

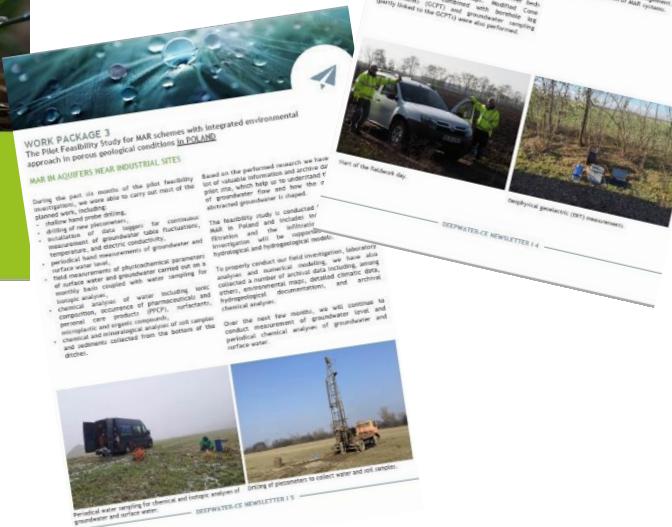


📍 CE1464 DEEPWATER-CE - EUSDR PA4 SG meeting (9 June 2021)

🗣 Current status - fieldwork and feasibility study guidance

👤 Presentation by: PP6 Water Research Institute

PILOT SITES



PILOT AREA LOCATION IN PODUNAJSKA LOWLAND

Recharge Dam MAR type
Žitný ostrov pilot area



CURRENT FIELD ACTIVITIES

Fieldwork status:

- ✓ Water flow/water level measurements in canals
- ✓ Soil sampling to measure physical and hydro-physical characteristics
- ✓ Measurements of hydraulic conductivity using auger hole method
- ✓ Groundwater table measurements in probes
- + MODFLOW and HYDRUS 2D modelling



*Carried out in cooperation with the Slovak University
of Technology and Water Research Institute*



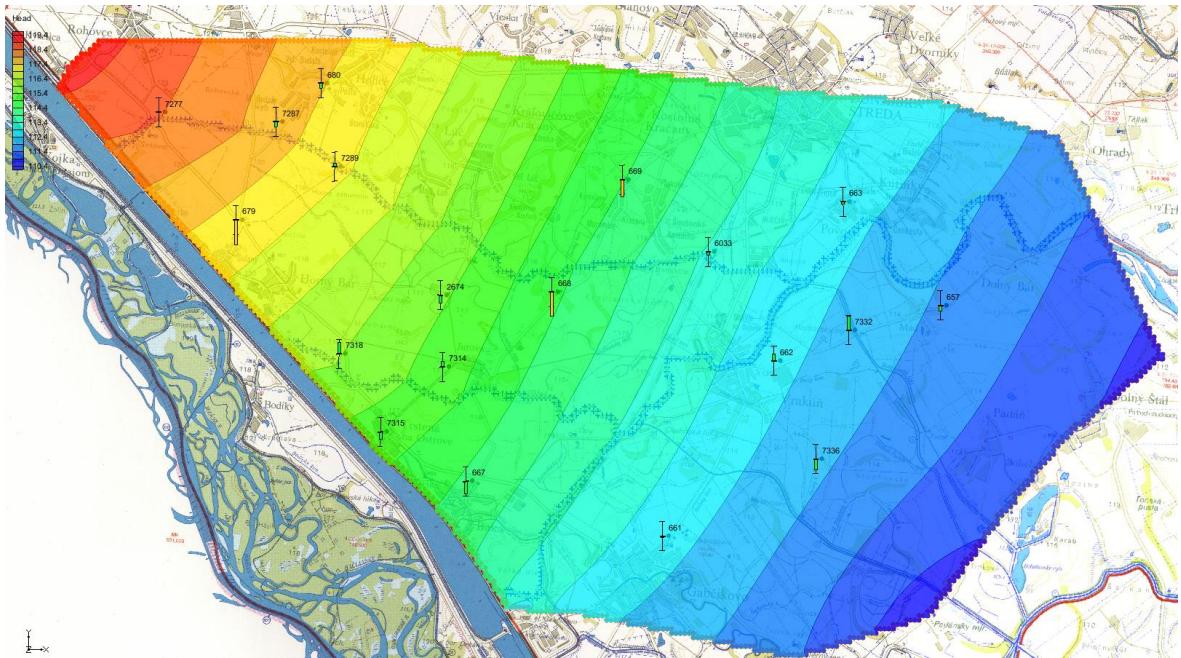
CURRENT STATUS OF PILOT ACTIVITIES

Measured water level in channels in m a.s.l.(1.5.2021)

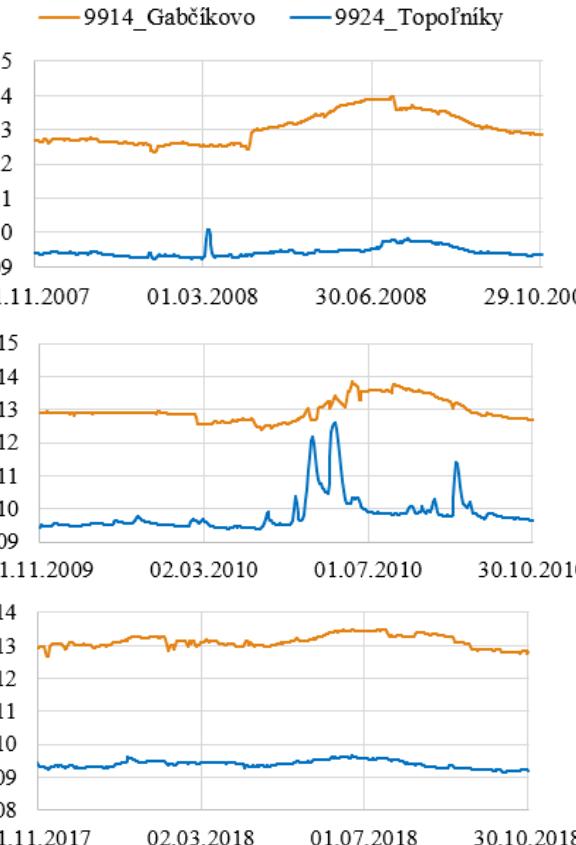


MODFLOW MODEL

First modelled output - groundwater tables (m a.s.l.) - May/Sep 2010



TAKIN



ACTIVITIES...

Done so far:

D.T.3.2.5 Common methodological guidance for DEEPWATER-CE MAR pilot feasibility studies

D.T.3.5.1 Report on the desk analysis of the pilot feasibility study for MAR deployment in porous aquifers in areas used for agricultural purposes

Upcoming:

- ❑ Finish fieldwork and mathematical modelling (Modflow + Hydrus 2D)
- ❑ Prepare site characterization + risk management
- ❑ Provide inputs to Cost-Benefit Analysis + Environmental Impact Assessment
- ❑ Compile feasibility study
- ❑ ...and WTP4 „Development of policy recommendations and national action plans“



Thank you for your kind attention

<https://www.interreg-central.eu/Content.Node/DEEPWATER-CE.html>

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