Output factsheet: Internship

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 internship measure(s), explaining the specific goal(s) and target groups

The internship held Ljubljana, concerning deliverable D.T1.5.3, was served as platform for tools & guideline of the inverse iterative groundwater model (D.T1.1.3). This internship was served in order to present to PPs the importance to approach modelling within a probabilistic framework. Using inverse modelling, it will be possible to assess the most probable area linked to diffuse contamination. The involved target groups were higher education and research (PoliMI, TUL, GIG, GeoZS, GF, LHS), infrastructure and public service provider (JP VO-KA).
The internship was held on 17 May 2017 (in the morning 9.00-13.00) in a room in Geological Survey of Slovenia building (Dimiceva ulica 14, Ljubljana). About 17 persons attended the internship.

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

The internship was held in Slovenia (NUTS 0) in the region of Zahodna Slovenija (NUTS 2).

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

The internship was very useful to present the importance to use inverse modelling during the project for the specific pilot action. PPs were satisfied to know such methodology and they were interested to apply it on their specific pilot action. Several benefits could be reached: find sources into pilot action with a certain probability of occurrence, apply stochastic approach in order to consider the uncertainties of the parameters into the modelling during calibration step and compare the same methodology in different pilot action. Target group for this internship included PPs and some infrastructure/public service provider

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

The internship held in Ljubljana consisted on a presentation with a brief illustration of the potentiality of the inverse methodology with 2 case studies, previously implemented by PP7: particle backtracking under parameter uncertainties (i.e. hydraulic conductivity) and areas with higher mass release frequency of occurrence. The discussion followed after 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 presentations and the guideline available online.

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

The internship held in Ljubljana was very useful to share more recent modelling experiences between PPs under a transnational cooperation. The implementation of internship was very useful to discuss not only about models developed by other PPs for their specific pilot actions but also about the innovative technique of inverse modelling within a probabilistic framework. Discussion and comparison of different case studies have been very useful to modelers in reason to solve some problems during the modelling development.

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

D.T1.5.3 Internship 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”

Annex I (pdf format is attached)

Output factsheet: Annex I