Output factsheet: Training

Version 1

Project index number and acronym	CE32 - AMIIGA
Lead partner	Central Mining Institute (Główny Instytut Górnictwa)
Output number and title	O.T1.3 – Trans-regio. & cross-sectoral capacity building by trainings & internships for collective tools development
Responsible partner (PP name and number)	PP7-Polytechnic of Milan (POLIMI)
Project website	http://www.interreg-central.eu/Content.Node/AMIIGA.html
Delivery date	08.2019

Summary description of the implemented training measure(s), explaining the specific goal(s) and target groups

The training held in Milan, concerning deliverable D.T1.5.3, was served as support to develop mathematical model (D.T1.1.3) and for amending FOKS tools within AMIIGA project. This training was served in order to help some PPs to approach groundwater modelling and solve some mathematical implementation issue.
The involved target groups were mainly higher education and research (PoliMI, GIG, RL).
The training was held on 13-14 February 2018 (full day session on the 13th and half day on 14th) in a room in Civil and Environmental Department (Leonardo da Vinci square, Milan). About 8 persons attended the training.

NUTS region(s) where training(s) have been conducted (relevant NUTS level)

This training has been conducted in NUTS 3 – ITC4C– city of Milano.

Expected impact and benefits of the trainings for the concerned territories and target groups

The training was very useful to help the partners project to implement the groundwater model for a specific pilot action. PPs were satisfied to discuss about the most common problem in the development of model: 1) conceptual model (vertical and horizontal discretization) 2) Boundary conditions and 3) hydraulic parameters (e.g. hydraulic conductivity). Moreover, in the 14th February, it was provided a half day to discuss about the possibility of using CSIA link to the IPT tool expanding the MAGIC software tool (previously developed as FOKS tool) for CSIA data addition. This empowerment will be useful to characterize plume by coupling CSIA and IPT.

Sustainability of the training(s) and developed training material(s) and their transferability to other territories and stakeholders

The training held in Milan consisted on a round table to discuss about groundwater modeling development in a specific pilot area: the discussion was done with a presentation of the hydro-geological setting in the Jaworzno site. The discussion can be basic for development a groundwater modelling for anyone pilot area. Some questions such as the conceptual model (vertical and horizontal discretization), the boundary conditions (Constant head, River) and internal conditions (hydraulic parameters and pumping) are the fundamentals for a correct implementation of the model and every modelers have to solve during their developing model.
The discussion followed during presentation can be useful for several target groups i.e. national public authorities, sectoral agency and regional public authority within the INTERREG countries. Material include presentation and the guideline.

Lessons learned from the development and implementation of training measures and added value of transnational cooperation

The training held in Milan was very useful to share more recent modelling experiences between PPs under a transnational cooperation. The implementation of training was very useful to discuss and compare different case studies in the groundwater models experience. A transnational coordination and comparison of different groundwater problems is the aim of the project; in order to combine different approaches and methodologies, the training was useful for solve model development of groundwater with expertise modelers of different countries.

References to relevant deliverables and web-links
If applicable, pictures or images to be provided as annex

D.T1.5.3 Training for FOKS amended/upgraded & harmonized tools development & implementation
D.T1.1.3 Guideline for implementation and use “GW contamination modeling at FUA: “Inverse iterative modeling”
D.T1.4.1 IPT coupled with CSIA: amendment in the MAGIC software tool to include CSIA application

Annex I (pdf format is attached)

Output factsheet: Annex I

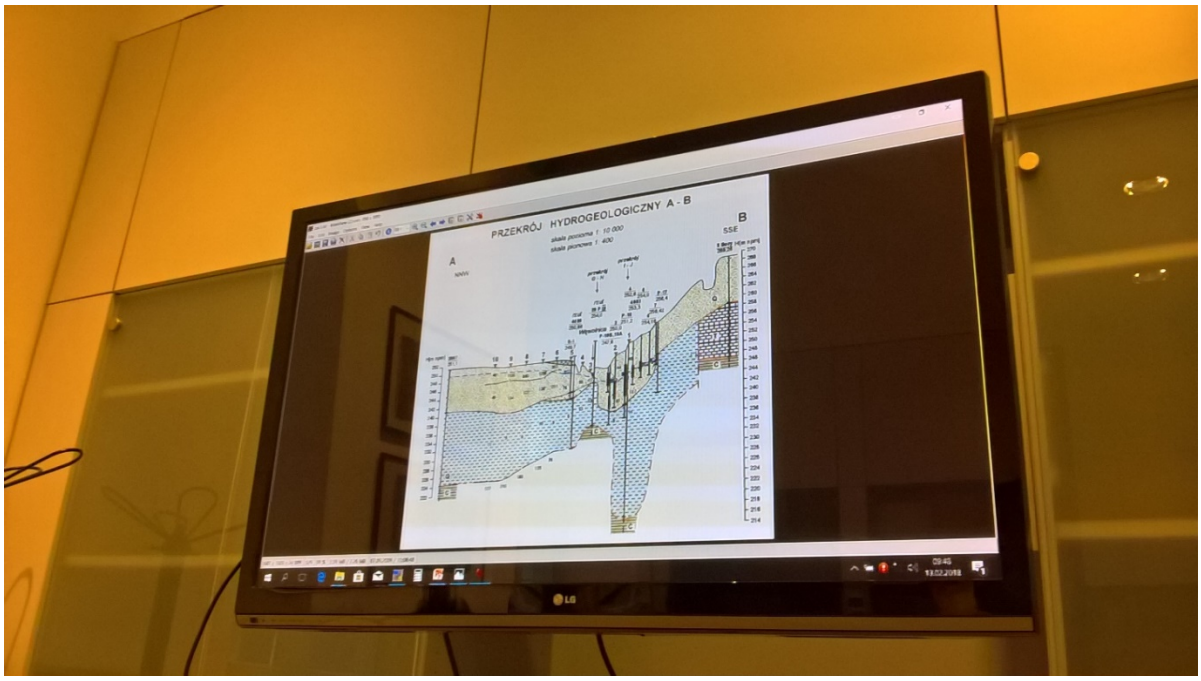

Figure 1 – Cross-section in Jaworzno site (N-S)

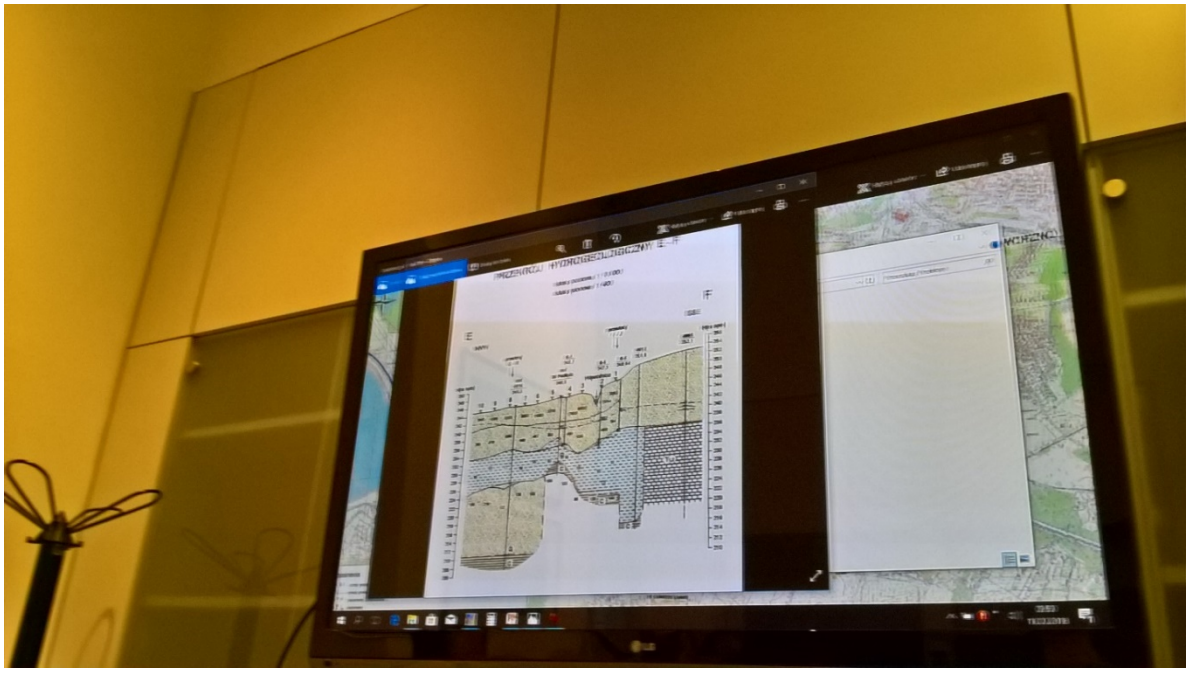

Figure 2 – Cross-section in Jaworzno site (W-E)

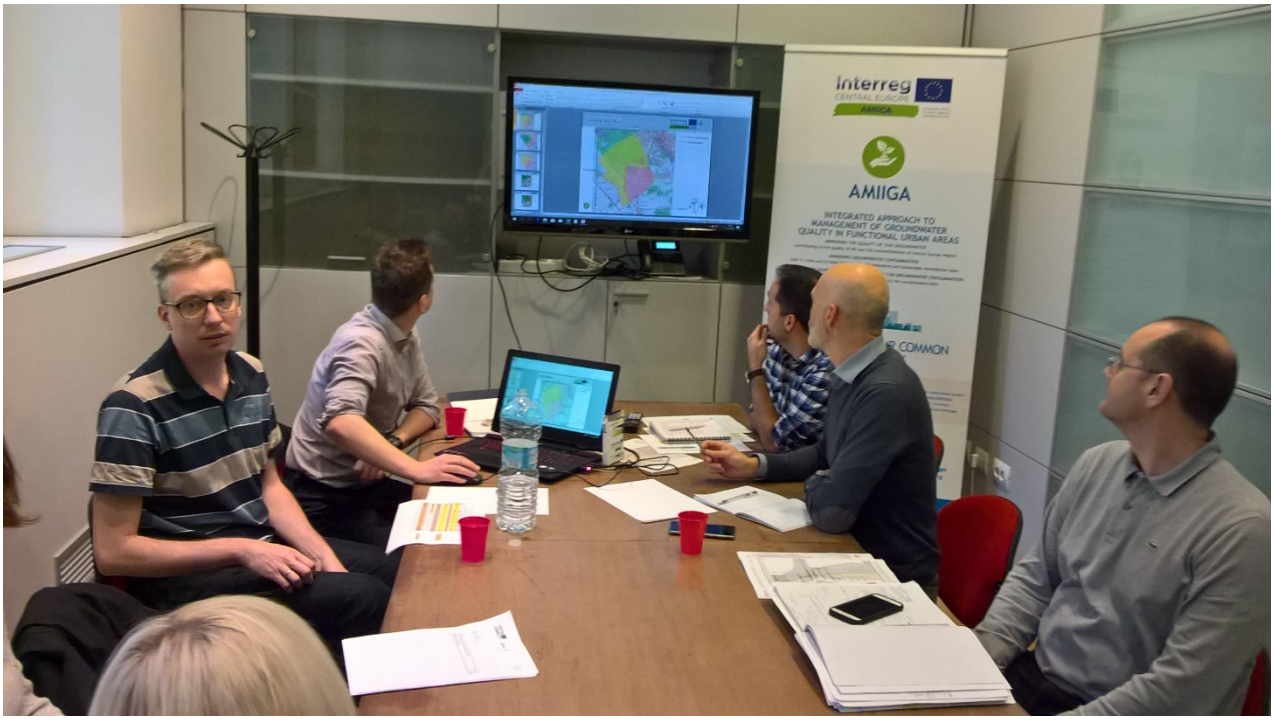

Figure 3 – Round table with PPs involved (PP1, PP6, PP7, PP8): groundwater discussion

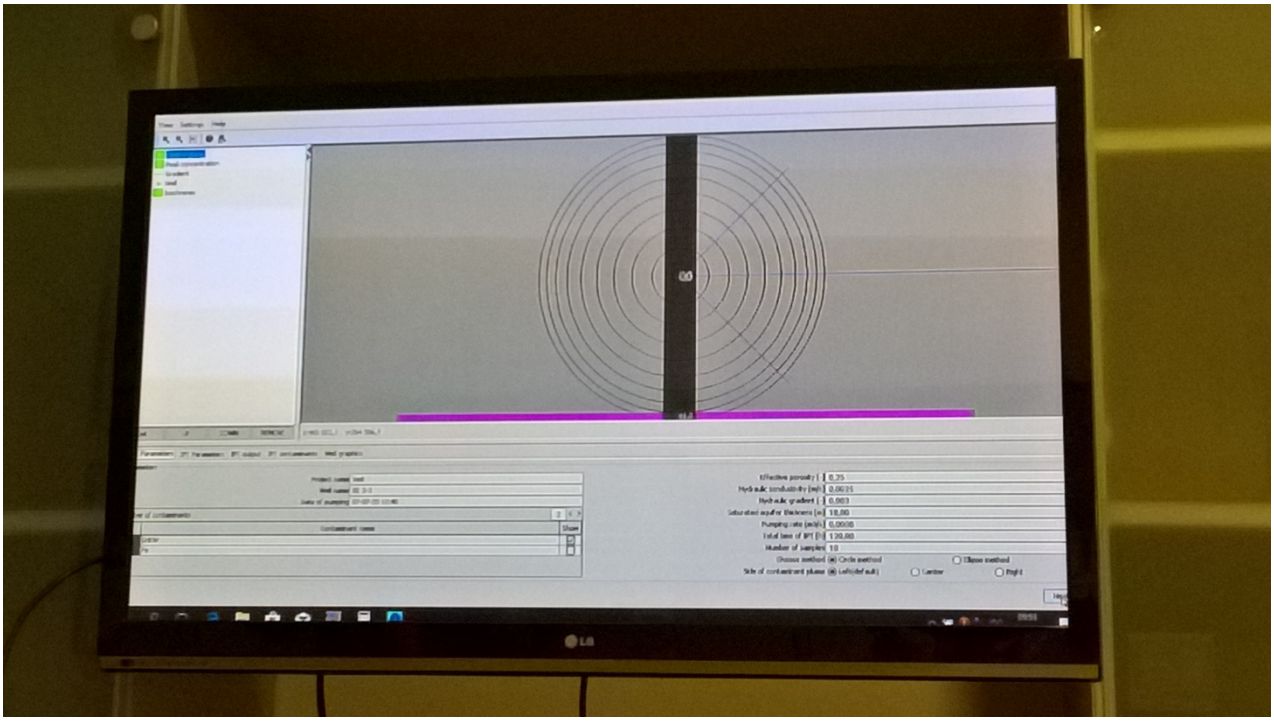

Figure 4 – Round table with PPs involved (PP1, PP7): MAGIC Software discussion for CSIA data addition

Figure 5 – Round table with PPs involved (PP1, PP7): MAGIC Software discussion for CSIA data addition