



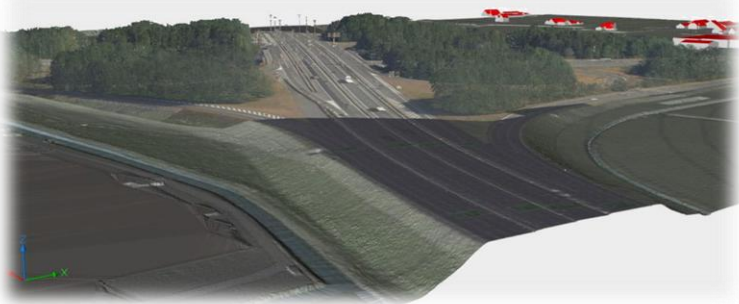
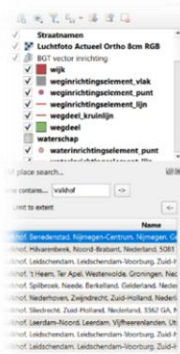
# Your project environment comes to life in 3D with Open Source tools!

Put GeoBim into practice with a results-oriented workshop as a perfect starting point for your project. During this workshop you will learn to use free available geodata specific from your country and need. We will create a highly detailed 3D model as site. You'll be introduced to various open-source software solutions, learn the techniques and understand characteristics of different datasets. The workshop covers working with a wide range of geodata including lidar scans and georeferenced IFC4 as a standard for BIM.

GIS analysis, point clouds processing, and open data are the three core components of the workshop. The end result will be an environmental model that can be used from the start of the BIM process. A perfect introduction to discovering what public data and open-source data have to offer.

## [Gis analyse \(Qgis\)](#)

- GIS Basics
- Dataset Characteristics
- Country specific aerial Photos in coordinates
- Working with road- and parcel Data
- Standard templates for project start
- Processing GIS Data in typical BIM software

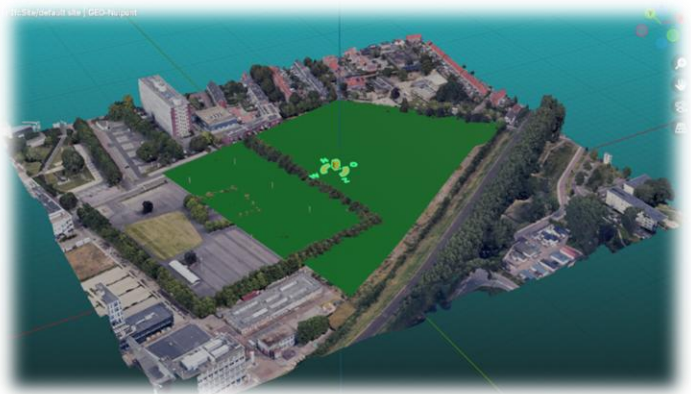


## [Pointclouds \(CloudCompare\)](#)

- Basic skills for handling large files
- Making DTM (3D digital terrain models)
- Using classification and color in lidar
- Cross-sections in vector format (DXF)

## [OpenBim \(Blender\)](#)

- City modeling NL3D
- Reality meshes:
- Dutch Kavel10 N3D, Google Earth 3D
- Georeferencing IFC files



*My name is Hans Lammerts, and I've been active as a designer in civil engineering and construction for over 20 years. I've developed into a specialist in creating 3D environmental models, combining the best in Geo- and BIM data techniques.*

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