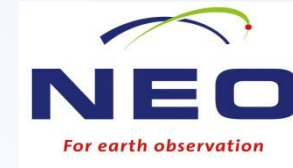# Urban tree registration and update

- User: governments (national, provinces, municipalities), utilities sector and urban planning
- Challenge: Trees and greenery play a vital role in our living environment. In addition, they keep the city cool thanks to shade and evaporation, improve air quality, dampen noise, and add biodiversity. They can also cause problems for infrastructure above and below the surface. By knowing the location of all trees, it becomes possible to analyze their impact on our environment.
- Initiative: Nationwide up to date tree register of all 120 million trees.
- Results: 1) technology to map and monitor all trees and landscape elements in the Netherlands. 2) The database contains tree crowns (including height, diameter and more) and tree stem positions for all individual trees 3) It is permanently updated using LiDAR, satellite imagery and crowd sourced data. 4) It is being actively used for all kinds of purposes, including synchronization with local tree databases, risk inventories and green studies.
- Service Provider: NEO BV

NEO mapping and monitoring services:
https://www.neo.nl/tree-registers/

Target 9.1: Develop quality, reliable, sustainable and resilient infrastructure, including regional and trans- border infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all.

Urban tree map

Urban trees