

JOINTISZA

Interreg – Danube Transnational Programme project

Balázs Horváth

General Directorate of Water Management of Hungary

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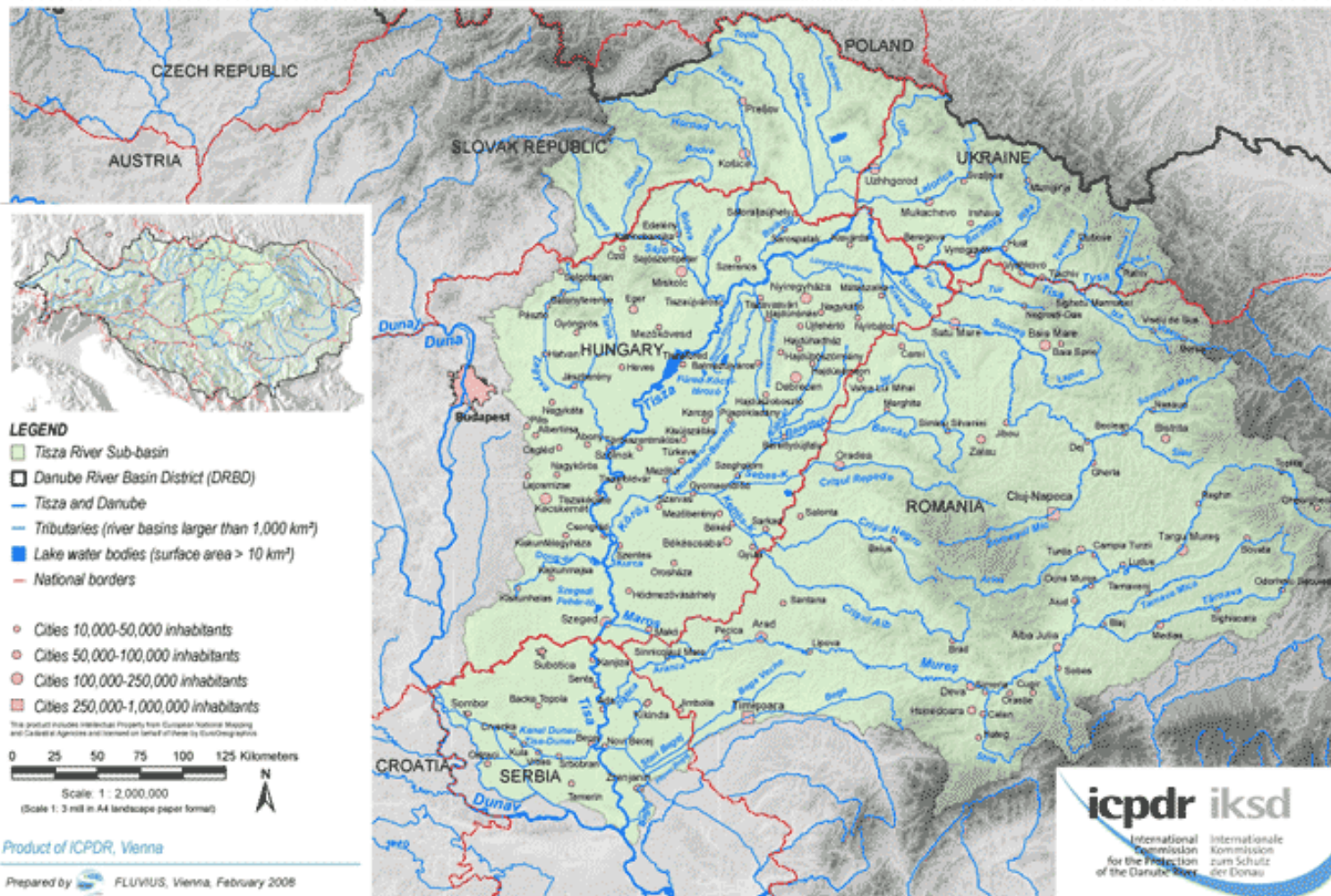
Project co-funded by the European Union (ERDF, IPA funds)

The Tisza River Basin

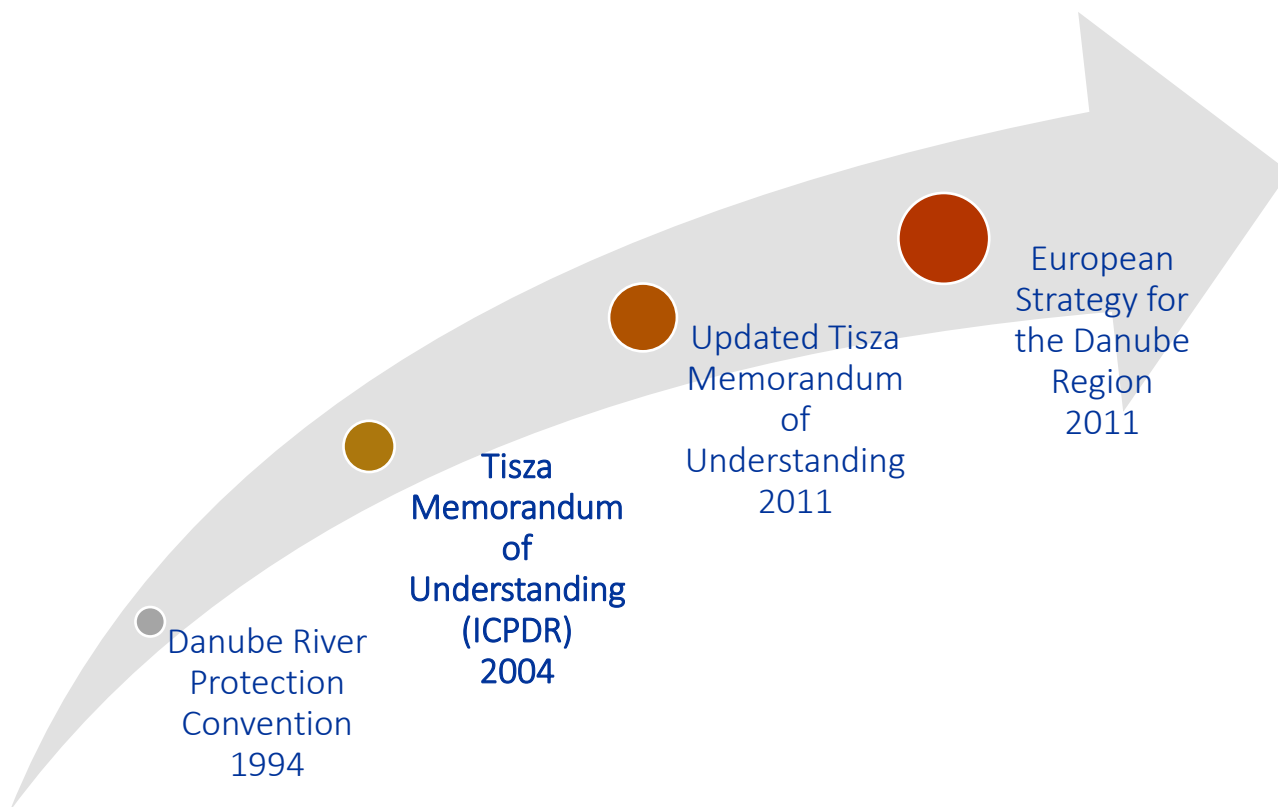
The Tisza is
 the longest
 tributary of
 the Danube
 (966 km)
 and drains
 an area of
 157 186 km²
 in five
 countries
 (SK, UA, HU,
 RO, RS).

Tisza River Sub-basin: Overview

MAP 1



15 years of cooperation in the Tisza basin



Danube River
Protection
Convention
1994

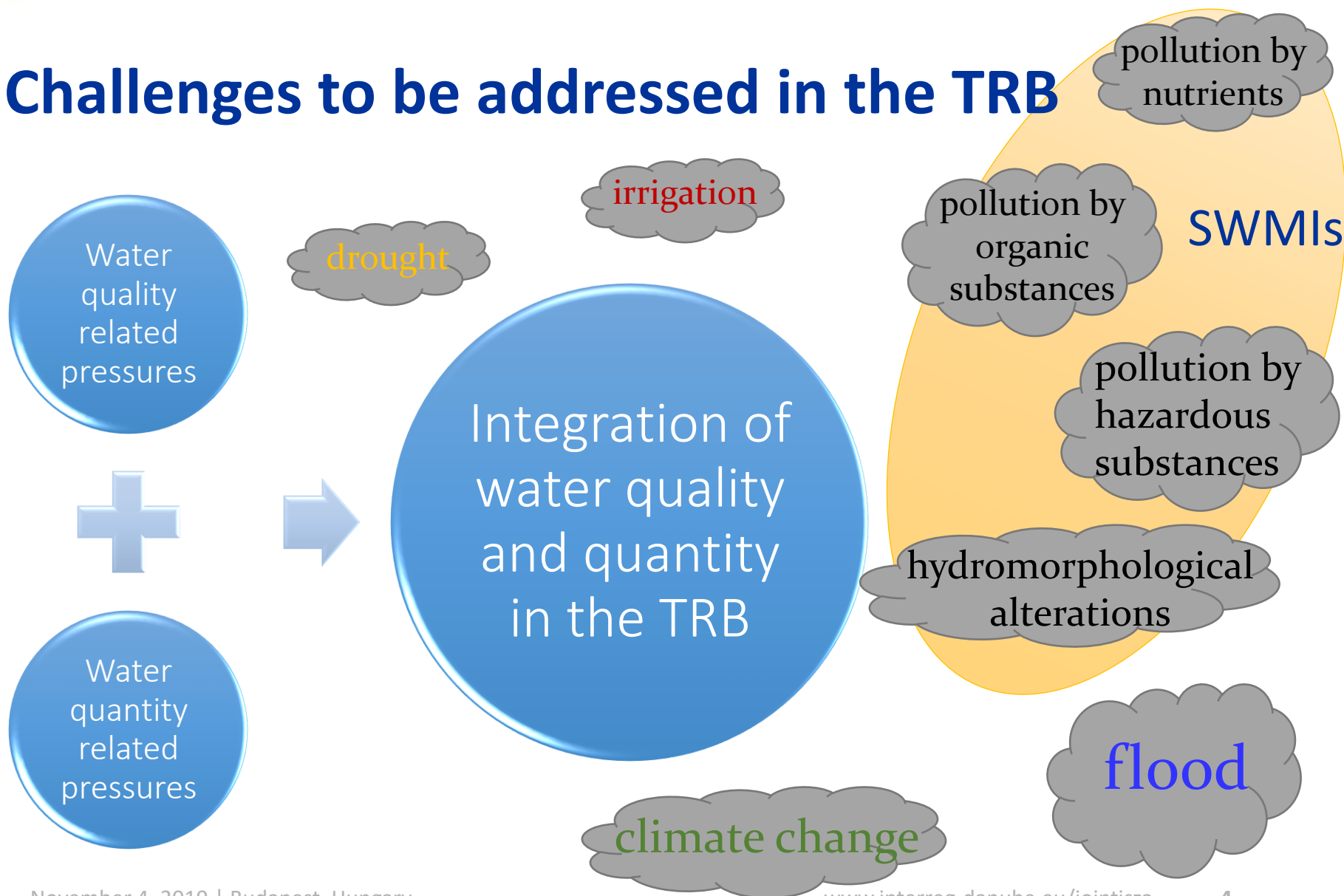
Tisza
Memorandum
of
Understanding
(ICPDR)
2004

Updated Tisza
Memorandum
of
Understanding
2011

European
Strategy for
the Danube
Region
2011

**‘Towards a
River Basin Management
Plan
for the Tisza river
supporting sustainable
development of the
region’**

Challenges to be addressed in the TRB



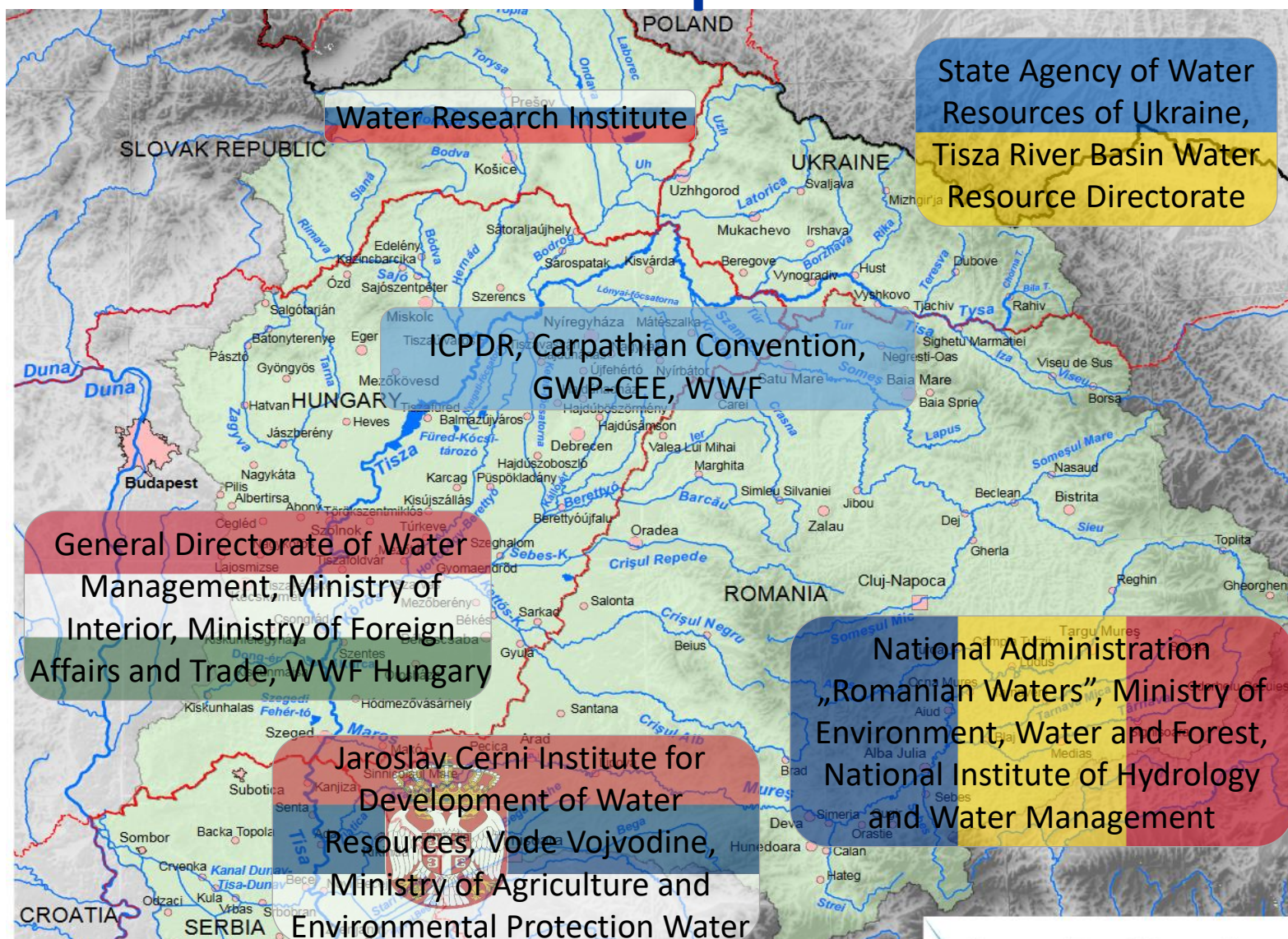
JOINTISZA: important step towards the solution

- Elaboration of the **Integrated Tisza River Basin Management Plan (ITRBMP)** with the integration of **flood risk management**
- **Data** collection and presentation
- Identification of **win-win measures**
- Paying attention to the effects of **drought, climate change** and the needs of **urban water management**
- The **cooperation** of the Tisza countries and international organizations
- Consideration of the feedback of **stakeholders**
- Compliance with EU regulations
- Thorough and **comprehensive approach**

Project data

- Title of the project: **Strengthening cooperation between river basin management planning and flood risk prevention to enhance the status of waters of the Tisza River Basin**
- Funding Programme: **Danube Transnational Programme**
- Project budget: **2 182 146.52 €**
- Project duration: **33 months – 01.01.2017-30.09.2019.**

JOINTISZA partners



Wide-scale cooperation including all relevant stakeholders from Tisza countries

- 17 partners: 10 ERDF, 2 IPA, 5 ASP
- Cooperation including EU and non-EU countries
- Involvement of International Bodies, such as ICPDR, Carpathian Convention, GWP CEE, WWF



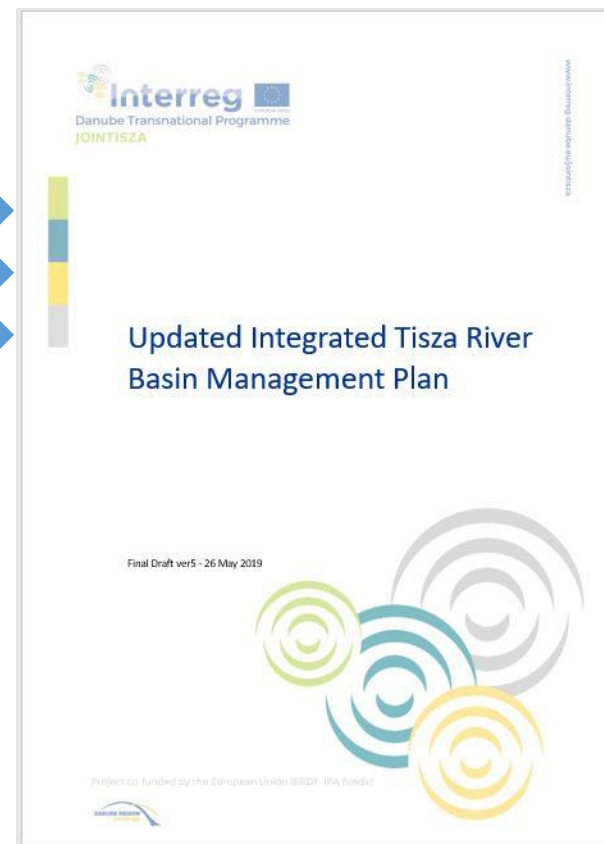
17 partners



5 countries



1 river



The main results

➤ Final draft of the update of the ITRBMP

1. Introduction (The Tisza River Basin, Main e JOINTISZA project, Comparison with DRMP Update, water management issues)
2. Significant pressures (on rivers, lakes)
3. Protected areas
4. Monitoring networks and statu
5. Environmental objectives and
6. Joint Programme of Measures
7. Integration of water quality an issues
8. Public involvement and consul

Field of action <u>Tevékenységi terület</u>	Measure Category <u>Intézkedés kategóriája</u>	Type of measure <u>Intézkedés típusa</u>	Measures <u>Intézkedések</u>
Prevention Megelőzés		The definition of a legislative, organizational and technical framework for Floods Directive implementation	Preparation of flood hazard and flood risk m
		Az árvizekről szóló irányelv végrehajtására vonatkozó jogalkotási, szervezeti és technikai keret meghatározása	Az árvízi veszély- és árvízvesztései térképek
	Organizational measures (legislative, institutional...) Szervezeti intézkedések (jogalkotási, intézményi, ...)	Reviewing and updating plans for flood risk management	Update/preparation of documentation for fl excess inland water and ice defence A árvízi, belvízi és a jégvédelmi dokumentáci aktualizálása / elkészítése Update/preparation of documentation for th management of the regime of reservoir oper (including the flood water evacuation regime
			Dokumentáció aktualizálása / elkészítése a v rendszer működésének üzemrendjére vonat (beleértve az árvízi vésztároló rendszert) Update/preparation of technical documenta legalization of structures for flood protection and torrents control and for drainage Az árvíz- (villámárvíz is) és erózióvédelmi és vízelvezetési műtárgyak műszaki szabályozás legalizálására szolgáló műszaki dokumentáci aktualizálása / elkészítése Update/preparation of the cadaster of hydra structures

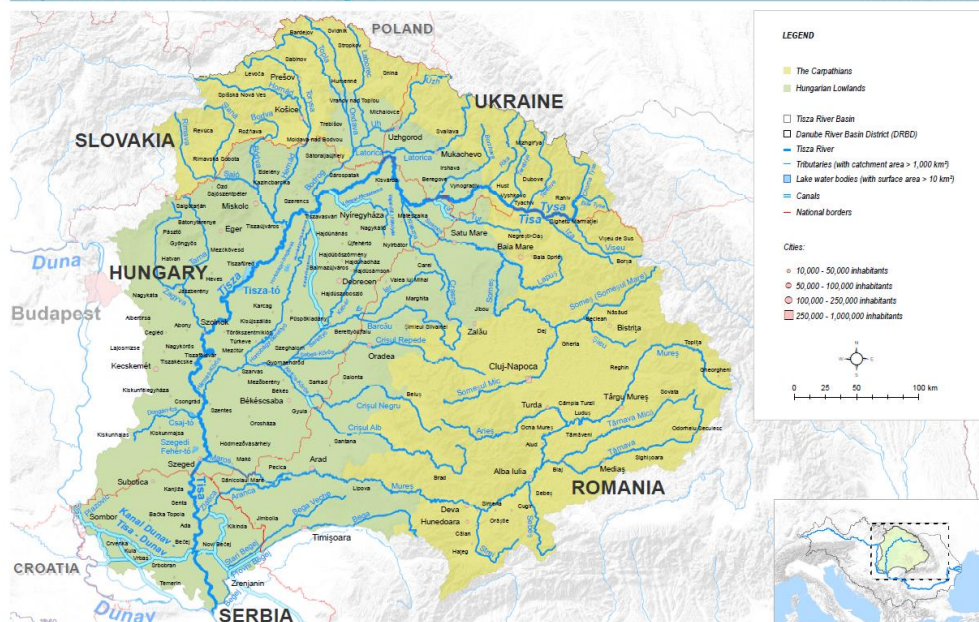
The main results

➤ Improved GIS database for the Tisza river and its tributaries

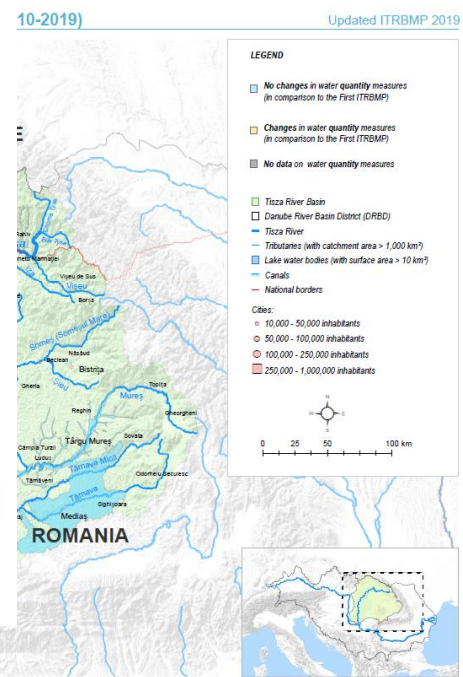
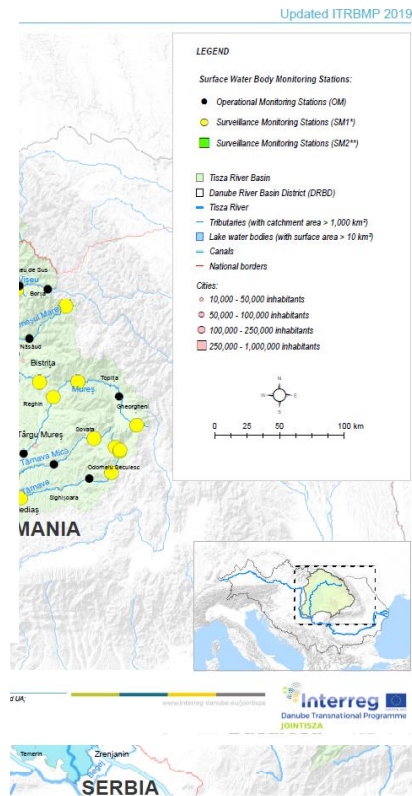
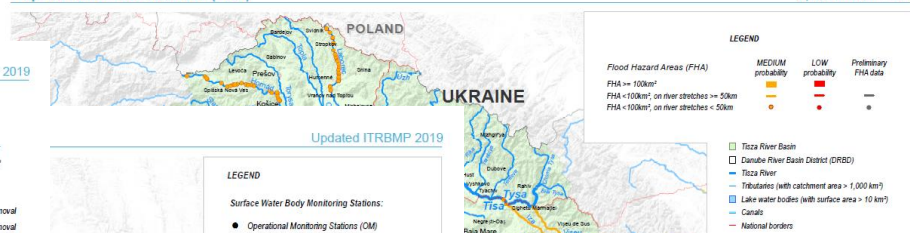
Map 19. Urban Wastewater Treatment - Reference Situation 2011/2012



Map 2. Tisza River Basin: Ecoregions

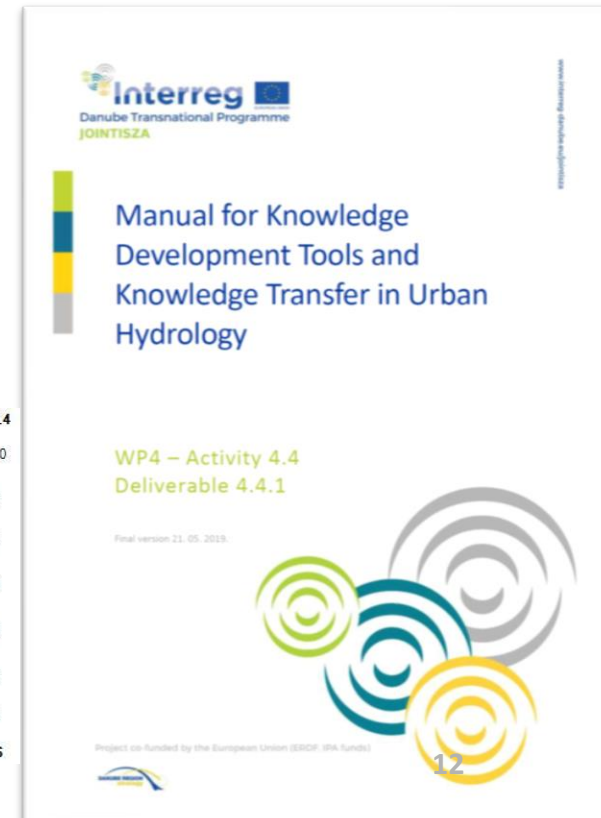
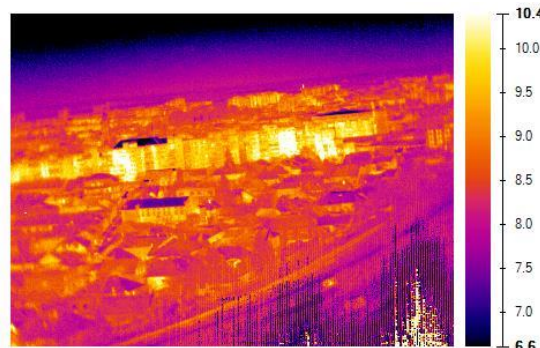
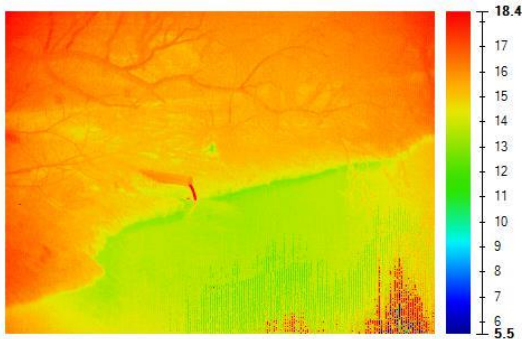


Map 13. Flood Hazard Areas (FHA)



The main results

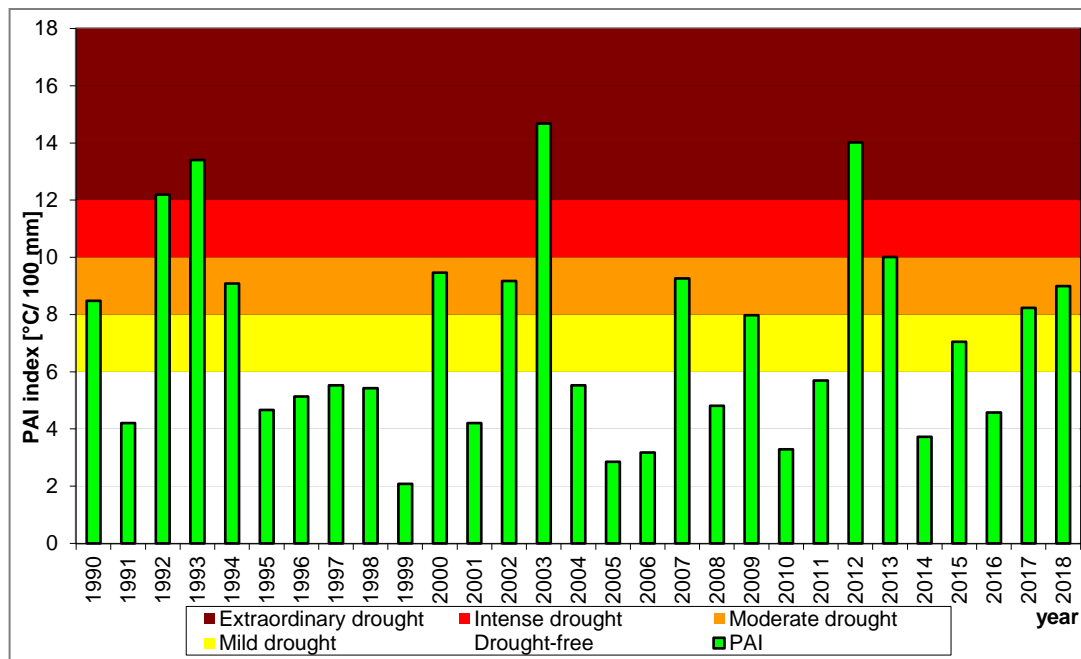
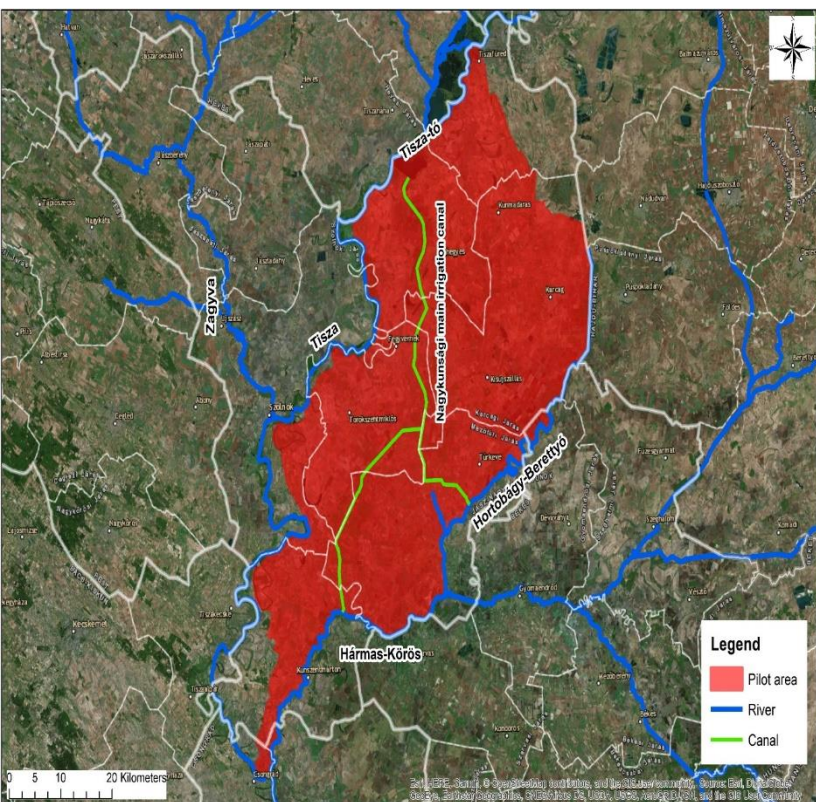
- Urban Hydrology Pilot Action and training of best management on urban hydrology



The main results

➤ Drought and climate change pilot action

Pilot area



- Size: 2 885 km²
- One of the driest regions of Hungary
- Annual average precipitation: 520 mm

The main results

➤ Flood risk issues

Data collection related to flood issues and climate change

Development of elements of TFRMP – country reports

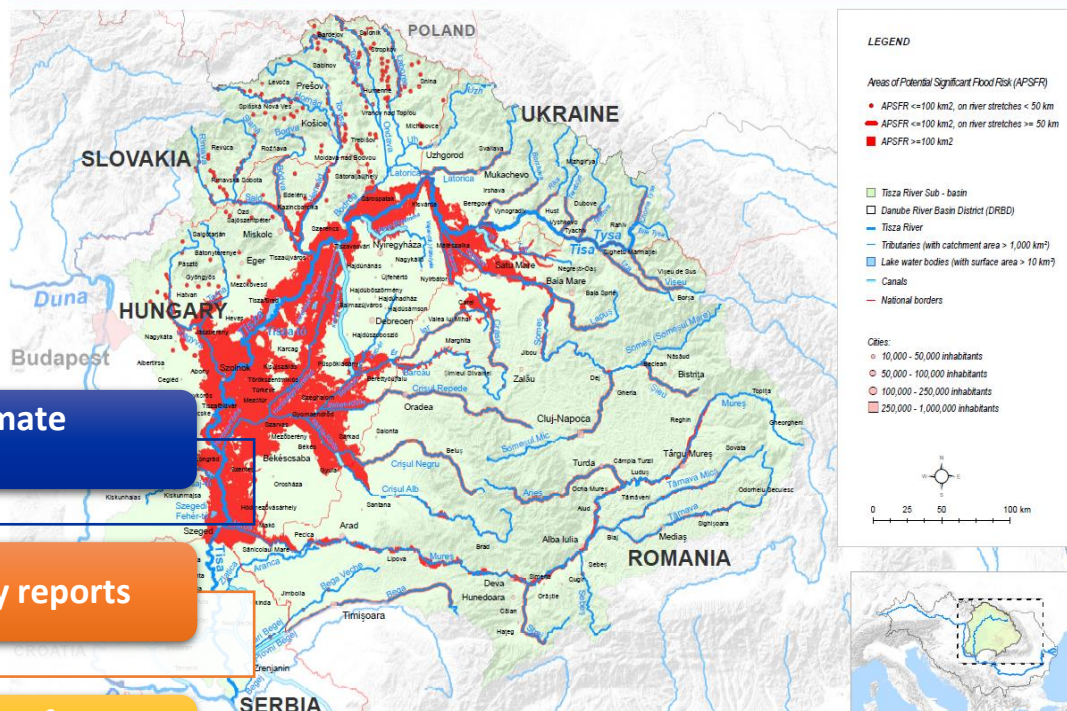
Synthesis of country reports and Development of strategic paper on the integration of TRBMP and TFRM

Comparison of Flood risk and Shared Vision Planning (SVP) method in stakeholder involvement

Simulation of dike failure with transboundary effect

Map 5. Areas of Potential Significant Flood Risk (APSFR)

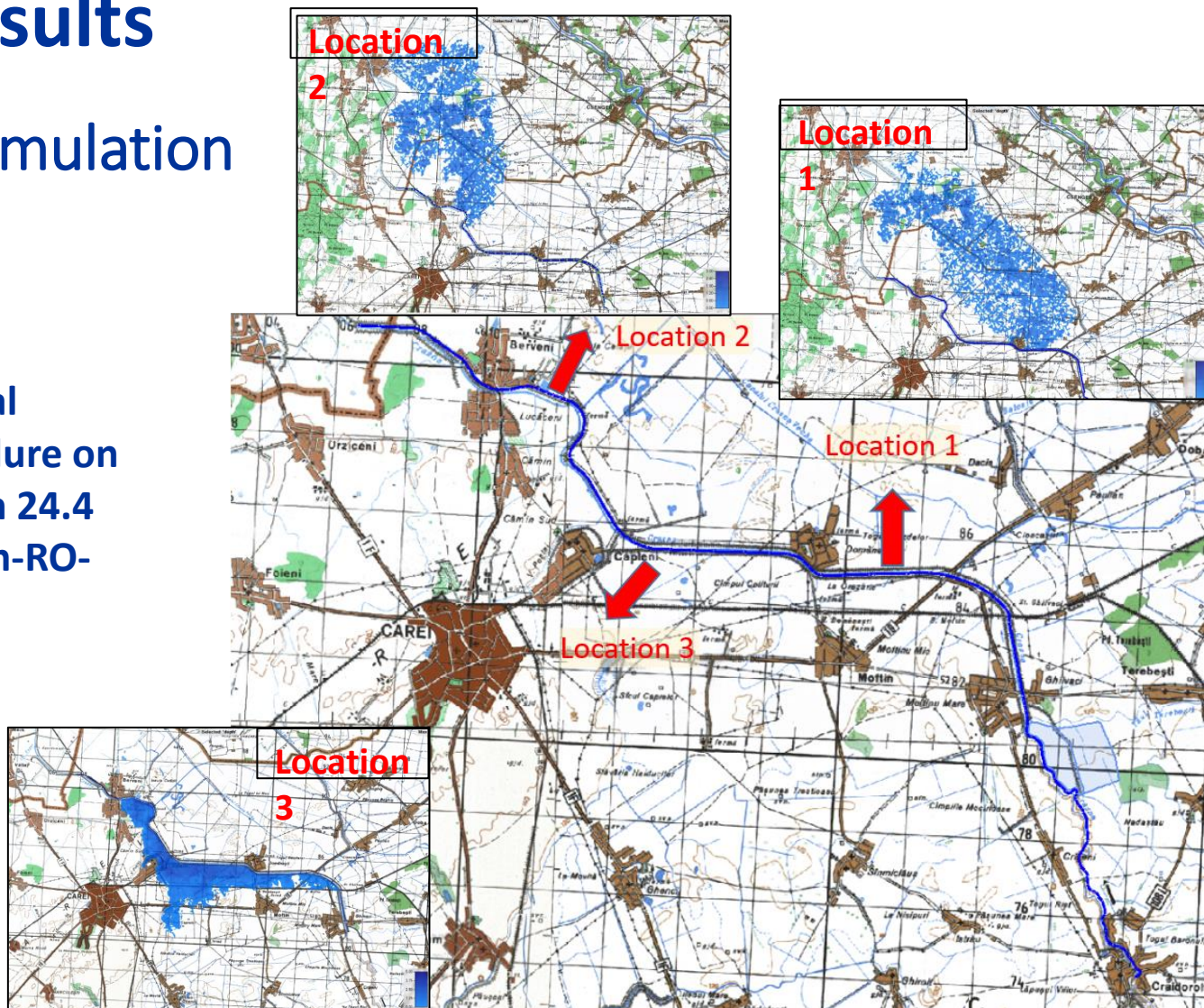
Updated ITRBMP 2019

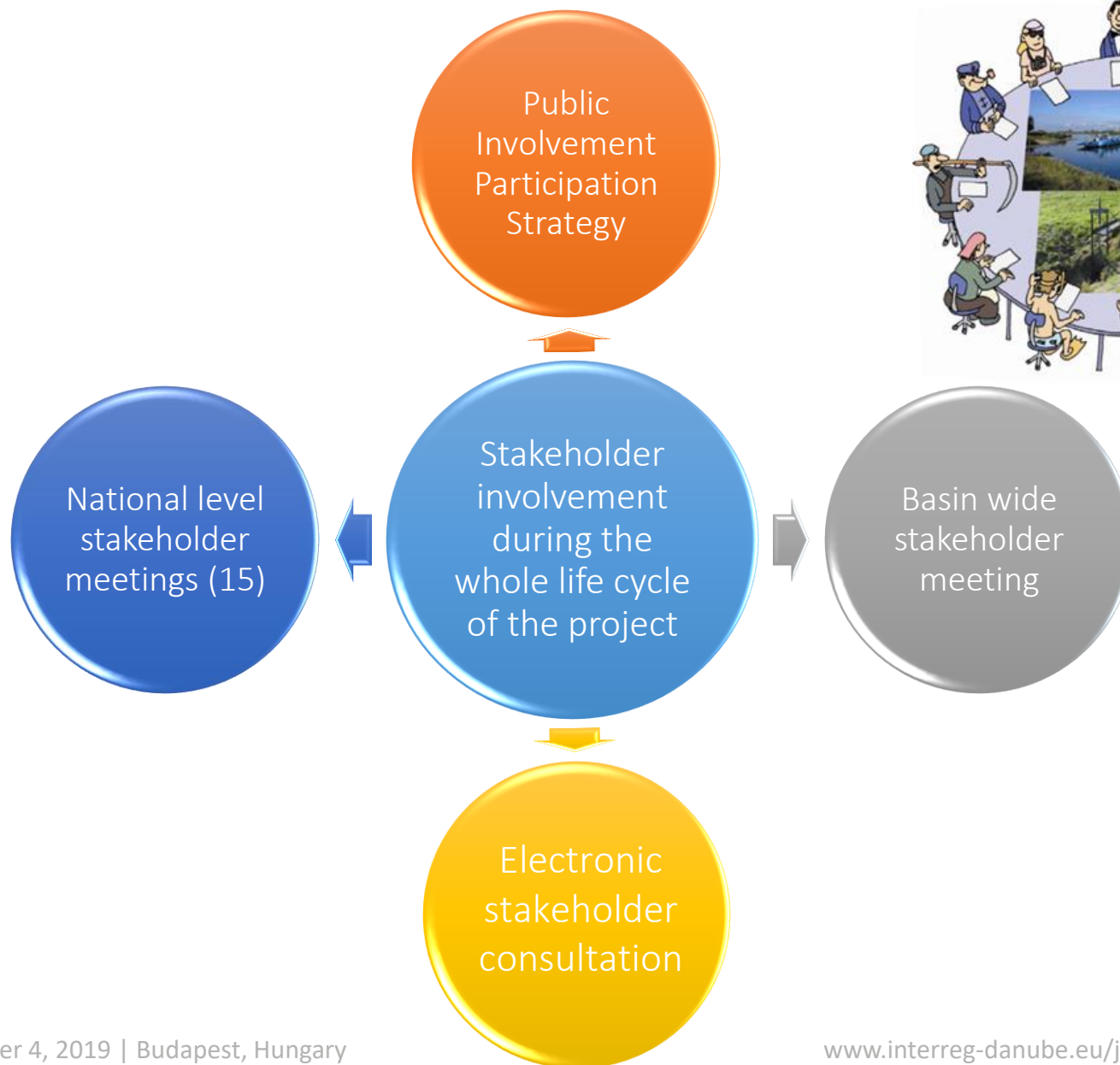


The main results

➤ Dike failure simulation

Simulating potential effects of a dike failure on the river Crasna (on 24.4 km sector upstream-RO-HU border)





Expectations fulfilled



The project Consortium lead by OVF and the Tisza Office served as a task platform to work together with all countries of the Tisza RB



The 2nd ITRBMP (Update) is elaborated with successful combination of river basin management, flood protection, urban hydrology, drought and climate change issues with the involvement of stakeholders on a broad scale



It is in line with the EUSDR PA4 and 5 measurable targets and expectations of the ICPDR Tisza Group

Ministers of the 5 Tisza countries signed the Memorandum of Understanding



Tisza cooperation: let us continue!

- The cooperation of the Tisza countries within the JOINTISZA project was fruitful
- The next challenge is the implementation of the plan laid down in the JOINTISZA project: **planning and implementation of Tisza River Basin level projects** for the application of the measures defined by the JOINTISZA project. The ICPDR Tisza Group has supported the idea to continue the work with new projects in the Tisza basin
- OVF and the Szolnok Tisza Office are proud to have lead the consortium and are willing to take a leading role in new Tisza basin projects from 2020 onwards.

ХВАЛА!

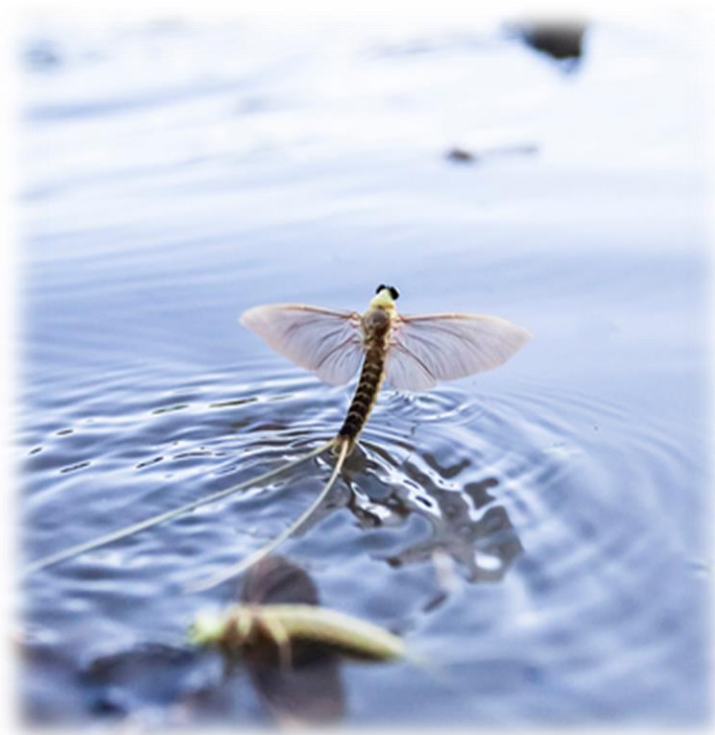
ĐAKUJEM!

MULȚUMESC!

Thank you!

СПАСИБИ!

KÖSZÖNÖM!



Project co-funded by the European Union (ERDF, IPA funds)

Partners: General Directorate of Water Management, Hungary | Global Water Partnership Central and Eastern Europe, Slovakia | International Commission for the Protection of the Danube River, Austria | Ministry of Environment, Water and Forest, Romania | Ministry of Foreign Affairs and Trade, Hungary | National Administration "Romanian Waters", Romania | National Institute of Hydrology and Water Management, Romania | Public Water Management Company "Vode Vojvodine", Serbia | Regional Environmental Center for Central and Eastern Europe, Hungary | The Jaroslav Černí Institute for the Development of Water Resources, Serbia | Water Research Institute, Slovakia | World Wide Fund for Nature Hungary

Associated Partners: Interior Ministry, Hungary | Ministry of Agriculture and Environmental Protection Water, Serbia | Secretariat of the Carpathian Convention (SCC), Austria | State Agency of Water Resources of Ukraine | Tisza River Basin Water Resources Directorate, Ukraine