

10th Workshop of the Follow-up of the **Joint Statement** Budapest, 11th of September 2019

Supervision and Environmental Monitoring of River Training and Dredging Works in Serbia **- Environmental Monitoring & Stakeholders Involvement -**

Jasna MUŠKATIROVIĆ, Ph.D.

Ministry of Construction, Transport and Infrastructure - Directorate for Inland Waterways



Joint Statement - 10th Workshop
Budapest, 11-12th of September 2019



Table of Content

- Basic project(s) info
- Relevancy of the project area
- Environmental monitoring component
- Basic principles of the Stakeholders' Forum
- Members and observers of the Stakeholders' Forum
- Evaluation of the work of the Stakeholders' Forum
- Instead of conclusion
- Summary

Basic project(s) info

- Project:
- Location:
- Timeframe:
- Programme:
- Budget:
- Funding:
- CA
- Beneficiary
- Contrator(s):

- **Planning**
- Danube, Serbia
- 2011-2014
- EU IPA 2010
- EUR 2.2 Mill
- EU 100%
- DEU
- MCTI
- Witteveen+Bos, DHI and Energoprojekt Hidroinženjering

- **Implementation**
- Danube, Serbia
- 2017-2020
- EU IPA 2013
- EUR 1.7+7.6 Mill
- EU 85% (RS 15%)
- Ministry of Finance
- MCTI
- Acciona Ingenieria
 - Groma Hold LTD, Regulacije d.o.o., Kolubara d.o.o.

Objective and scope: Improvement of navigation conditions on the Danube River during low water periods, by the means of structural and non-structural measures and strict environmental monitoring programme before, during, and after works

Relevancy of the project area

International Inland Waterways in the Republic of Serbia

«Direkcija za vodne putenje»

Plovput

Legenda

- Luka
- Kapetanija
- AIS Bazine stanice
- Prevodnice
- + Brana
- + Most
- + Grad ili naselje
- + Područje prirode pod zaštitom



AIS Bazine stanice

- | | |
|--------------------|--------------------------|
| 1 Beždan | 11 Golo brdo 1 |
| 2 Bogojevo | 12 Golo brdo 2 |
| 3 Fruška gora | 13 Dardap I |
| 4 Novi Sad | 14 Vajuga |
| 5 Beograd | 15 Dardap II |
| 6 Kostolac | 16 Kuzmin |
| 7 Veliko Gradište | 17 S. Mitrovića |
| 8 Brnjica | 18 Obrenovac |
| 9 Lepenski vir | 19 IALA Makš |
| 10 Donji Milanovac | 20 RIS centralni segment |

Vodomerne stanice

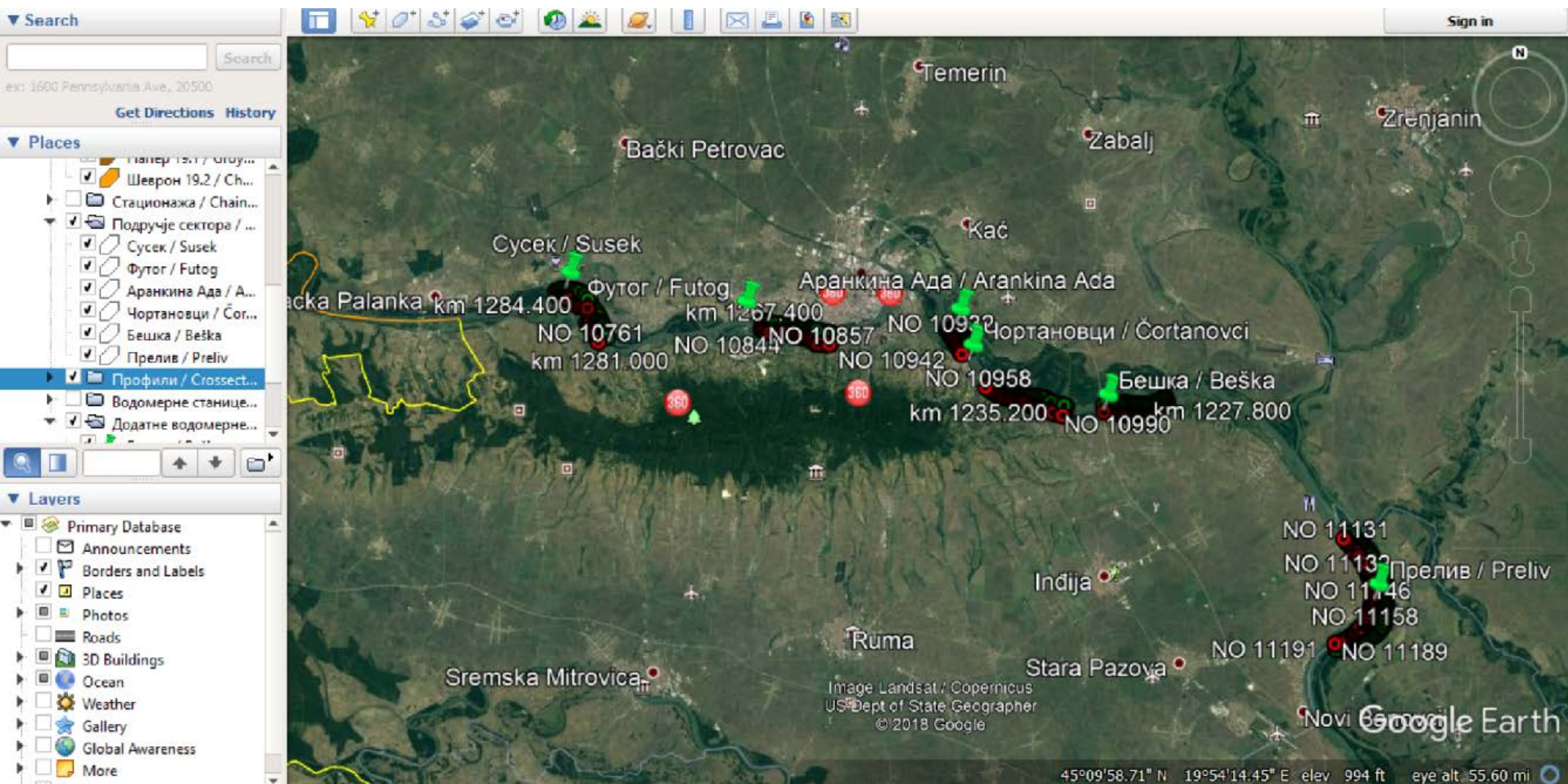
- | | |
|---------------------|----------------------|
| 1 Beždan | 11 Veliko Gradište |
| 2 Apatin | 12 Jamena |
| 3 Bogojevo | 13 Sremska Mitrovića |
| 4 Bačka Palanka | 14 Šabac |
| 5 Novi Sad | 15 Beograd |
| 6 Slankamen | 16 Novi Kneževac |
| 7 Zemun | 17 Senta |
| 8 Pančevo | 18 Novi Bečej |
| 9 Smederevo | 19 Titel |
| 10 Banatska Palanka | |

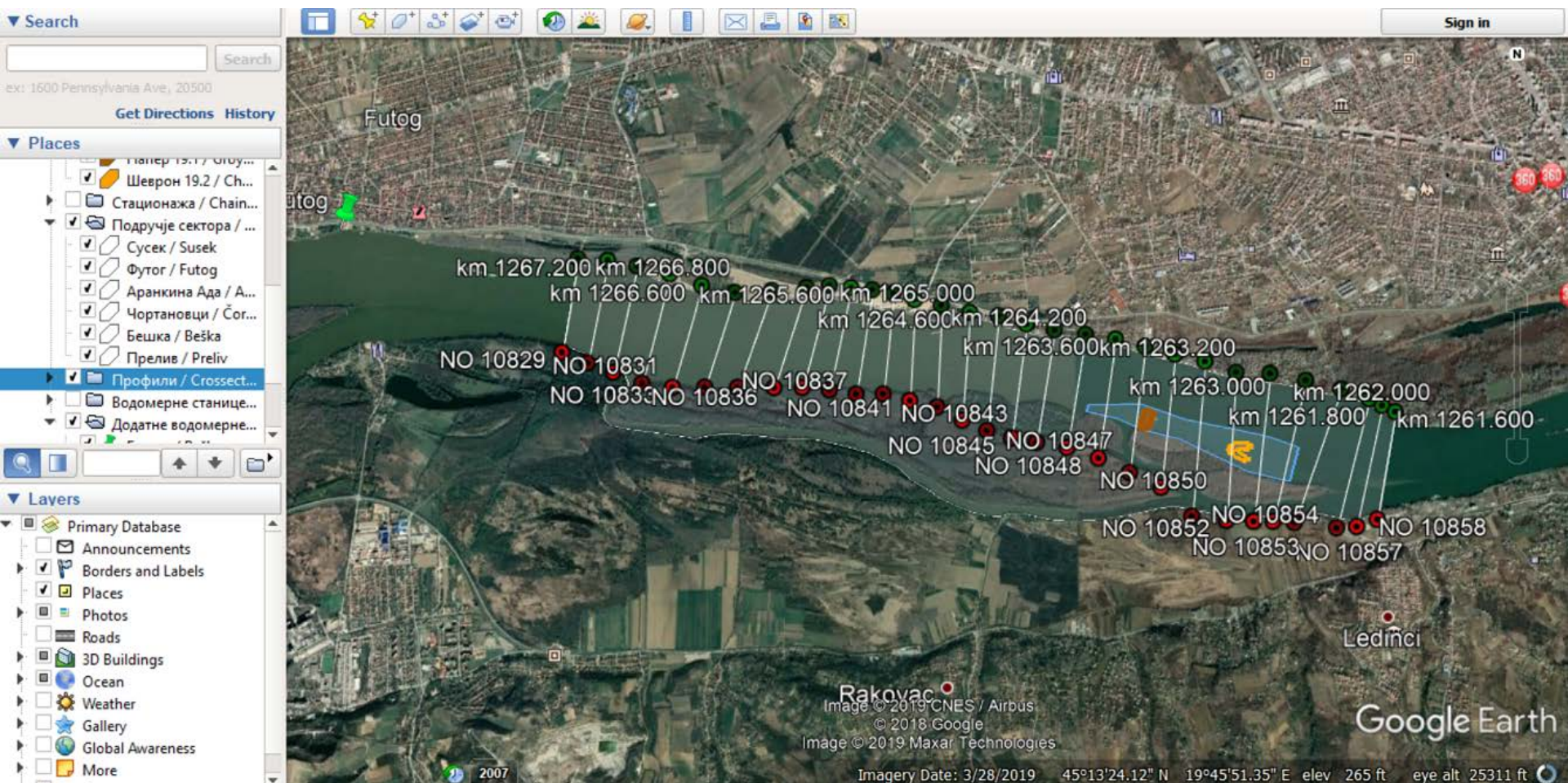
Kritični sektori Sava

01. **Ušće Drine** (km 199.0 - 170.0)
 02. **Sremska Mitrovića** (km 132.4 - 126.8)
 03. **Klenak** (km 112.0 - 106.0)
 04. **Šabac** (km 104.0 - 90.0)
 05. **Kamičak** (km 88.2 - 82.0)

Kritični sektori Dunav

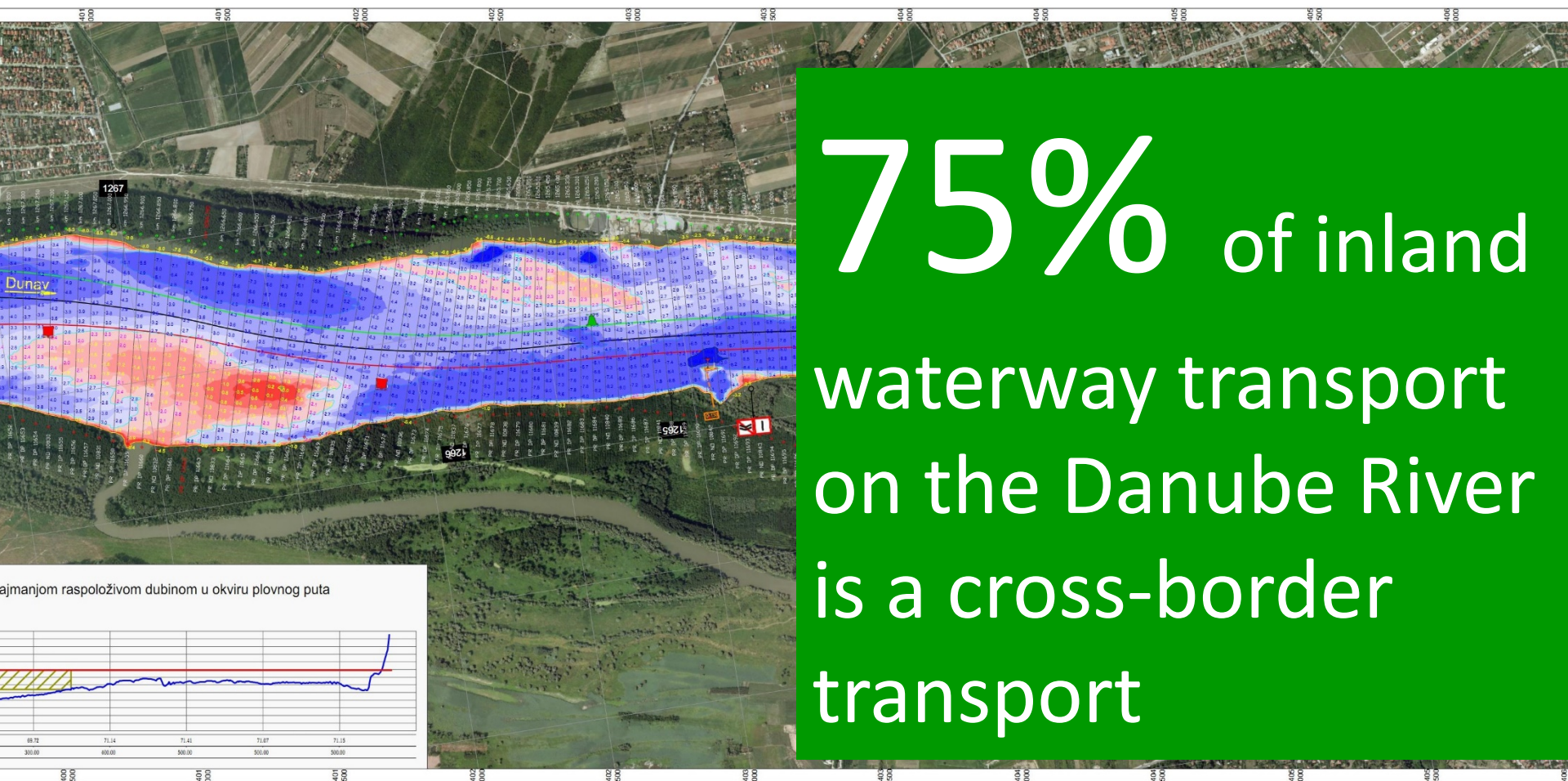
01. **Beždan** (km 1429.0 - 1425.0)
 02. **Siga - Kazuk** (km 1424.2 - 1414.4)
 03. **Apatin** (km 1408.2 - 1400.0)
 04. **Čivutski rukavac** (km 1397.2 - 1389.0)
 05. **Ušće Drave** (km 1388.8 - 1382.0)
 06. **Aljmaš** (km 1381.4 - 1378.2)
 07. **Staklar** (km 1376.8 - 1373.4)
 08. **Erdut** (km 1371.4 - 1366.4)
 09. **Bogojevo** (km 1366.2 - 1361.4)
 10. **Dalj** (km 1357.0 - 1351.0)
 11. **Borovo 1** (km 1348.6 - 1343.6)
 12. **Borovo 2** (km 1340.6 - 1338.0)
 13. **Vukovar** (km 1332.0 - 1325.0)
 14. **Sotin** (km 1324.0 - 1320.0)
 15. **Opatovac** (km 1315.4 - 1314.6)
 16. **Mohovo** (km 1311.4 - 1307.6)
 17. **B. Palanka - Ilok** (km 1302.0 - 1300.0)
 18. **Susek** (km 1287.0 - 1281.0)
 19. **Futog** (km 1267.4 - 1261.6)
 20. **Novi Sad** (km 1255.4 - 1254.2)
 21. **Arankina Ada** (km 1247.0 - 1244.8)
 22. **Čortanovci** (km 1241.6 - 1235.0)
 23. **Beška** (km 1232.0 - 1226.6)
 24. **Preliv** (km 1207.0 - 1195.0)







Relevancy of the project area



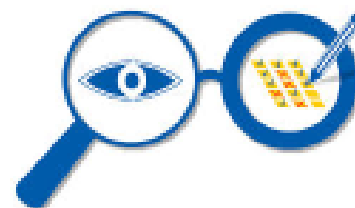
75% of inland
waterway transport
on the Danube River
is a cross-border
transport

Environmental Monitoring Component

11. Application of JS

JS: ...Monitor the effects of measures...

- Environmental monitoring ensured: before, during and after works
 - Hydro-morphology
 - Water and sediment quality
 - Biology



Project funded by
the European Union

Joint Statement 6th workshop
Vienna, 10th of September 2015



Joint Statement - 10th Workshop
Budapest, 11-12th of September 2019



Environmental Monitoring Component

10. Application of JS

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

- **Not easy at all, but possible**
 - **Contingency budget for compensation measures ensured**



Project funded by
the European Union

Joint Statement 6th workshop
Vienna, 10th of September 2015



Joint Statement - 10th Workshop
Budapest, 11-12th of September 2019



Environmental Monitoring Component

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** ensured
- **No limits in terms of creativity for environmental measures**



Project funded by
the European Union

Joint Statement 6th workshop
Vienna, 10th of September 2015



Joint Statement - 10th Workshop
Budapest, 11-12th of September 2019

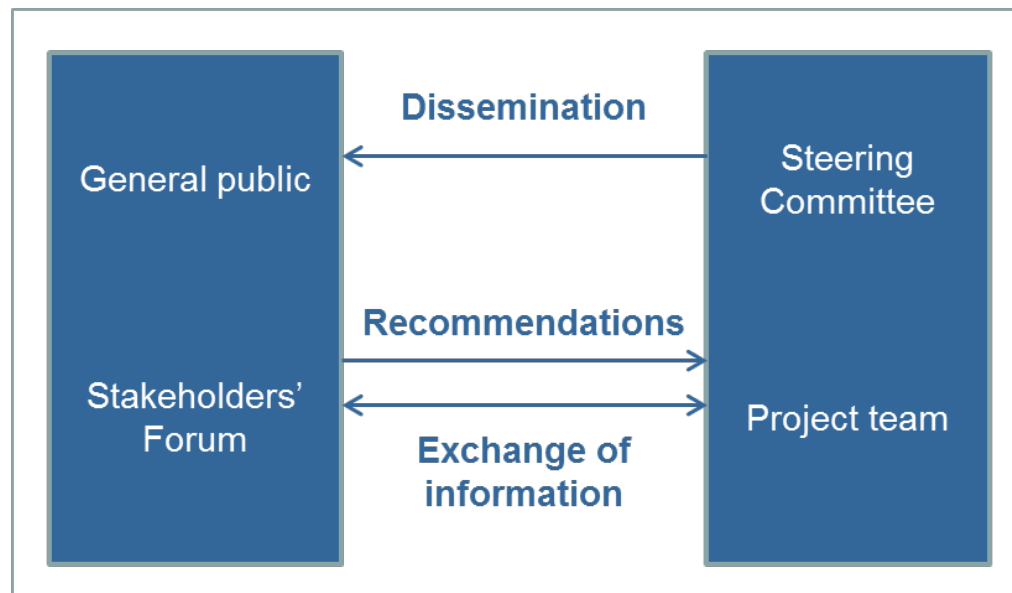




Joint Statement - 10th Workshop
Budapest, 11-12th of September 2019

Basic principles of the Stakeholders' Forum

- Full **transparency**
- **Voluntarily** membership
- **Free of charge** membership and observation
- **Multidisciplinary** approach
- **Bilingual** approach
 - ENG
 - SRB
- **Commitment & continuity**



Members and observers of the Stakeholders' Forum

Forum Members



DRUŠTVO ZA ZAŠTITU I
PROUČAVANJE PTICA SRBIJE



Observers



РЕПУБЛИКА СРБИЈА
МИНИСТАРСТВО ЗА ЕВРОПСКЕ ИНТЕГРАЦИЈЕ



РЕПУБЛИКА СРБИЈА
МИНИСТАРСТВО ГРАЂЕВИНАРСТВА,
САОБРАЋАЈА И ИНФРАСТРУКТУРЕ



РЕПУБЛИКА СРБИЈА
МИНИСТАРСТВО ФИНАНСИЈА



Република Србија
Министарство пољопривреде, шумарства и водопривреде
РЕПУБЛИЧКА ДИРЕКЦИЈА ЗА ВОДЕ



ЗАВОД ЗА
ЗАШТИТУ
ПРИРОДЕ
СРБИЈЕ

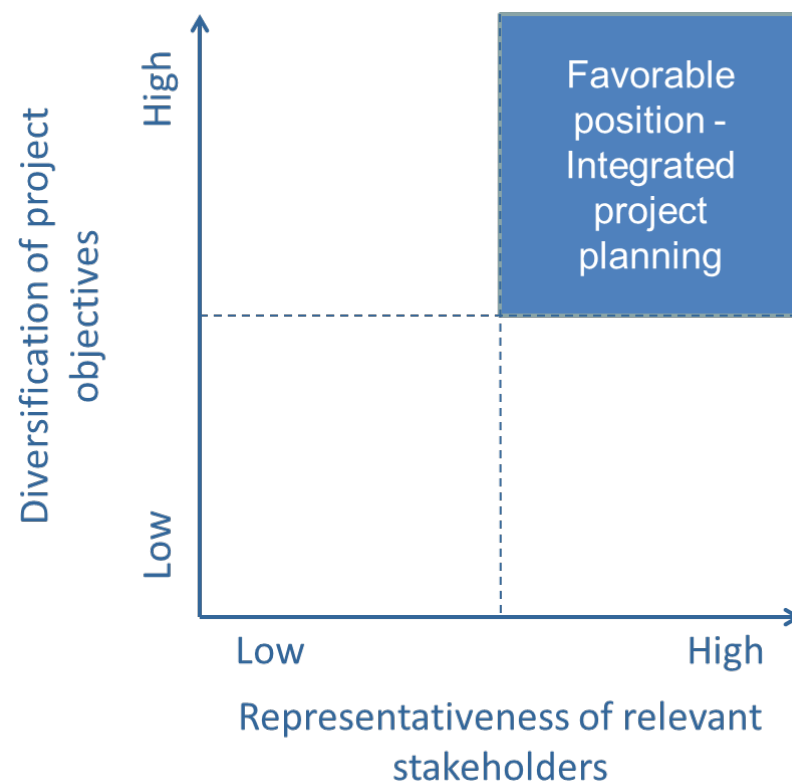
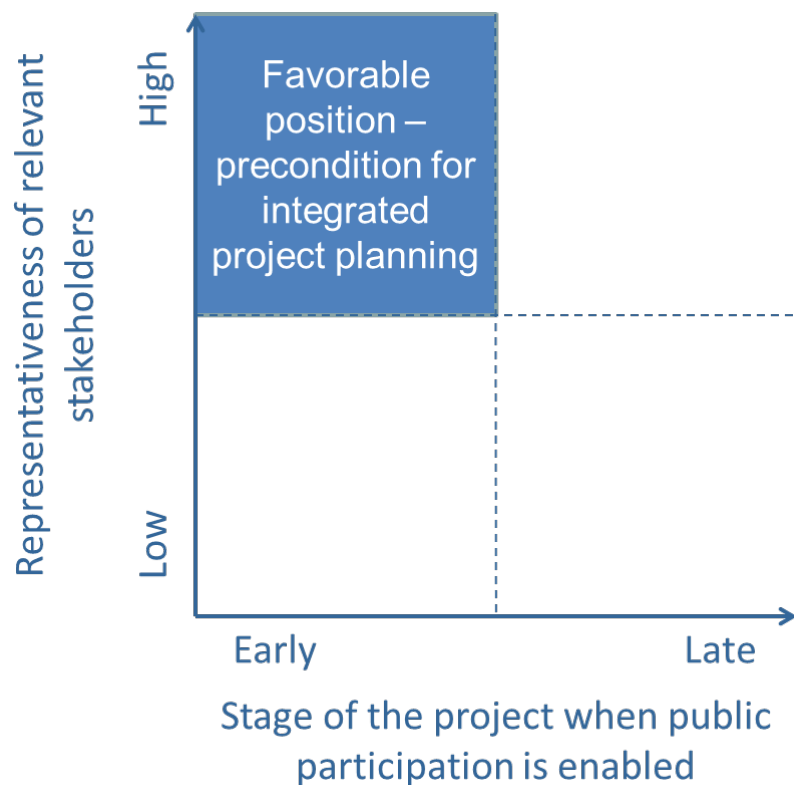


viadonau



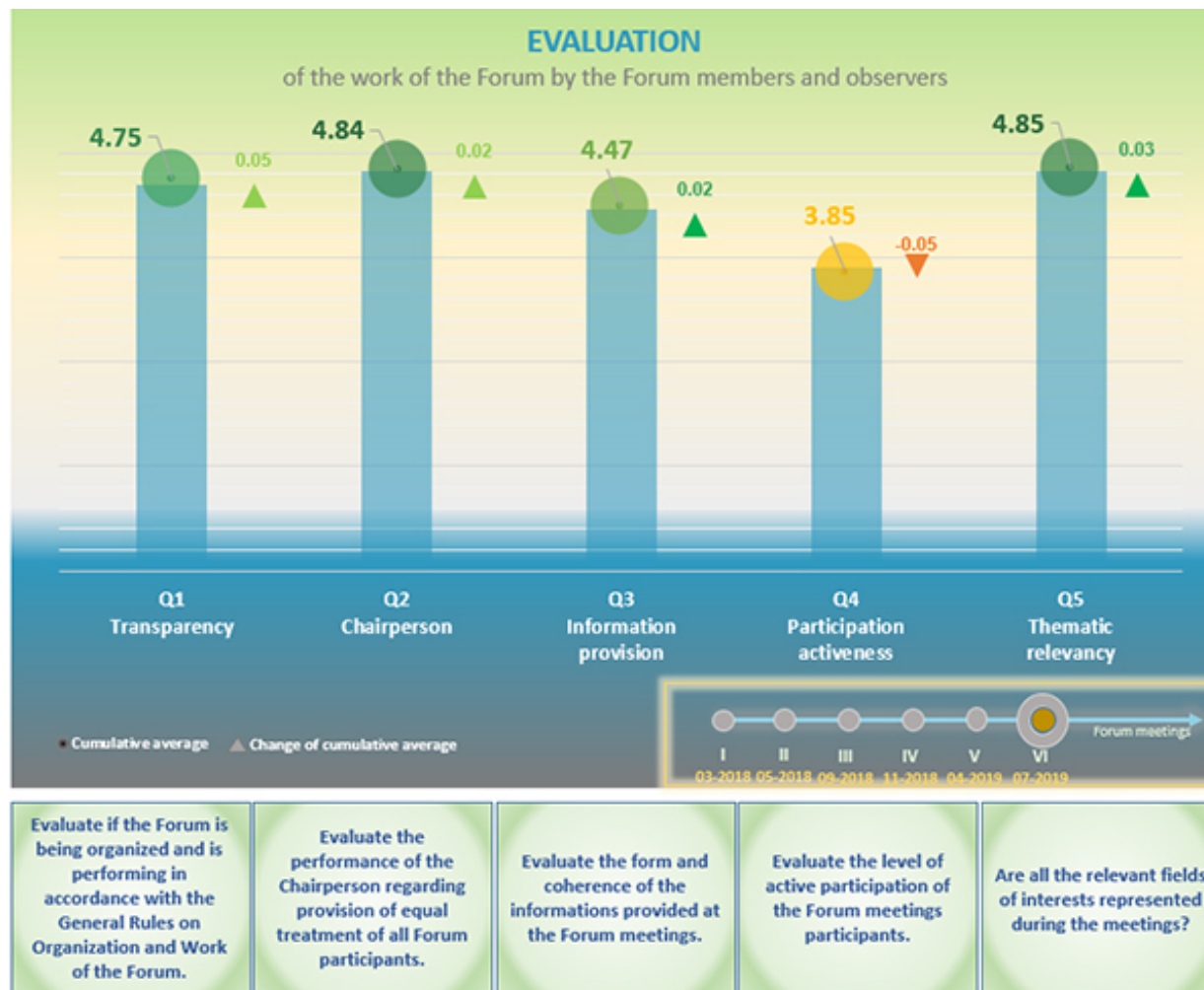
Joint Statement - 10th Workshop
Budapest, 11-12th of September 2019

Evaluation of the work of the Stakeholders' Forum

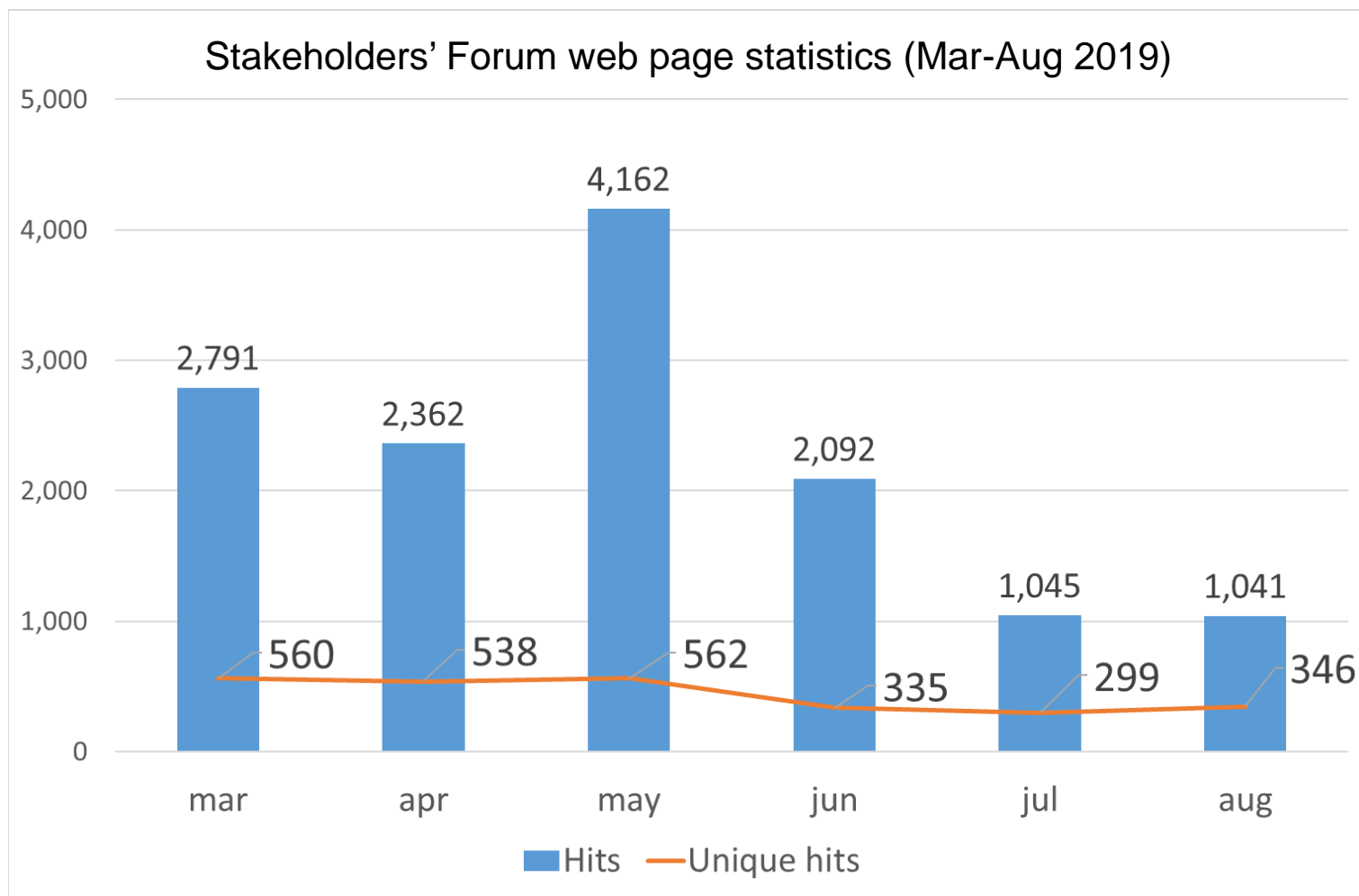


Source: Ivan, MUSKATIROVIC Jasna, CURCIC Milica, OSTOJIC BARJAKTAREVIC Zaneta, ZANETTI Roberto:
Integrated project planning in inland waterway project, Smart Rivers 2013

Evaluation of the work of the Stakeholders' Forum



Evaluation of the work of the Stakeholders' Forum



www.plovput.rs/forum-zainteresovanih-strana



Instead of conclusion

- Acknowledging each others
- **Respecting each others**
- Building trust
- Asking each others
- Listening each others
- Understanding each others
- Learning from each others
- **Common understanding**
- Planning together
- Working together

Instead of conclusion



Project funded by
the European Union

Zagreb,
04-05th of February 2014



Joint Statement - 10th Workshop
Budapest, 11-12th of September 2019



Summary

- Basic project(s) info
- Relevancy of the project area
- Environmental monitoring component
- Basic principles of the Stakeholders' Forum
- Members and observers of the Stakeholders' Forum
- Evaluation of the work of the Stakeholders' Forum
- Instead of conclusion

10th Workshop of the Follow-up of the Joint Statement

Budapest, 11th of September 2019

Thank you
for your kind attention

Jasna MUŠKATIROVIĆ, Ph.D.

Ministry of Construction, Transport and Infrastructure - Directorate for Inland Waterways

jmuskatirovic@plovput.rs

www.plovput.rs