





Mixed Environment Transport External Expert Team (METEET)
Training on Integrated Planning of Inland Waterways Transport Projects

Budapest, November 12, 2019

Involvement of Public & Transparency of the Planning Process in IWWs Infrastructure Project in Serbia

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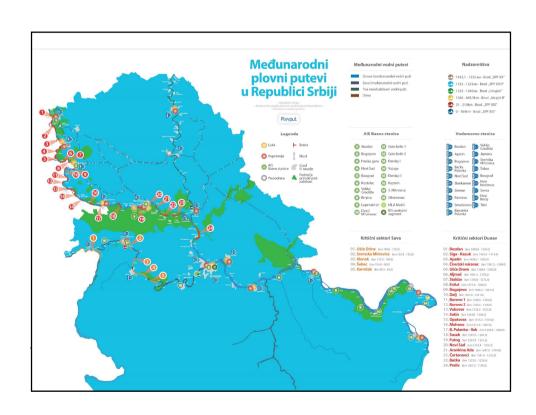


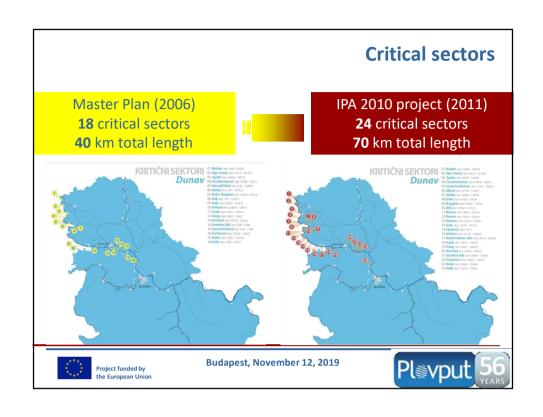
This project has received funding from the European Union's CEF under the Grant Agreement No. MOVE/B4/SUB/2015-426/CEF/PSA/SI2.719921

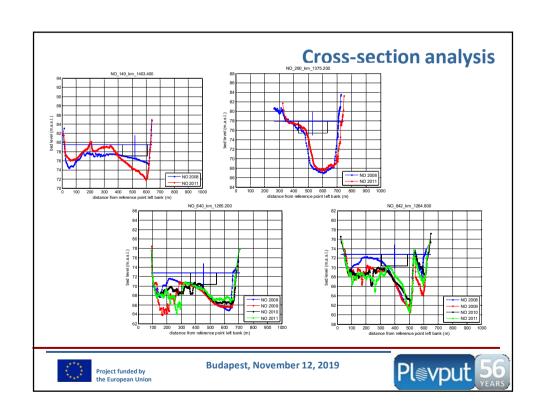


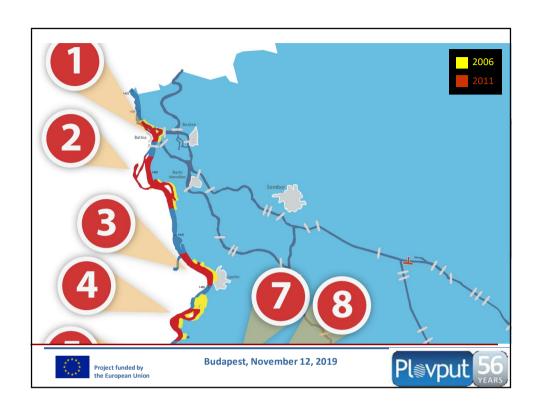
Basic project data Critical sectors Project area Stakeholders' forum Application of JS Current navigation conditions Stakeholders' forum during works Summary Budapest, November 12, 2019 Project funded by the European Union

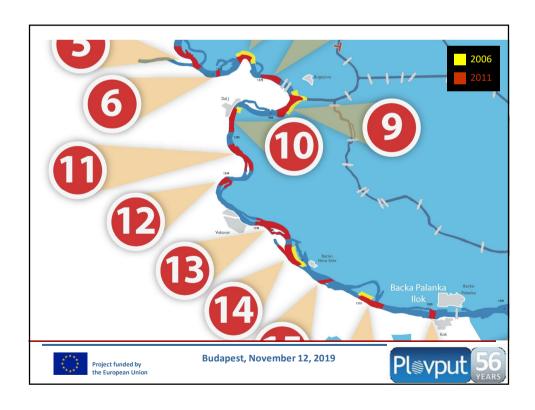




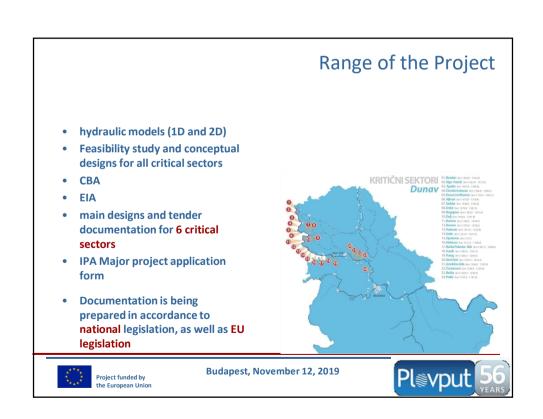


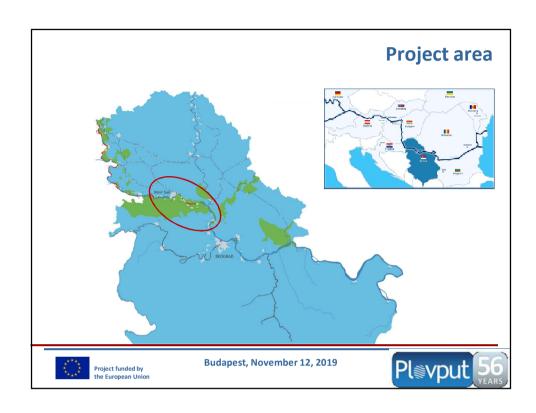


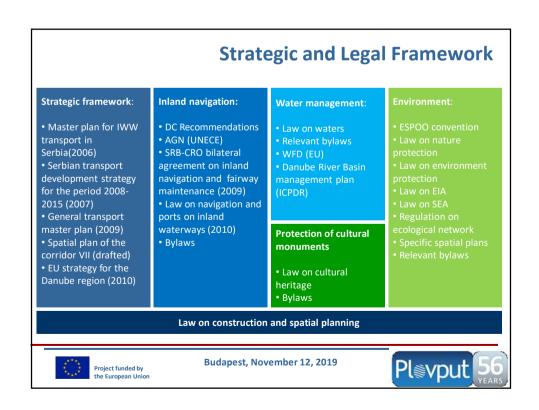








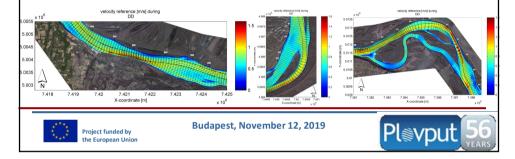




Basic Orientation

Ensuring **minimal width and depth** of the fairway during the low water periods, while **respecting environmental requirements**

- Preserving **connectivity** conditions
- Preferring detached structures
- Ensuring mitigation measures
- Preserving sediment equilibrium





Stakeholders' Forum

- Interdisciplinary approach
 - inland waterway transport
 - hydrotechnics
 - industry
 - nature and environment protection
 - archaeology
- Kick-off: 26th of June 2012
- Ensuring transparency
- Using multi-criteria analysis
- Methodology of the work ensuring comparability of options

Building trust









Stakeholder's Forum - Basic principles of work

- Membership is voluntary
- Membership is free of charge
- Recommendations of the Forum have advisory character
- Mutual respect and acknowledgment of standpoints of others



Acknowledging each others



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Basic principles of the work

- All documents are in both Serbian and English
- Work of the Forum is public and transparent
- Observers are welcomed



Respecting each others







Results

- **General rules** on organization and work of the Forum
- Annex I to the General rules list of members and deputy members
- Active participation of observers
- Methodology of the work ensuring comparability of options and choosing the best

Learning from each others





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Results

- Results of **evaluation** of the work of the Forum
- 6 critical sectors presented and discussed
- Detailed discussion and fruitful inputs



Common understanding







Results

- Identification and common agreement on the preferred options for further modeling for 6 critical sectors on Serbian stretch of the Danube
- 2.500 hits on Plovput web site
 section Forum
- All documents available in Serbian and English
- Short movie about the Forum



Planning together

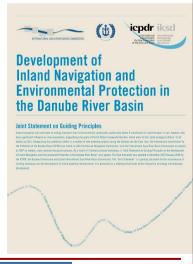


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Joint Statement on Guiding Principles

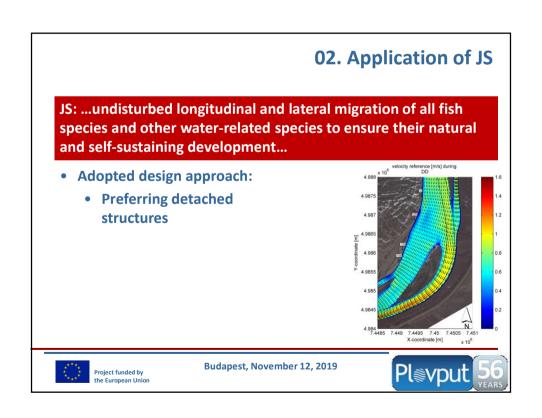
- Adopted by ICPDR and Danube Commission in December 2007
- Annual follow-up meetings (Zagreb - September 2017, Vienna - September 2018, Budapest – September 2019, next Zagreb – fall 2020)

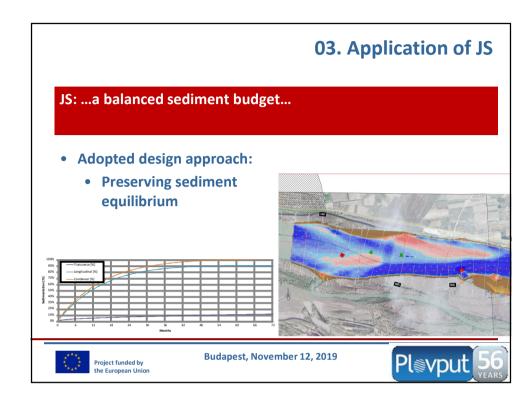






JS: ...supporting a dynamic equilibrium and adequate connectivity conditions... • Adopted design approach: • Preserving connectivity conditions Project funded by the European Union O1. Application of JS JS: ...supporting a dynamic equilibrium and adequate connectivity and adequate connectivity conditions • Adopted design approach: • Project funded by the European Union







JS: ...Set-up a transparent planning process (information/participation)...

- Stakeholders' Forum established
- Web site, no restrictions (2.000 hits monthly)
- Serbian and English language
- 9 Forum meetings
- 2 site visits
- 26 presentations on events
- 24 articles
- 1 movie







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06. Application of JS

JS: ...Ensure the comparability of alternatives...

- Multi-Criteria Analysis
 - Navigation
 - Environment
 - Technical feasibility
 - Costs







JS: ...Inform and consult the international river commissions in the Danube River Basin...

• Stakeholders' Forum





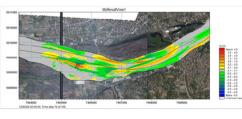
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08. Application of JS

JS: ...Seek to avoid or, if this is not possible, to minimize the impacts of structural/ hydraulic engineering interventions...

- For each of 6 sectors, at least 5 conceptual alternatives
- For conceptual alternatives, up to 35 simulations

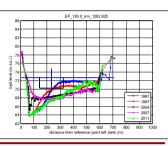






Use of best practice measures to improve navigation...

 Using all available practice, to identify the most suitable solution for each sector, by case-by-case approach



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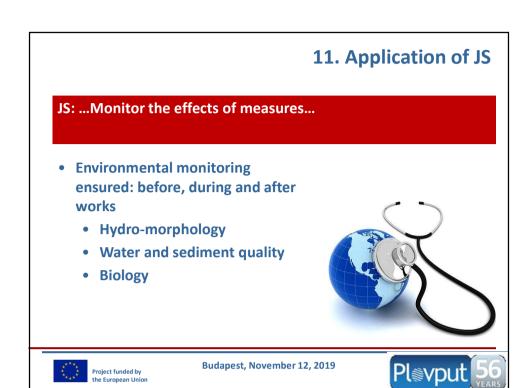
10. Application of JS

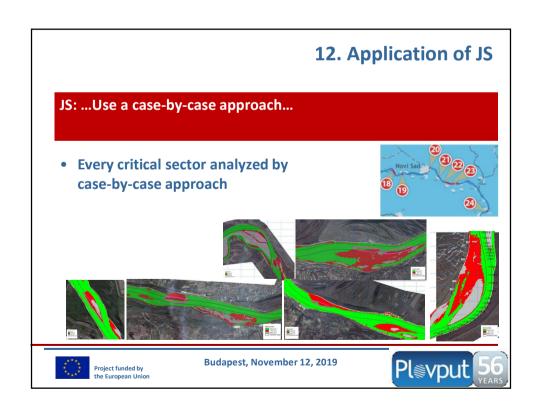
JS: ...Ensure flexible funding ... to enable integrated planning and adaptive implementation & monitoring...



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JS: ... "working with nature" ... following the principle of minimum or temporary engineering intervention...

- Mostly applied solution is dredging, with refilling the sediment back into the river
- Minimum structural interventions by application of different pilot solutions
- All structures detached





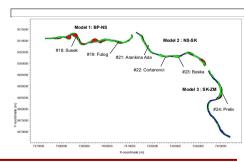
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14. Application of JS

JS: ...Integrated design of regulation structures, equally regarding hydraulic, morphological and ecological criteria...

- Multi-Criteria Analysis
 - Navigation
 - Environment
 - Technical feasibility
 - Costs



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JS: ...implementation of measures in an adaptive form (e.g. river bed stabilization by granulometric bed improvement, low water regulation by groynes)...

 All structures design to have impact only during low water periods





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16. Application of JS

JS: ...Optimal use of the potential for river restoration (e.g. river banks restoration) and side channel reconnection...

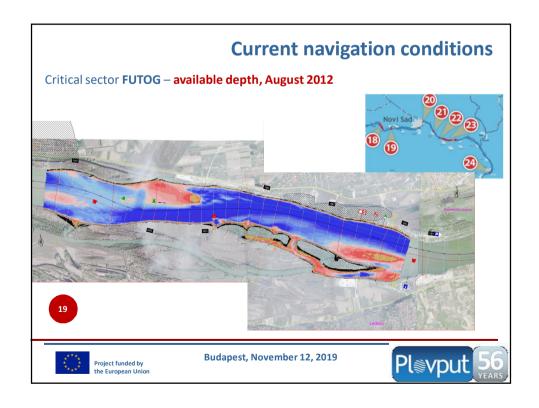
 Budget for (during monitoring programme) identified additional environmental compensation measures insured

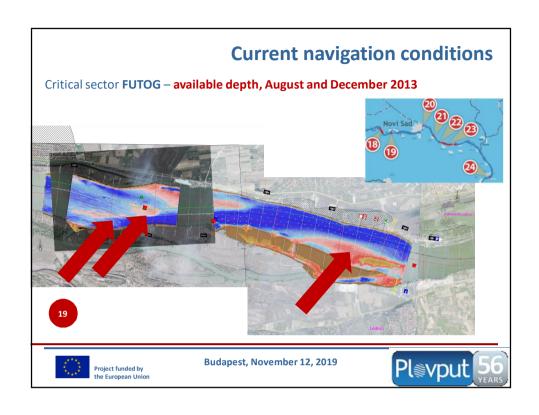


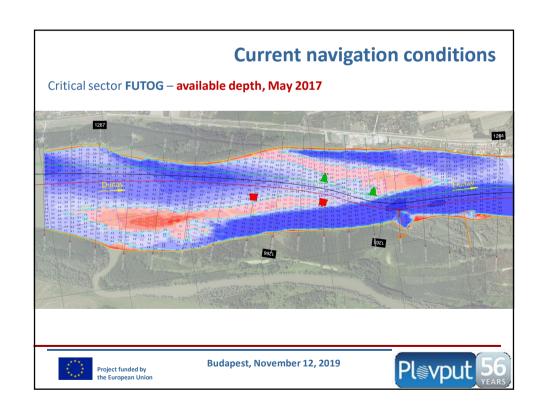


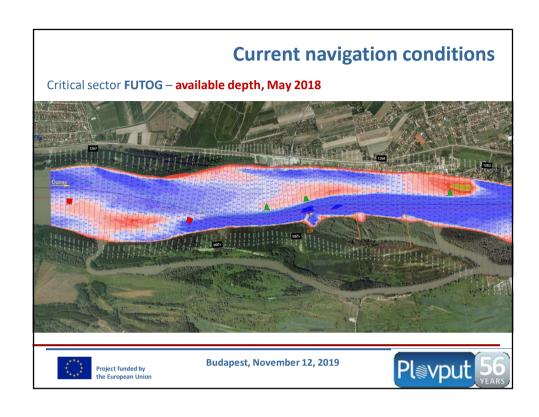


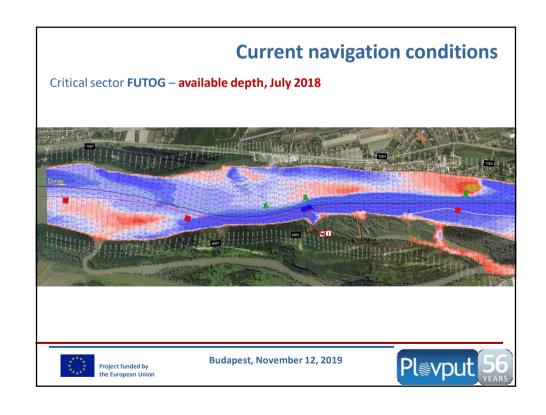
JS: ...Ensuring that flood water levels are not exacerbated and, ideally, are reduced... • No long-term impact on water levels | Solution | Project funded by the European Union | Project funded by the European U

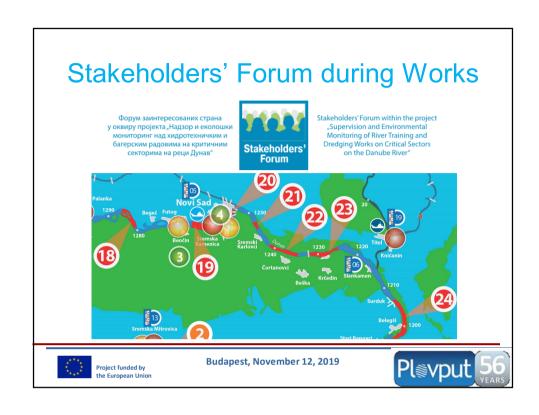


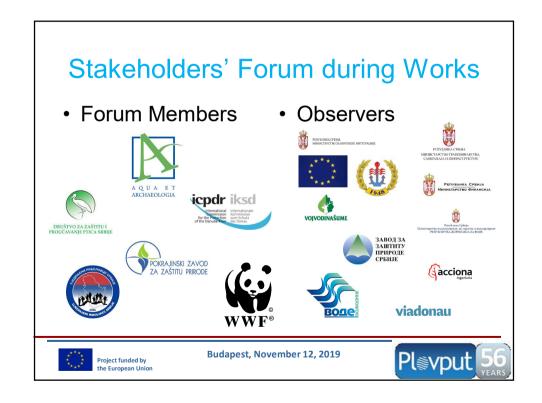


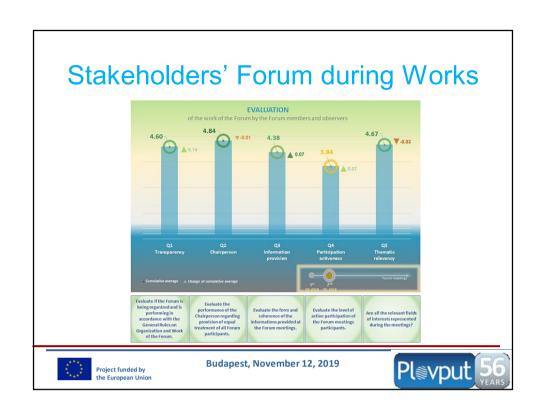






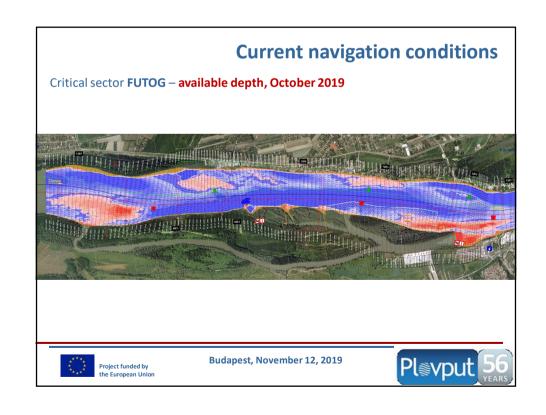


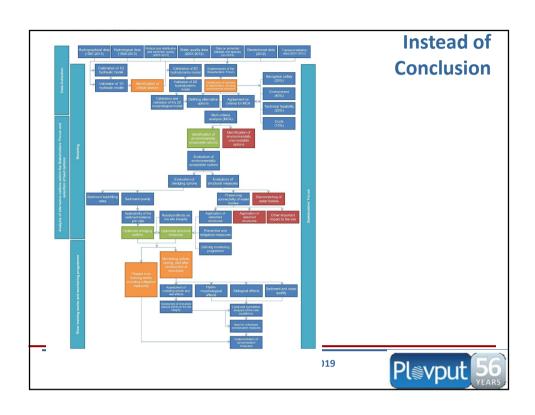


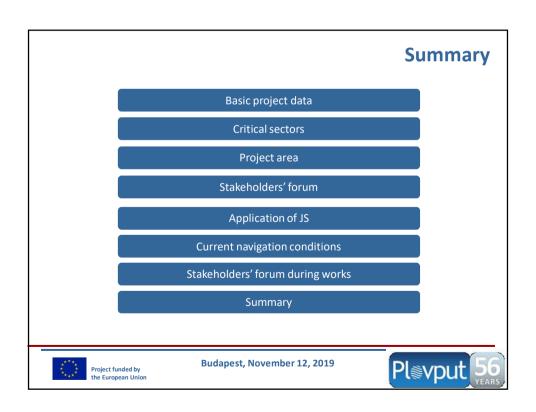


















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Thank you for your kind attention

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