

PROJECTS

Random selection of recent projects at
the department of Geography

9 JULY 2025

Department of Geography

Restore-Connect - Restoring Connectivity and Landscape Coherence

LANDSCAPE & PEOPLE

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HBIM model of the church of Saint Barbara in Bois du Luc

EARTH OBSERVATION & SURVEYING

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Landscape Character Assessments In Urban Areas

LANDSCAPE & PEOPLE

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Modelling of the Scene Complexity of Navigation Environments and Visual Areas of Interest for Egocentric Pedestrian Navigation Systems Using Street-View Panoramas

GI SCIENCE & TECHNOLOGY

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The response of groundwater levels to climate change and anthropogenic activities in arid regions: A case study in the Amu Darya Delta

EARTH OBSERVATION & SURVEYING

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MiLAND - The impact of migration on landscape identity in an urban and a rural context

LANDSCAPE & PEOPLE

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The Thermal Geography of Cities: Using Remote Sensing to Analyze Urban Morphology and Heat Islands

EARTH OBSERVATION & SURVEYING

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Virtual interlining in the European airport network and the quest for new datasets in air transport geography

CITY & MOBILITY

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Capturing geomorphic change in high mountain environments using close-range sensing techniques (Swiss Alps)

CLIMATE & EARTH

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Heavy metal pollution assessment using big data technology in mining areas in Xinjiang

EARTH OBSERVATION & SURVEYING

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Sand and Dust Storms Identification and Risk Mapping in arid Central Asia

EARTH OBSERVATION & SURVEYING

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Adaptive Mobile Indoor Route Guidance - The Next Big Step

GI SCIENCE & TECHNOLOGY

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Optimising daily police patrol: Towards better matching police supply and demand by directing police in space and time

CITY & MOBILITY

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THE HAPPY TRAVELER - Connecting undirected trips to travel satisfaction, positive utility, and subjective well-being

CITY & MOBILITY

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Towards a methodology for landscape characterisation in Flanders

LANDSCAPE & PEOPLE

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Investigating the provenance of sediment in the Lake Tana Basin, Ethiopia (UGent BOF)

CLIMATE & EARTH

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[A Climate resilient future for the Lake Tana Development Corridor: The Bahir Dar University IUC project - Phase II \(VLIR-UOS IUC\)](#)

CLIMATE & EARTH

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Supporting early-warning systems and nature-based solutions using opportunistic rainfall monitoring in Rwanda (VLIR-UOS TEAM)

CLIMATE & EARTH

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Attribute Trajectory Analysis: Analyzing the Dynamics of Non-Spatial Data as Trajectories

GI SCIENCE & TECHNOLOGY

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[What does landscape mean to people? Investigating the holistic human-environmental relationship](#)

LANDSCAPE & PEOPLE

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Smart crowd security management through adaptive routing

GI SCIENCE & TECHNOLOGY

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Integrating public transport and spatial development: Identifying opportunities drawing on node-place modeling

CITY & MOBILITY

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EURECA: Finding traces of European culture in archive collections and investigating cultural differences through social media data

GI SCIENCE & TECHNOLOGY

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Investigating the socio-hydrological resilience of farmer-led irrigation in Ethiopia and Ghana (FWO Senior Postdoc)

CLIMATE & EARTH

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Impact of River Regulation on Downstream Socio-Hydrologic Systems in Ethiopia

CLIMATE & EARTH

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A global analysis of polycentric urban regions

CITY & MOBILITY

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[Quantifying resilience of traditional smallholder farming systems and natural resources in the context of conflict and war: a case study of Northern Ethiopia \(VLIR-UOS SI\)](#)

CLIMATE & EARTH

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Development and evaluation of physical parametrisations in climate models for the tropics (Ph.D. UGent BOF)

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[Survey Cycling in the dark and dark](#)

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