



The impact of urbanization on tree-mycorrhizal interactions

Institute of Biology Leiden, Above-Belowground interactions group

Urbanization is a major threat to biodiversity, as it causes environmental stress like heat and nitrogen deposition and the fragmentation and loss of natural habitats. While research focuses on impact on biodiversity, little is known about the effects on species interactions. The symbiotic relationship between trees and soil microbes, mainly mycorrhizal fungi, is extremely important for tree growth and resilience against climate change.



This project aims to understand the impact urbanization on tree-mycorrhizal relationships. By combining fieldwork with lab-techniques, and data modelling, we want to find the drivers responsible for the impact on trees. Specifically, we would like to link variables predicted from maps to local soil properties.

Do you want to understand human impacts on ecosystems and prevent the loss of our green environment? **Join this interdisciplinary and enjoyable project and help to shape the future of urban ecosystem resilience!**

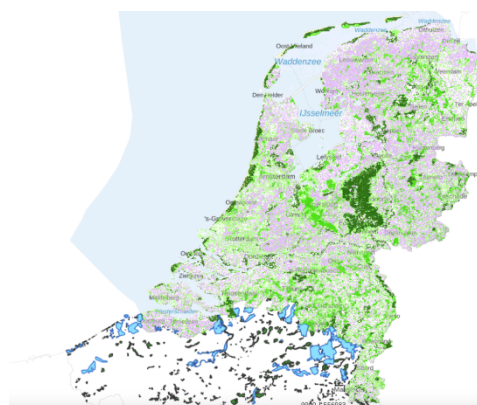
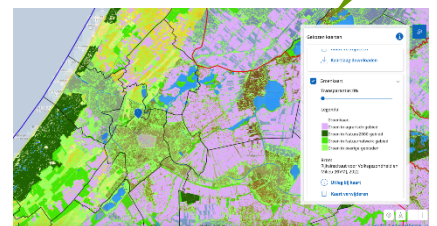
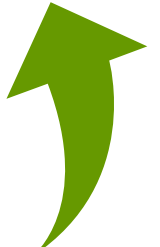
For questions and applications, please contact Inge by:

Supervisor: Inge van Frankenhuijzen

Level: Bachelor or Master

When to start: ~End of 2024 or beginning 2025

Contact: i.m.van.frankenhuijzen@biology.leidenuniv.nl



More information on the website: <https://www.above-belowgroundinteractions.com>