



CONTACT

+36 30 961 7502

takacs.katalin@rissac.hu

EDUCATION

PhD in earth sciences

Eötvös Loránd University, Doctoral
School of Earth Sciences
2008–2011, year of degree: 2016

MSc in geography, specialized in environmental geography and hydrology

Eötvös Loránd University, Faculty of
Science
2003–2008

SKILLS

Language skills:

 B2  B2  A2

GIS, satellite image and data analysis:



Graphic:



Teaching:

- hydrogeography practice (ELTE BSc in geography I., 2010–2015)
- computer-aided presentation techniques (ELTE BSc in geography II., 2010–2011)
- astronomical geography practice (ELTE BSc in geography I., 2009–2012)
- physical geography field practice (ELTE BSc in geography II., 2009–2012)

Katalin Takács

MTMT: 10039830

ORCID: 0000-0002-3021-3707

Scopus ID: 56263613200

WORK EXPERIENCES

research fellow 2016–

Institute for Soil Sciences, Centre for Agricultural Research, ELKH,
Department of Soil Mapping and Environmental Informatics

research assistant 2013–2016

**Institute for Soil Sciences and Agricultural Chemistry, MTA Centre for
Agricultural Research,**
Department of Environmental Informatics

database editor, quality management officer 2011–2013

GeoAdat Kft.

trainee 2010–2011

GeoAdat Kft.

PROJECTS

HUN-SoilHydroGrids, NATASA database (National Laboratory for Water Science and Water Security, 2022–)

Danube Data Cube (ESA, 2021–2023)

Optimization of the large-scale mapping of salt-affected soils under different land uses (OTKA K-124290, 2017–2023)

Development of new methodology for 3D soil hydraulic property mapping and testing its application on the catchment of Lake Balaton (OTKA KH-124765, 2017–2019)

Analyses and integration of spatial and thematic properties of soil maps and databases for the compilation of countrywide, digital soil maps (OTKA K-105167, 2013–2016)

Delineation of “Areas with Natural Constraints” in Hungary (2015)

Assessment of possibilities and conditions of irrigation in Hungary by digital soil map products (2015)

Integrated spatial assessment of inland excess water hazard on the Great Hungarian Plain (2014–2015)

Soil survey and mapping of Tokaj Wine region (2013–2015)

Preparation of a water resources management project to improve the water scarce ecological status of the Danube-Tisza Interfluve (2014)

Digitising and integrating electricity and telecommunication network (Mainz, 2012–2013)

Control of area-related agricultural subsidies (area aids) with remote sensing and on-the-spot checks (Brandenburg, Saarland, 2011, 2012, 2013)

Quality control of digital database of gas network in South Danube Region (E.ON, 2012)

Earth observation knowledge and technology dissemination in Hungary (ESA-PECS, 2010–2011)