

# UPDATE ON EUSDR PA<sub>5</sub> (Environmental risks) ACTIVITIES SINCE OCTOBER 2017

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**15th EUSDR PA<sub>4</sub> Steering Group Meeting**

**Budapest, Hungary**

**18/4/2018**



# 12<sup>th</sup> EUSDR PA5 Steering Group meeting

- Organized in Vienna (13-14/12/2017) **back-to-back with the 20<sup>th</sup> ICPDR Ordinary Meeting** to utilize the possible synergies
- Participation of **8 Danube countries** and the visit of 2 HoDs +EUSDR PA4, ICPDR, GWP, Carpathian Convention
- DE, BiH, HR, RS were not represented on PA5 SG Meetings in 2017, and Montenegro did not delegate SG member until now
- Signature of the **Memorandum of Understanding** document with the Carpathian Convention
- Remarks on AEWS operation
- **Discussion on future activities and projects envisaged under PA5**



# EUSDR PA5 cooperation with other macro-regional strategies of EU

- INTERACT Joint meeting of macro-regional coordinators on climate and disaster risk reduction (Budapest, 16-17/11/2017)
- Participation of EUSDR PA5 HU PAC on the EUSALP Annual Forum and invitation to the 12nd PA5 SG Meeting (Vienna, 5/12/2017)



# EUSDR PA5 cooperation with other macro-regional strategies of EU

- As a follow-up the coordinators **jointly** organized a **conference session on the EU Civil Protection Forum 2018** in Brussels “SCALING UP PREVENTION: Cross-border cooperation for effective disaster risk management” highlighting their achievements for the whole European civil protection community.



ards in Education

DANUBE REGION strategy

36 secondary-school geography textbooks from 36 countries – including ...  
... – was conducted in 2013 by Komac et al.

of Geography textbooks requested	No. of textbook pages investigated	No. of pages containing descriptions of natural disasters	Share of pages containing descriptions of natural disasters
4	911	19	2,09
8	1 083	21	1,94
no data	no data	no data	no data
4	748	11	1,47
3	374	2	0,53
10	2 220	105	4,72
7	1 225	35	2,86
3	714	14	1,96
no data	no data	no data	no data
3	399	24	6,02
5	1 020	36	3,53
3	254	0	0
7	831	34	4,09
0	1 514	5	0,33
11	11299	306	2,71

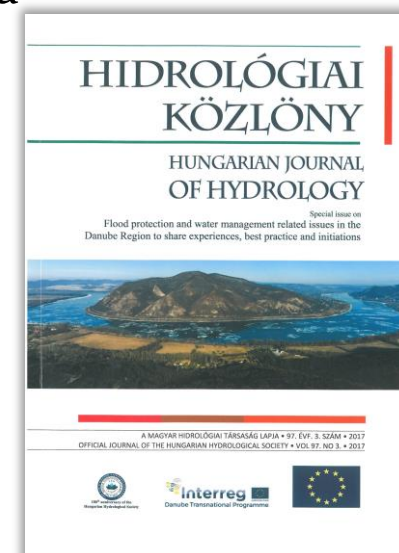


# EUSDR PA5 participation on other conferences, workshops

- 6<sup>th</sup> **ASEM Seminar** on „Integrated Water Resources Management for Sustainable Development” (**Lao PDR**, 25-26/10/2017) - representing PA4 & PA5 achievements and projects for Asian experts
- General Assembly of **Danube Chambers of Commerce Association** (Budapest, 5/12/2017) – representing HU Pres., PA2 & PA5
- **East-West Cohesion International Conference** (16-17/11/2017, Dunaújváros, HU) – non-EU involvement within EUSDR, PA4 & PA5 projects
- UNESCO IHP - ISRBC Transboundary Training **Workshop on Governance and Technology for Flood Risk Reduction** (Zagreb, 5-7/12/2017)

# EUSDR PA5 - Project support activities

- Organizing **EUSDR Pillar B Stakeholder Seminar** (Budapest, 17/10/2017) with PA4 & PA6
- Issuance of EUSDR **Letter of Recommendation** (LoR) for projects (1 DTP, 4 HUSKROUA, 1 HU-SRB, 1 HU-SK, 1 DSPF in 2017 and 1 Interreg CE in 2018) and publication of a **LoR leaflet**
- InterFloodCourse, DAREFFORT, Danube Floodplain, DAMWARM+, DEVICE **support of project elaboration**
- Organization of **project preparatory workshops**
- **Special issue of the Hungarian Journal of Hydrology** – edited and financed together with PA4 (18/10/2018)



# PA5 defined DTP Seed Money Facility (SMF) topics

	Topics	Explanations
1	Coordinate the operative flood management and civil protection plans	Focus on evacuation plans and procedures, safeguarding people, goods, emergency rescue plans, regional catastrophe plans including contingency plans for water scarcity etc.) considering the benefits of the civil protection mechanisms for the shared flood basins or stretches of common interest to better use the available resources
2	Safety of the critical water infrastructure on shared river basins, contingency planning for failure (havaria management)	Investigation and evaluation of lakes, reservoirs and their dams or complex water bearing structures which could have transboundary/ international effects if busted or malfunctioning. The extreme natural conditions or the failure of these manmade objects would cause environmental risks, like sudden inundation, water quality problems and additionally block of freshwater supply, irrigation, transport etc. The topic covers the estimation of the effects and calculation of the response time and develop possible measures, action plans. The aim is to raise preparedness and get aware of the potential threats to act in advance. The activities need to be communicated in the border commissions and international collaboration should be set up for such cases.
3	Basin/Sub-basin wide technical/professional) water resource management masterplans	Projects are expected to facilitate the adaptation of the Danube countries to climate change and to support anticipating local and regional impacts of climate extremities (e.g. ice management, border crossing flood or excess water inundation – beside the river network including shared lake surface and littorial)
4	Improve the capacities to tackle accidental pollution risk at the transboundary, regional and basin level	Focus on the 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

# Submitted projects under PA5 topics



Acronym	Title	Topic	LP	Country
<b>DADDI</b>	Development of a Danube Trans-national Local Exposure and Damage Information Datasets network in support to the implementation of the Sendai Framework for Disaster risk reduction	1	Agency for Sustainable Development and Eurointegration - Ecoregions	BG
<b>LAREDAR</b>	LAKes and REservoirs in the DANube River Basin	2	Middle Tisza District Water Directorate (MTDWD)	HU
<b>DEVICE Danube</b>	DEVELOPMENT of the ICE management project concept for the Danube Region (preparatory project for "DANICE" application)	3	Lower Danube Valley Water Directorate	HU
<b>PSP DB RO-BG</b>	Protection and Security of the Population on the Danube Border of Romania-Bulgaria	1?	Communication and Information Systems Directorate within the Ministry of Interior of the Republic of Bulgaria	BG
<b>SCWI ECP</b>	Safety of critical water infrastructure of shared river basins, emergency and crisis response planning	2	Communication and Information Systems Directorate within the Ministry of Interior of the Republic of Bulgaria	BG
<b>DIERMS</b>	Danube Interregional Environmental Risk Management System	4	Space Research and Technology Institute\Bulgarian Academy of Sciences	BG





# Ice management along the Danube - **DEVICE**

- Danube Transnational Programme – **submitted to the 1<sup>st</sup> Seed Money Facility Call** for proposals (under evaluation)
- **HU-SRB-SK** project cooperation
- Ice conveyance investigation
- National and basin-wide **operative resource management plan** for icy flood together with mitigation measures.
- **Harmonization of ice management planning methods** and recommendations for
- **Ice Management Master Plan**
- **E-learning** materials for ice management



# InterFloodCourse project

- **Submission** for DSPF call with the support of EUSDR PA5

**Lead partner:** National Univ. Of Public Service (HU)

**Partners:**

- Technische Hochschule Deggendorf (DE)
- Slovak University of Technology in Bratislava (SK)
- University of Belgrade (SRB)

**Observers:**

- General Directorate of Water Management (HU)
- Transcarpathian Hydrometeorological Center (UKR)

**Budget:** cca. 97.000 EUR

- **Objective:** to develop a **harmonized, international postgraduate course on flood and flood risk management** which integrates the knowledge of all participating partners and involves expertise of Danube region professionals during this process.
- **Result:** a comprehensive **flood management curriculum** that offers a professional development possibility **for Civil engineers**

# InterFloodCourse project

## □ Activities:

- International **conference** on flood-related education (Baja, Hungary)
- **Curriculum development** (partner meeting Belgrade)
- Development of detailed **course materials** (e-learning)
- Course **promotion**

- Project kick-off expected in first half of 2018
- Project duration: 12 months



# DAREFFORT project (under condition clearing

- DAREFFORT (Danube River Basin Enhanced Flood Forecasting Cooperation)
- Project duration: 36 months (project start expected in June 2018)
- Project budget: cca. 1.35 M EUR
- LP: Viziterv Environ Ltd. (HU)
- Partnership:
  - 11 partners from 9 countries
  - 12 Associated Strategic Partners (e.g. WMO, ICPDR, Sava Commission, EU Joint Research Center, 4 ministries, 3 hydromet. institutes)



# DAREFFORT project (under condition clearing

- Evaluation report on flood and ice forecasting in the DRB
- Policy recommendations for exchange of data
- Observed data exchange software
- Expert workshops on knowledge exchange
- Pilot action on limited external model access (Iron Gate stretch)
- Guidelines on data management
- E-learning on flood and ice forecasting practices
- Danube Forecasting Forum (DAFF) events (2x)



# Danube Floodplain (under condition clearing)

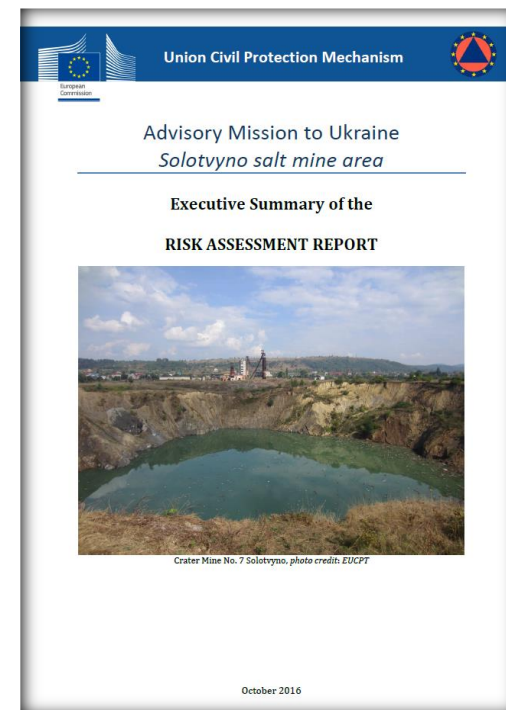
- LP: National Administration Romanian Waters
- Partnership: 16 ERDF (9 countries) + 1 IPA (RS) + 1 ENI (UA) partners + 4 ASPs (i.e ICPDR)
- Project Duration: 30 months (from June 2018)
- Project budget: cca. 3,9 M EUR
- Main expected outputs:
  - Evaluated and ranked Danube floodplains
  - Flood prevention measures tested in pilot areas
  - DRB Floodplain Management Strategic Guidance
  - Floodplain restoration/preservation action plan and manual
  - Floodplain management workshop





# 'Environmental security' - Solotvyno

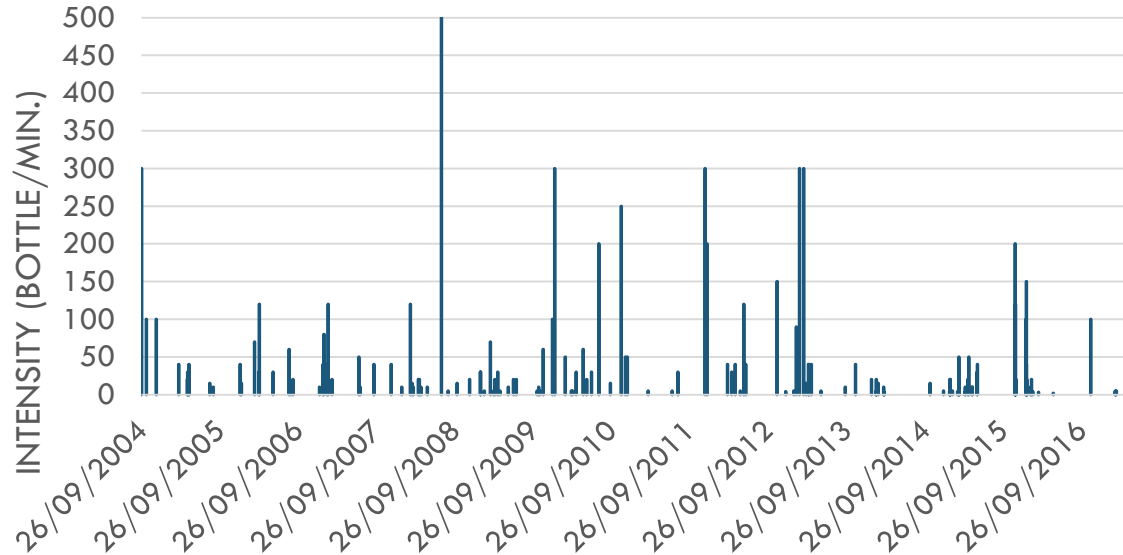
- The **abandoned salt mine** of Solotvyno in Ukraine affecting the groundwater and Tisza river with salt contamination
- EUSDR HU NC initiated **EU Civil Protection Mechanism** - activated by DG ECHO 02/2016
- International Scoping Mission with EUSDR PA4 and PA5 support and participation in July 2016
- 3 weeks **Advisory Mission** from 14/09/2016 – 07/10/2016 at Solotvyno with PA4 participation
- Executive summary of the **Risk Assessment Report**
- **REVITAL I.** - HUSKROUA ENI CBC **project** preparation on monitoring system development (**submitted** in November 2017)





# Plastic waste pollution of the Tisza River – a common PillarB challenge?

- ❑ Solid waste **pollution mostly from upstream countries** (& microplastic problem)
- ❑ **Exchange of experiences** (UA National Waste Management Strategy - Odessa in 2017)
- ❑ **Identification of any possible funding sources**
- ❑ Support of **awarness raising campaigns** from 2018 – **PET Cup** and **International Danube Day** event



Source: FETIVIZIG



# Climate Change Adaptation related PA5 activities

- Contribution to update of **EU Strategy on Adaptation to Climate Change** carried out by DG CLIMA in 2017 to assess the role of EU macro-regional strategies
- **European drought and water scarcity policy review** in 2018 **within the Global Water Partnership CEE Integrated Drought Management Programme**
- **ICPDR Climate Change Adaptation Study Update 2018** was elaborated in 2017. **PA5** contributed to the first review of the document at the **ICPDR CCA Workshop** in Belgrade (27-28/3/2018) - **serve as the basis of a regional climate change adaptation strategy elaborated in 2018**

# Project level support of Climate Change Adaptation

- PA5 participation in JOINTISZA project AHTG on climate change induced water quantity issues
- PA5 support for DriDanube project – participation on first year review and regional training on drought risk assessment (Belgrade, 28/2/2018 - 1/3/2018)
- WateratRisk project targeting the HU-SRB cross-border area (opening conference held 17/1/2018, Novi Sad)
  - innovative and harmonised monitoring solutions and water management operational plans to facilitate early warning
  - Drought and Excess Water Management Centre in Szeged (HU)

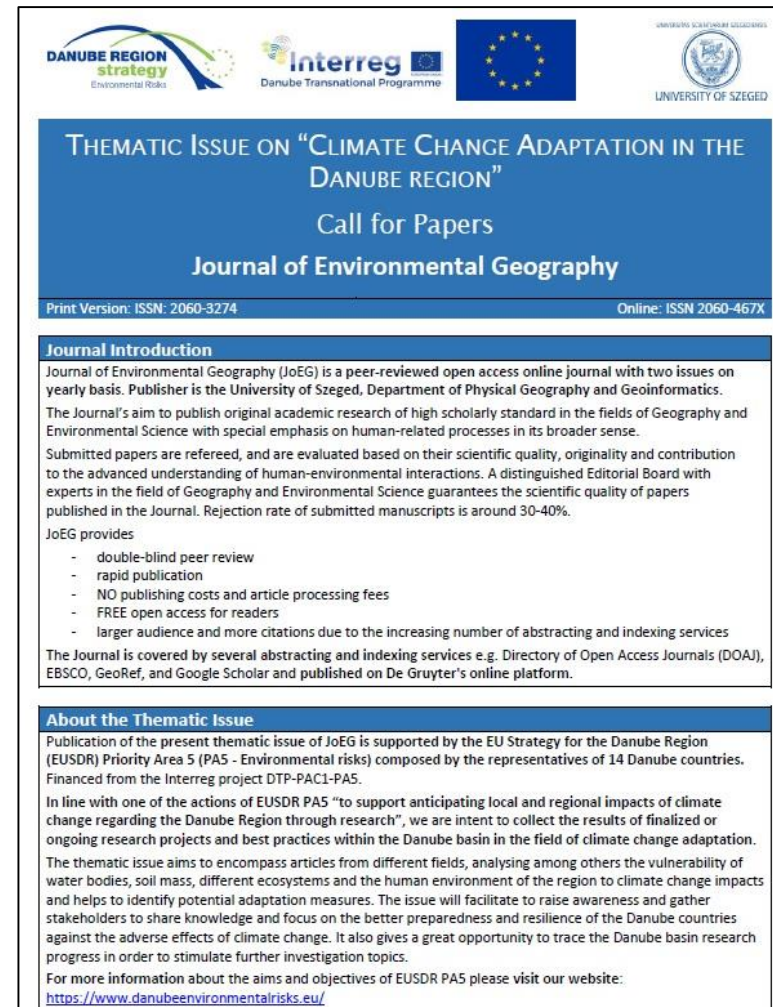
Source: [www.enca.com](http://www.enca.com)







# PA5 - Call for Papers 2018

- **Journal of Environmental Geography (JoEG)** is a peer-reviewed open access online journal published by the University of Szeged
- **Thematic issue on „Climate Change Adaptation in the Danube Region”** financed by EUSDR PA5
- The issue will facilitate to **raise awareness** and gather stakeholders to **share knowledge** and focus on the better preparedness and resilience of the Danube countries against the adverse effects of climate change.
- Gives a great opportunity to **trace the Danube basin research progress** in order to stimulate further investigation topics.
- **Manuscript submission until 15<sup>th</sup> of September 2018**



**DANUBE REGION strategy** Environmental Risks **Interreg** Danube Transnational Programme  

**THEMATIC ISSUE ON “CLIMATE CHANGE ADAPTATION IN THE DANUBE REGION”**  
**Call for Papers**  
**Journal of Environmental Geography**

Print Version: ISSN: 2060-3274 Online: ISSN 2060-467X

**Journal Introduction**  
Journal of Environmental Geography (JoEG) is a peer-reviewed open access online journal with two issues on yearly basis. Publisher is the University of Szeged, Department of Physical Geography and Geoinformatics. The Journal's aim to publish original academic research of high scholarly standard in the fields of Geography and Environmental Science with special emphasis on human-related processes in its broader sense. Submitted papers are refereed, and are evaluated based on their scientific quality, originality and contribution to the advanced understanding of human-environmental interactions. A distinguished Editorial Board with experts in the field of Geography and Environmental Science guarantees the scientific quality of papers published in the Journal. Rejection rate of submitted manuscripts is around 30-40%.  
JoEG provides  
- double-blind peer review  
- rapid publication  
- NO publishing costs and article processing fees  
- FREE open access for readers  
- larger audience and more citations due to the increasing number of abstracting and indexing services  
The Journal is covered by several abstracting and indexing services e.g. Directory of Open Access Journals (DOAJ), EBSCO, GeoRef, and Google Scholar and published on De Gruyter's online platform.

**About the Thematic Issue**  
Publication of the present thematic issue of JoEG is supported by the EU Strategy for the Danube Region (EUSDR) Priority Area 5 (PA5 - Environmental risks) composed by the representatives of 14 Danube countries. Financed from the Interreg project DTP-PAC1-PA5.  
In line with one of the actions of EUSDR PA5 “to support anticipating local and regional impacts of climate change regarding the Danube Region through research”, we are intent to collect the results of finalized or ongoing research projects and best practices within the Danube basin in the field of climate change adaptation. The thematic issue aims to encompass articles from different fields, analysing among others the vulnerability of water bodies, soil mass, different ecosystems and the human environment of the region to climate change impacts and helps to identify potential adaptation measures. The issue will facilitate to raise awareness and gather stakeholders to share knowledge and focus on the better preparedness and resilience of the Danube countries against the adverse effects of climate change. It also gives a great opportunity to trace the Danube basin research progress in order to stimulate further investigation topics.  
For more information about the aims and objectives of EUSDR PA5 please visit our website:  
<https://www.danubeenvironmentalrisks.eu/>

Project co-financed by European Union Fund (ERDF) and Hungary



# Summary of main activities in 2018 expected, beyond the regular PA5 tasks



- Organization of the 7<sup>th</sup> ASEM Sustainable Development Dialogue (Danube – Mekong cooperation) – Budapest 11-12/9/2018
  - PA5 & PA4 contribution expected
  - Proposed sessions:
    - *Water as a key challenge in Asia and Europe – “The case for cities”*
    - *Water related disaster management and climate change resilience*
    - *Hazardous substances, plastic waste and micro-pollutants of waters and their effects on nature*
  
    - *Water allocation on transboundary basins, including water scarcity and drought management, the quality and quantity of surface and groundwaters*
    - *Modern water resources management in education – challenges of the 21st century*
  
- European **drought policy review** with GWP CEE
- **Journal of Environmental Geography** special issue on climate change adaptation
- Contribution to **ICPDR CCA Strategy**
- Financing an **E-learning material** related to **flood protection**
- UA-MD study tours/working meetings of the Romanian coordination
- Dissemination of PA5 brochure

# Thank you for the kind attention!

For more information please visit our website:

[www.danubeenvironmentalrisks.eu](http://www.danubeenvironmentalrisks.eu)

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## EVENTS



[Danube Cities Against Human Trafficking round table in Ljubljana](#)

Wednesday, 18th April 2018 @ 9:00 am

<<	April 2018							>>
Mo	Tu	We	Th	Fr	Sa	Su		
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30								

[Show all events](#)

## NEWSLETTER

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Country	<input type="text"/>

## Common session of EU macro-regional strategies at the European Civil Protection Forum

Posted by Viktor Oroszi, Tuesday, 20th March 2018 @ 3:11 pm



The 6th European Civil Protection Forum, organised under the central theme of "Civil Protection in a Changing Risk Landscape", took place on 5 and 6 March 2018 in Brussels. The event gathered 900 representatives from the European civil protection community, countries of the European Neighbourhood, first-line responders, academia, international organisations, NGOs, and European institutions to discuss the current developments in the Union Civil Protection Mechanism framework and put forward new ideas for tackling common challenges. EU Strategy for the Danube Region PA5 – Environmental Risks priority area Hungarian coordination and the coordinators for Policy Area Secure in the EU Strategy for the Baltic Sea Region organized a thematic break-out session in the topic of transnational cooperation for effective disaster risk management.

[READ MORE](#)

## Call for Papers - Climate Change adaptation in the Danube Region

Posted by Viktor Oroszi, Thursday, 8th March 2018 @ 2:47 pm



EUSDR PA5 coordination is intent to collect the results of finalized or ongoing research projects and best practices within the Danube basin in the field of climate change adaptation. Therefore the priority area is planning to finance in 2018 a Thematic Issue 'Climate Change Adaptation in the Danube Region' of the Journal of Environmental Geography. All related academic research papers are welcomed!