



Prof. dr. Tim Van de Voorde

Remote Sensing & GeoAI

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Tim Van de Voorde is a geospatial scientist whose research focuses on remote sensing and GeoAI for the study and management of natural and built environments. He develops, refines and applies methods for understanding landscape changes, urban morphology, and environmental properties, including biophysical parameters and their temporal dynamics, with an emphasis on integrating satellite data and spatial analysis. Much of his work explores landscape dynamics and environmental changes in regions such as Central Asia and Europe, in close collaboration with PhD students and other researchers.

His interests also include the application of remote sensing and AI to archaeology, such as projects on the detection of burial mounds and ancient irrigation systems. In addition, Tim investigates urban ecosystems, aiming to better understand urban morphology and landscape function using geospatial techniques. He continues to work on scalable AI-driven approaches for environmental monitoring and supports the development of new researchers in the field, engaging with projects on smart urban planning, land degradation, and resource efficiency.

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