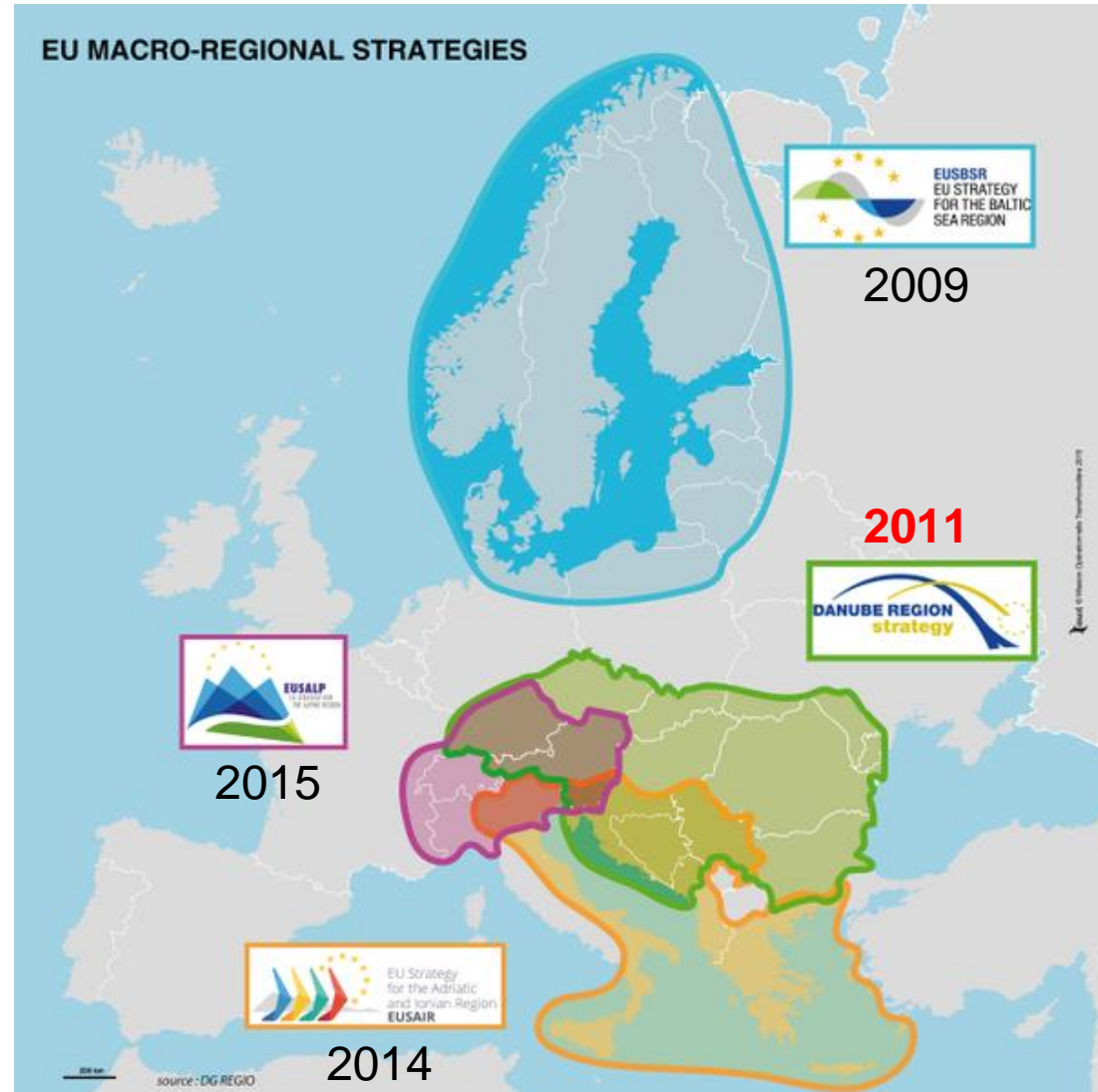




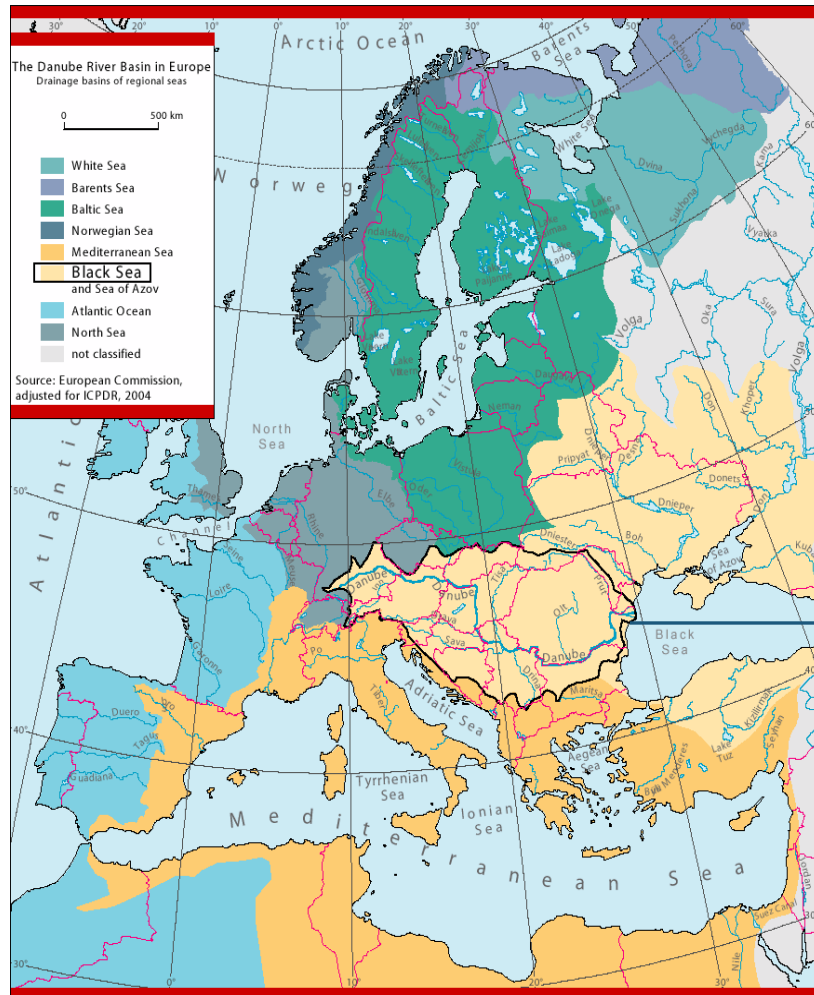
Danube Region Strategy and PA5 - Environmental Risks

Macro-regional strategies of the EU

- 3 NOs of EU communication in relation of macro strategies
 - NO new institutes,
 - NO new acts
 - NO new funding sources
- Objectives should be embedded into existing legal frameworks, programmes and financing tools (EU level, regional, national, pre-accessing)
- Multi level governance should foster the cooperation between stakeholders from different levels without the creation of new decision making bodies.

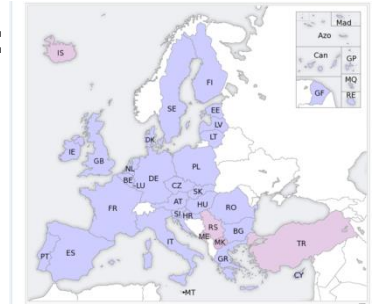


The Danube River Basin District within the European Union



Characteristic numbers:

- 10% of Europe
- 801,463 km²
- 83 mil inhabitants
- 19 countries



Most international river basin in the world.



Implementation of Flood Directive in the Danube Basin

European Union level: Working Group on Floods (WG-F)



Danube basin, „level A”



**Flood Protection
Expert Group (FP-EG)**



**Environmental Risks
Priority Area (PA5)**



HU presidency:
2019



HU presidency:
2017



www.icpdr.org

**AEWS: Accident Emergency
Warning System**



Task Groups

Expert Groups



Flood Risk Management Plan for the Danube River Basin District

- structure and content



- The plan itself is around 100 pages of text, tables and maps
 - General threshold for sub-basin appearance > 4.000 km²
 - Title: <http://www.icpdr.org/main/activities-projects/flood-risk-management>
- ## Flood Risk Management Plan for the Danube River Basin District

- Annexes:

1. Flood hazard and risk maps
2. FRMP measures
 - Avoidance of new risks
 - Reduction of existing risks
 - Strengthening resilience
 - Raising awareness
 - Solidarity principle

+ *Project list (living list, no prio)*
3. List Competent Authorities
4. Bilateral Agreements



Aspects of flood risk management	Type	Description	Measures by countries
Prevention	Removal or relocation	Measure to remove receptors from flood prone areas, or to relocate receptors to areas of lower probability of flooding and / or of lower hazard	<p>GERMANY</p> <ul style="list-style-type: none">• Removal/relocation• Information and training <p>AUSTRIA</p> <ul style="list-style-type: none">• Incorporation of hazard zone plans• Relocation and reallocation <p>CZECH REPUBLIC</p> <ul style="list-style-type: none">• Removal or relocation of buildings• Spend the rest of buildings and functional use life <p>HUNGARY</p> <ul style="list-style-type: none">• Removal or relocation of dykes <p>SLOVENIA</p> <ul style="list-style-type: none">• Setting a regulation on flood resilient construction (F) <p>SERBIA</p> <ul style="list-style-type: none">• Re-asses legalisation of illegally built structures on flood-prone areas• Remove structures illegally built on flood-prone areas

Flood Risk Management Plan for the Danube River Basin District

Thematic topic list developed with EUSDR



- 7.6 Improvement of flood forecasting
- 7.7 Information exchange on the operation of hydraulic structures
- 7.8 Coordination of operative flood management plans
- 7.9 Development of elements of flood risk management plans for trans-boundary sub-units of common interest
- 7.10 Exchange of flood protection techniques, technologies and experiences
- 7.11 Develop an education/training network
- 7.12 Enhance coordination of operative flood protection methods and equipment

EUSDR priority areas

Pillar-1 Connecting the region



PA 1A

Waterways Mobility



PA 1B

Rail-Road-Air Mobility



PA 2

Sustainable Energy



PA 3

Culture & Tourism

Pillar-2 Protecting the environment



PA 4

Water Quality



PA 5

Environmental Risks



PA 6

Biodiversity & Landscapes

Pillar-3 Building Prosperity



PA 7

Knowledge Society



PA 8

Competitiveness of Enterprises



PA 9

People & Skills

Pillar-1 Strengthening the Danube Region



PA 10

Institutional Capacity & Cooperation



PA 11

Security

EUSDR priority areas and SDG goals

Pillar-1 Connecting the region



PA 1A

Waterways Mobility



PA 1B

Rail-Road-Air Mobility



PA 2

Sustainable Energy



PA 3

Culture & Tourism

Pillar-2 Protecting the environment



PA 4

Water Quality



PA 5



PA 6

Pillar-3 Building Prosperity



PA 7

Knowledge Society



PA 10

Institutional Capacity

Pillar-1 Strengthening the Danube Region

Sustainable Development Goals



Environmental Risks Priority Area (PA5)



HU Coordination

Ministry of Foreign Affairs and Trade

Mr. Károly GOMBÁS

Priority Area Coordinator

RO Coordination

Ministry of Environment, Water and Forests

Mr. Gheorghe CONSTANTIN

Priority Area Coordinator

Website: <http://www.danubeenvironmentalrisks.eu/>

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The coordination is
financed by a DTP project.

EUSDR PA5 potential role for project support

- Applying for **LoR/LoM** based on the interest results in appearance on the website, action plan review will consider new findings and new fields of interest of the projects in scope
- **Dissemination** of the results, communicating findings via SG meetings and organized events, plus by website and articles
- **Embed the results** into e.g. education, like via InterFloodCourse project or e-learning materials
- Difficulties of different level of involved organisations - **stakeholder involvement via EUSDR network**



Current actions of PA5



1. To develop and adopt one **single overarching floods management plan at basin level** or a set of flood risk management plans coordinated at the level of the international river basin
2. To support **wetland and floodplain restoration as an effective mean of enhancing flood protection**, and more generally to analyse and identify the best response to flood risk (including “green infrastructure”)
3. To extend the coverage of the European Floods Alert System (EFAS) system to the whole Danube river basin, to step up preparedness efforts at regional level (including better knowledge of each other's national systems) and to further promote **joint responses to natural disasters and to flood events in particular, including early warning systems**
4. To continuously update the existing database of **accident risk spots (ARS Inventory)**, contaminated sites and sites used for the storage of dangerous substances
5. To strengthen **operational cooperation among the emergency response authorities** in the Danube countries and to improve the interoperability of the available assets
6. To develop **rapid response procedures and plans in case of industrial accidental river pollution**
7. Anticipate regional and local **impacts of climate change** through research
8. To develop **spatial planning and construction activities** in the context of climate change and increased threats of floods

Targets of PA5



- To address the challenges of water scarcity and droughts in line with the **Danube River Basin Management Plan** – Update 2015, the report on the impacts of droughts in the Danube Basin in 2015 (due in 2016) and the ongoing work in the field of climate adaptation*.
- Provide and enhance continuous support to the implementation of the **Danube Flood Risk Management Plan** – adopted in 2015 in line with the EU Floods Directive – to achieve significant reductions of flood risk events by 2021, also taking into account potential impacts of climate change* and adaption strategies.
- To continuously **update the existing databases** of accident risk spots (ARS Inventory), contaminated sites and sites used for the storage of dangerous substances.

**Climate change investigation itself is not in scope of DTP 3rd call*

Potential topics



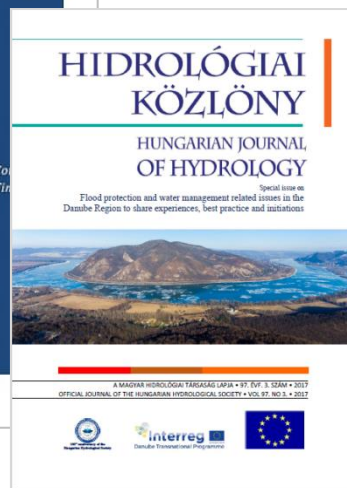
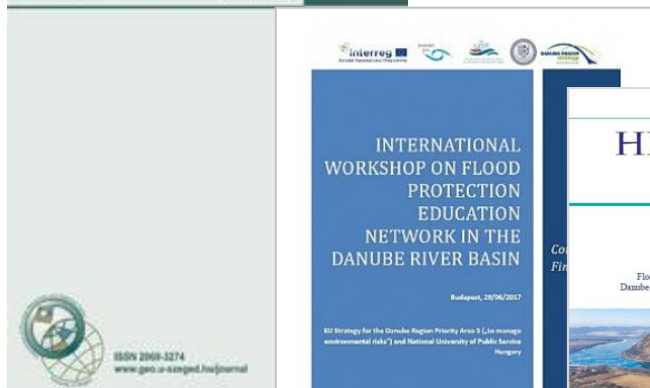
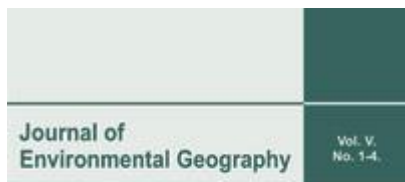
- Coordinate the **operative flood management and civil protection plans** considering the benefits of the civil protection mechanisms for the shared flood basins or stretches of common interest to better use the available resources.
- Safety of the critical water infrastructure on shared river basins, **contingency planning** for failure (havaria management)
- Basin/Sub-basin wide (technical/professional) **resource management masterplans** to facilitate adaptation of the Danube countries to climate change and to support anticipating local and regional impacts of climate extremities
- **Improve the capacities** to tackle accidental pollution risk at the transboundary, regional and basin level, including development and/or modernization of plans, equipment (including monitoring capacities), information and warning systems and joint trainings, taken also into account the effects of climate change
- Promote measures to increase preparedness through **raising public awareness with non-structural measures**



Thank you for your attention!



www.danubeenvironmentalrisks.eu



EVENTS



PA 3 Steering Group meeting
Monday, 5th November 2018 @ 10:00 am



Routes4U meeting for the Danube Region
Tuesday, 6th November 2018 @ 8:30 am



Public debate on revision of EUSDR Action plan
Wednesday, 7th November 2018 @ 9:00 am



5th Conference on Transport and Research in the Danube Region
Tuesday, 13th November 2018 @ 1:00 pm



Second International Congress on World Civilizations and Historic Routes
Thursday, 15th November 2018 @ 9:00 am

Transnational project for enhanced flood forecasting along the Danube

Posted by **Viktor Orozsi**, Thursday, 20th September 2018 @ 10:25 am



DAREFFORT project held its first event in Budapest on 13-14th of September in 2018 which combined the public kick-off meeting and the first partner meeting with the so called "Data Providers Conference". The three-year project – realized from more than 1.35 million euros – aims at synchronizing and unifying the hydrological data information system for the water catchment area of the Danube.

[READ MORE](#)

An entire week in the spirit of transcontinental sustainable water management

Posted by **Viktor Orozsi**, Sunday, 16th September 2018 @ 1:02 pm



The 7th ASEM Sustainable Development Dialogue on "Sustainable and Integrated Water Management in the 21st century – addressing imminent challenges" and the 3rd Eurasian Water Conference was held in Budapest at the second week of September 2018 and brought together water management experts from the Danube region and Asia.

[READ MORE](#)

JRC manifestation of interest for a reimbursed participation at the EUSDR Annual Forum

Posted by **Viktor Orozsi**, Thursday, 23rd August 2018 @ 12:40 pm



The Joint Research Centre of the European Commission is offering pre-paid travel and accommodation to researchers/experts from Albania, Bosnia and Herzegovina, FYROM, Montenegro, Serbia, Kosovo, Turkey, Armenia, Georgia, Moldova and Ukraine to participate in the 7th Annual Forum of the EU Strategy for the Danube Region, taking place on 18-19 October 2018 in Sofia, Bulgaria.

[READ MORE](#)