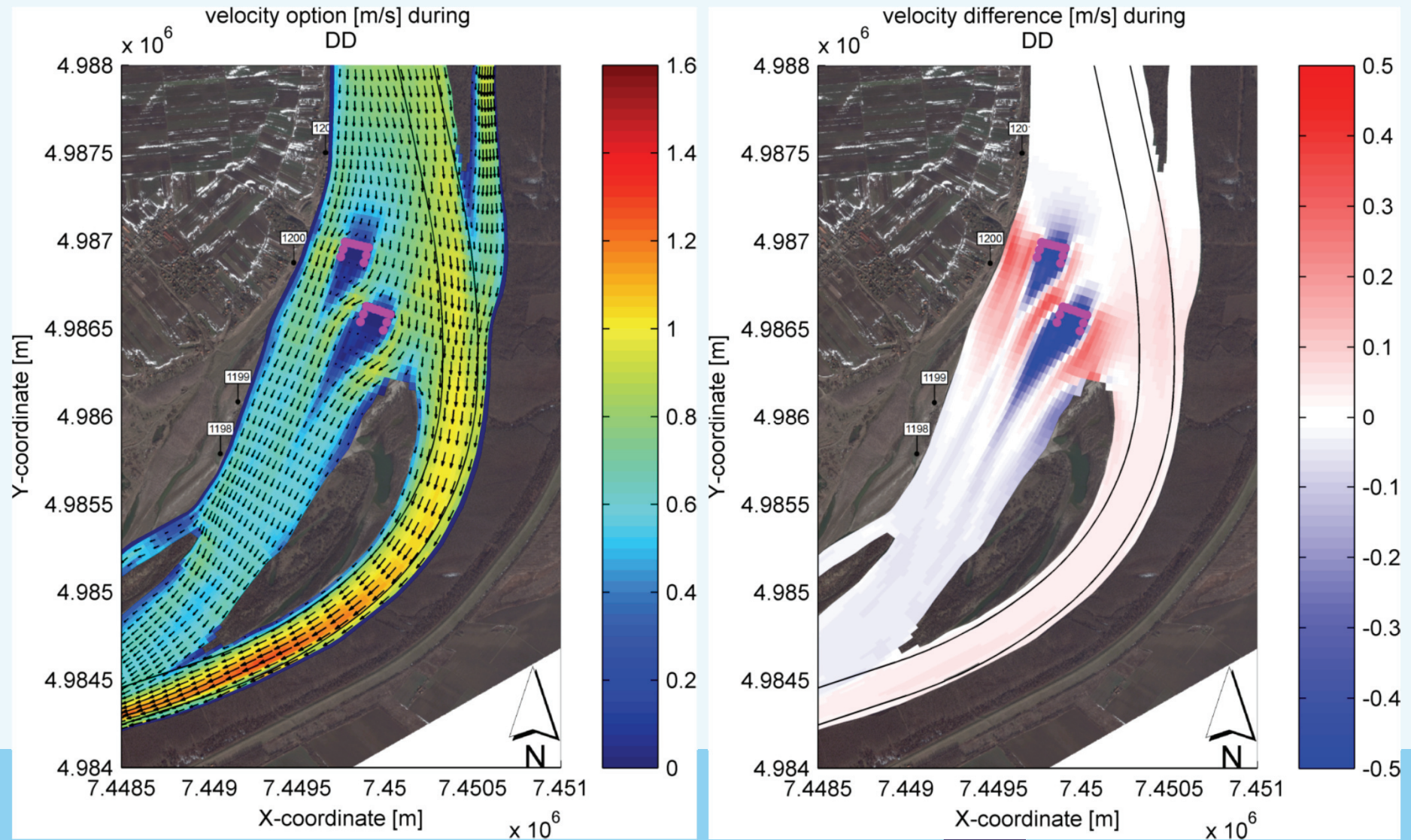
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Option 2: dredging



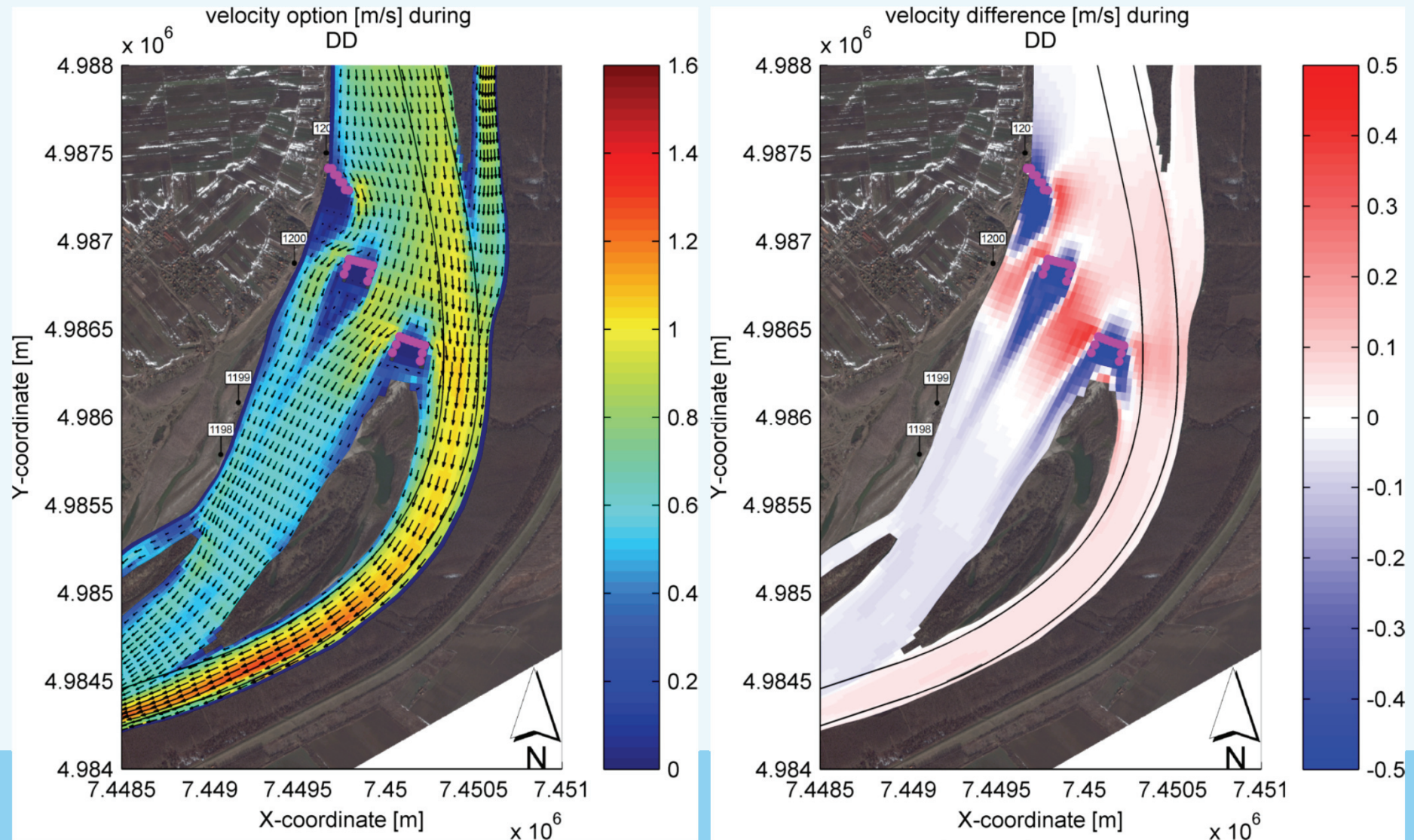
24. Preliv

Option 3: 2 chevrons in side channel



24. Preliv

Option 4: 2 chevrons + guide bund in side channel



24. Preliv – options 3 and 4

- Navigation:
 - increased flow in the fairway channel.
- Environment
 - preserved river dynamics.
- Cost
 - Chevrons should be about 125 m wide.
- Optimization of:
 - chevrons size;
 - exact location;
 - required available width for vessels to enter side channel for shelter.

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Options	Effectiveness	Environment	Cost
Option 2 – dredging	Limited effectiveness	Minimal negative (+ some positive) impact	Low
Option 3 – two chevrons	Effective	Minimal negative (+ some positive) impact	High
Option 4 – two chevrons + guide bund	Effective	Minimal negative (+ some positive) impact	High

Summary

- Existing situation
- Options
- Evaluation of alternative options

Thank you for your kind attention

