

Accepted Project within INTERREG Central Europe

DEEPWATER-CENTRAL EUROPE

SG Meeting of the Priority Area 4 (PA4) of the European Union Strategy for the Danube Region (EUSDR)
16.04.2019

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- **Project title:**

Developing an integrated implementation framework for Managed Aquifer Recharge (MAR) solutions to facilitate the protection of Central European water resources endangered by climate change and user conflict



- Programme priority: **3. Cooperating on natural and cultural resources for sustainable growth in CENTRAL EUROPE**
- Programme priority specific objective: **3.1 To improve integrated environmental management capacities for the protection and sustainable use of natural heritage and resources**
- Lead partner organisation: **Mining and Geological Survey of Hungary**
- Project index number: **CE 1464**
- Project duration: **01.05.2019 - 30.04.2022**(36 months)
- Project budget – total: **1.771.535,96 € (ERDF – 1.493.827,52€)**

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Partner list

1	Mining and Geological Survey of Hungary	HU	LP	LP
2	Geogold Kárpátia Ltd.	HU	PP2 - Geogold	PP
3	Technical University of Munich	DE	PP3 - TUM	PP
4	University of Silesia in Katowice	PL	PP4 - US	PP
5	State Water Holding 'Polish Waters'	PL	PP5 - PGW	PP
6	Water Research Institute	SK	PP6 - WRI	PP
7	Split Water and Sewerage Company Ltd	HR	PP7 - VIK-Split	PP
8	Croatian Geological Survey	HR	PP8 - HGI-CGS	PP
<i>Associated to</i>				
9	General Directorate of Water Management	HU	AP	Mining and Geological Survey of Hungary
10	Veneto Regional Agency for Environmental Protection	IT	AP	Mining and Geological Survey of Hungary
11	International Groundwater Resources Assessment Centre	NL	AP	Mining and Geological Survey of Hungary
12	Croatian Waters	HR	AP	Split Water and Sewerage Company Ltd
13	Tarnów Waterworks	PL	AP	Croatian Geological Survey

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Main objective:

Develop integrated environmental management capacities of responsible public actors for a comprehensive transnational approach to planning water resources and adoption of MAR (Managed Aquifer Recharge) solutions in central European countries as a solution to climate change induced water scarcity.

Specific objectives:

- To improve preparedness of the CE competent organisations for integrated environmental management of water underground storage through MAR
- To tailor, pilot and evaluate MAR solutions to Central Europe climatic scenarios and hydro geologic surroundings as well as existing technologies
- To enable developing a policy framework for MAR with the aim to facilitate the long-term sustainability of water supply within the region

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Work packages:

- T1: Development of a transnational knowledge base on the applicability of MAR in Central Europe
- T2: Development of a transnational assessment methodology for decision-making on MAR locations in CE
- T3: Feasibility assessment of establishing MAR schemes in CE
- T4: Development of policy recommendations and national action plans

Outputs:

- Trainings for knowledge transfer on MAR solutions and their environmental and economic benefits,
- Transnational decision support toolbox for designating potential MAR locations in Central Europe,
- Pilot feasibility studies for MAR projects with integrated environmental approach/porous aquifers or karst aquifers,
- National Action Plans for adopting MAR solutions in national water resource management schemes.

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Water Research Institute will contribute to the all work packages. We are the only partner from Slovakia.

WRI will be responsible for:

- in WP1 : - the stakeholders involvement and management,
 - providing the data for the benchmark analysis of the good practices of MAR solutions in EU,
 - development of a common methodology and curricula of trainings
 - supporting partners in drafting the common methodology by providing data determining MAR sites in SK,
- In WP2: - collecting of SK climatic scenarios, the classification of extreme situation cases,
 - support with the production of the toolbox for the designation of geographical areas suitable for MAR.
- In WP3: - involving in toolbox-based selection of pilot site in SK and implementation the pilot MAR feasibility study in SK and performing the ongoing evaluation for the comparative reports and environmental impact assessment of PL MAR site.
- In WP4: - supporting for the transnational reports on legislation and drafting of policy recommendations and action plan in SK for the adoption of MAR.

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Current status:

- Subsidy contract is being signed at the moment
- Contracts between LPs and PPs are under preparation
- Project kick-off meeting will be in 11.-12. June 2019 in Budapest

