



5th EUSDR Annual Forum | 3-4 November 2016 | Bratislava  
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# PA 4 Tisza sub-basin issues JOINTISZA & Solotvyno(UA)



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# Why is important the sub-basin issues for the PA 4?



- The mandate of the PA 4 is ,to restore and maintain the quality of waters' in all area of the EUSDR
- The operational area of the EUSDR, and so the PA 4 too, is practically the same like the DRB
- The operational method of the PA 4 is practically the same like the WFD
- The targets of the PA 4 are practically fitted to the environmental objectives of the DRBM Plan such as
  - Achieve the management objectives set out in the Danube River Basin Management Plan
  - Elaborate, adopt and implement the sub-basin management plans, such as Sava, Tisza and Prut sub-basins
  - Elaborate a Danube Delta Analysis Report as a step towards completion of the Delta management Plan
- Some actions of the PA 4 relevant for (sub) – basin issues are definitely describe
  - To greatly strengthen cooperation at sub-basin level
  - To implement fully the Danube River Basin Management Plan

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## JOINTISZA



## Background

- Implementation of the EU WFD at level of river basin and sub-basin since 2000
- Tisza River has the biggest sub-basin within the Danube River Basin
- Tisza sub-basin is a unique (green corridor) and specially sensitive catchment area (floods and droughts, limited water resources, high potential of contamination)
- The 1st ITRBMP was compiled by the ICPDR in 2011 (according to 6 year periods of the WFD) the next one is coming in 2017
- Due to lack of capacity of the ICPDR the working out of the 2nd ITRBMP is remaining, as common responsibility, to the Tisza countries
- The most relevant funding instrument to work out the Plan in the frame of a project is the DTP
- The Lead Applicant Hungary has been already over two successful submission process





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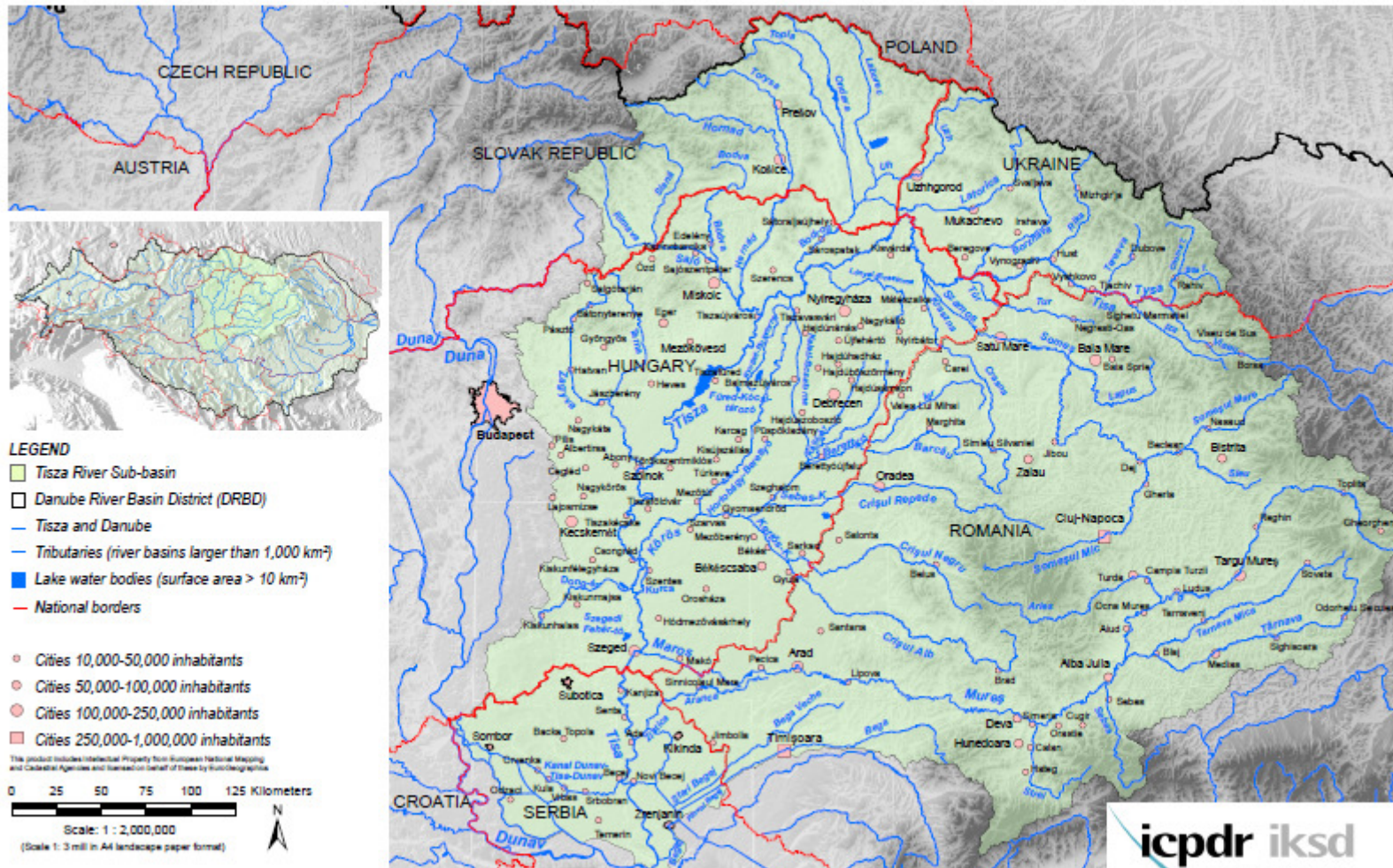
## JOINTISZA



### Tisza River Sub-basin: Overview

HU & RS are ,recipient' countries

MAP 1



Product of ICPDR

Prepared by

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## Expectations

- Be creating a project Consortium as a working platform working together with all countries of the TRB
- Elaborate the 2nd ITRBMP (Update) combined with flood, urban hydrology, drought and less water issues with the involvement of stakeholders as broad as possible
- Focus on, over the DTP Manual rules, the EUSDR PA4 and 5 measurable targets and expectations of the ICPDR Tisza Group

## Achievements

- Content compliance to the DTP Priority Axis 2 and Specific Objectives (SO 2.1):  
,Strengthen transnational water management and flood risk prevention'
- Wide scale of the institutions from the five Tisza countries (10 ERDF Partners, 2 IPA Partners, 5 AS Partners)
- Involvement of International Bodies, such as
  - ICPDR
  - Carpathian Convention
  - Global Water Partnership CEE
  - WWF
  - REC

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## Workpackages

- **WP1 – Project Management** (SG & PMU, Project Handbook & Action Plan, Project Quality Management, Reporting )
- **WP2 – Communication activities** (Communication & Stakeholder Strategy and Plan, Conferences, Publications & media outreach)
- **WP3 – TRB characterization** (surface water analysis, TRB status assessment, Joint Tisza Survey Manual)
- **WP4 – Water Quantity (SW & GW) issues** (water status assessment, urban hydrology pilot,
- **WP5 – Flood management** (flood issues & climate change, integration of TRBMP & TFR Management, Shared Vision Planning, simulation of dyke failure with transboundary effect)
- **WP6 – Synthesis** (drought & cc pilot, WP3,4,5 synthesis, JPM, 2nd ITRBMP Update)

## Budget

2.254 million €

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## Cause/trigger of the problem

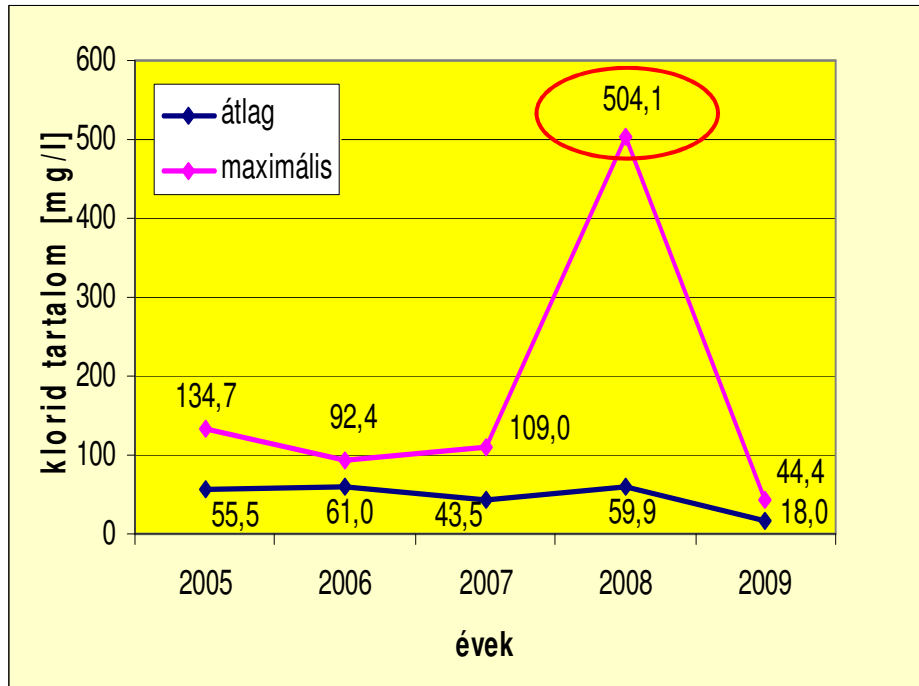


Figure 1: Maximum and average chloride content at the section of the Tisza River (Tjachiv, 35 river km downstream from Solotvyno)

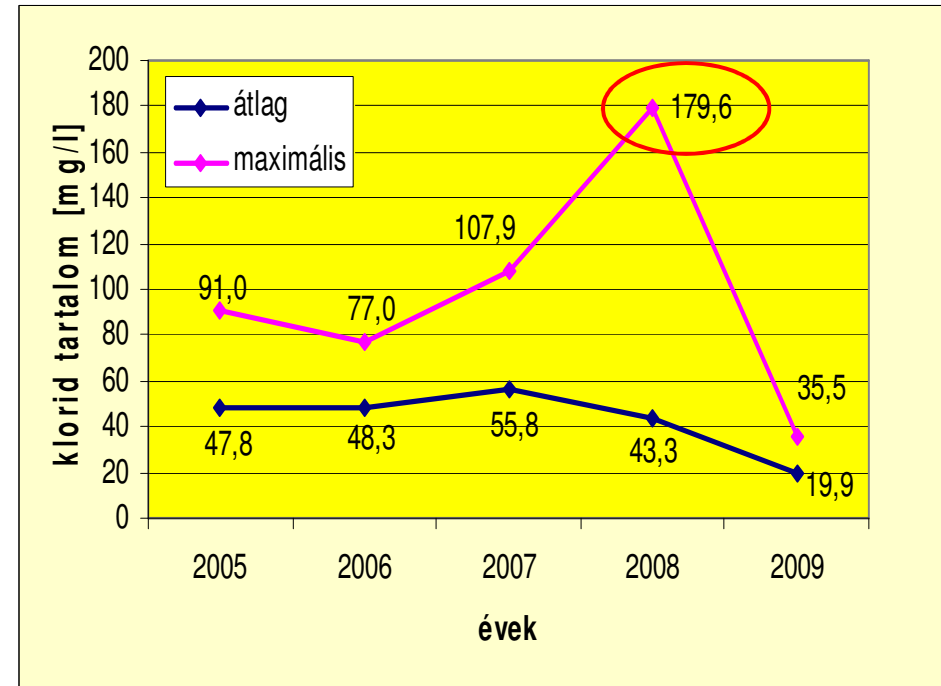
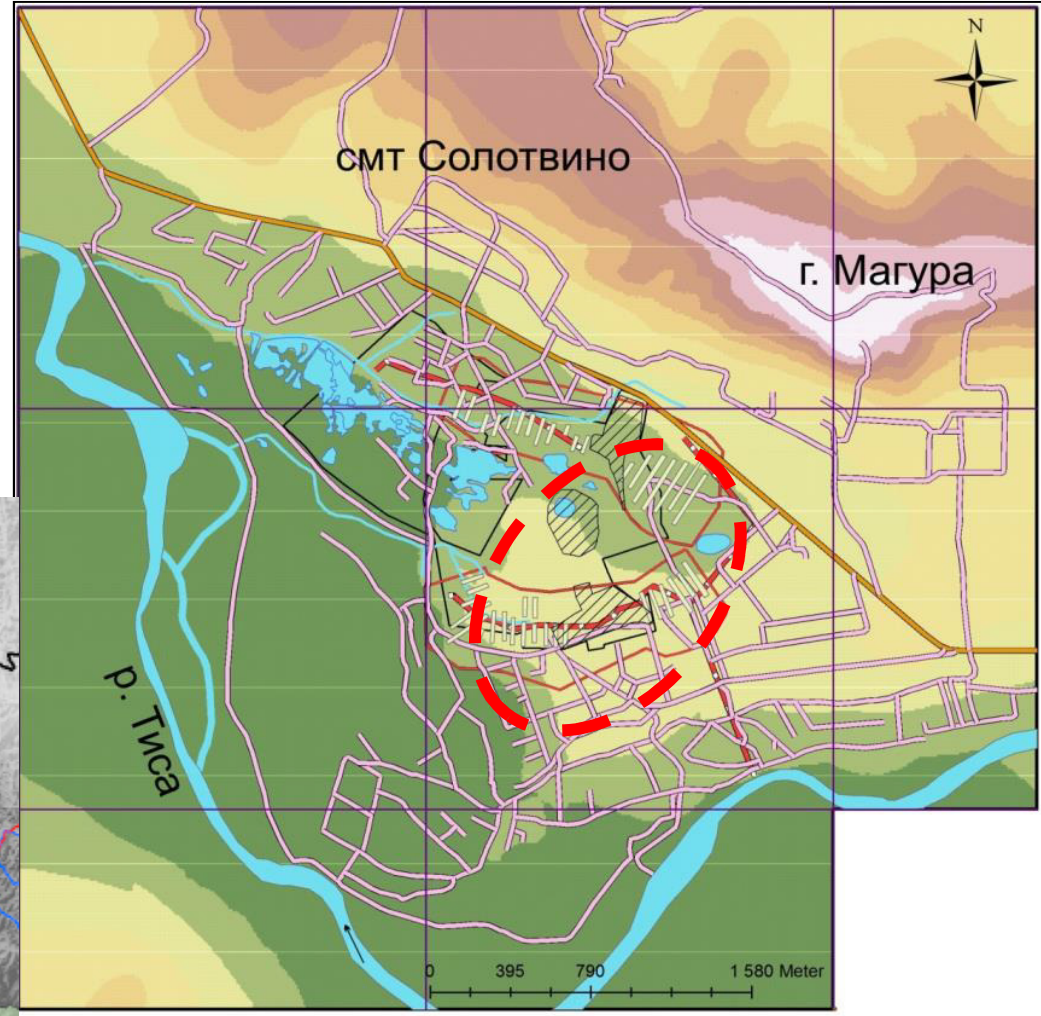


Figure 2: Maximum and average chloride content at the section of the Tisza River (Vilok-Tiszabecs, 104 river km from Solotvyno)



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# PA 4 Tisza sub-basin issues Solotvyno (UA)



## Background

- On 12 January 2016, the Hungarian and Ukrainian civil protection authorities (by the strong initiatives of the HU EUSDR NC) addressed a letter to Commissioner Stylianides and the Director General of DG ECHO, Ms. Monique Pariat, concerning a cross-border environmental pollution originated from the Solotvyno salt mine complex
- The Union Civil Protection Mechanism (UCPM) was activated on 17 June 2016 and deployed a scoping mission between the 3 to 8 July to support the national authorities with the next expectable results:
  - Technical Report on the (1st) Scoping Mission with findings
  - ToR to design the work for the next Advisory Mission
  - Activation of the (2nd) EUCPT Advisory Mission in autumn 2016 (14 September – 7 October)

## The EUCPT Advisory Mission composition

- 16 independent experts from EU and 1 Liaison Officer (LO) were deployed for a 24-day mission (the longest and largest one has ever been before under UCPM)

## The EUCPT Advisory Mission's objective

- “Risk Assessment of the Solotvyno mine area” report



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*EUCPT at Solotvyno mine backdrop sinkhole No8*

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*One of the craters at the former Mine shaft 8 backdrop Mine shaft 9 collapsed as well*

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*The crater is approaching to the mine office building*

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*Home destroyed by ground movements causing life hazard and social challenges*

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## Main goal (for the PA 4)

- To protect water quality of the Tisza River since the
  - salt mine catastrophe in Solotvyno is very close to the Tisza River and is in progress

## Findings

- Salt water discharge has not finished yet, despite the limited salt concentration currently
- Urgent and utmost help is needed to
  - design and operate a complex monitoring system for protecting the Tisza River
  - manage the harmful progress (sinkholes, ground moving, building damages, etc.,)
  - start the spatial planning and rethink the mining activity

## Achievements

- EU DG ECHO (Humanitarian Aid and Civil Protection) accepted the request of the PA 4 to disclose the situation (with help Commissioner Johannes Hahn)
- DG ECHO organized two missions onto the spot (a Scoping Mission on 3-8 July and an Advisory Mission on 14 September -7 October)
- The Advisory Mission prepared a Risk Assessment Report (containing short-, middle- and long term measurements) which will be formally submitted to the Ukrainian Government and be handed over to the DG REGIO
- Additional works after the missions will continue in frame of the EUSDR (projects!!!)





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