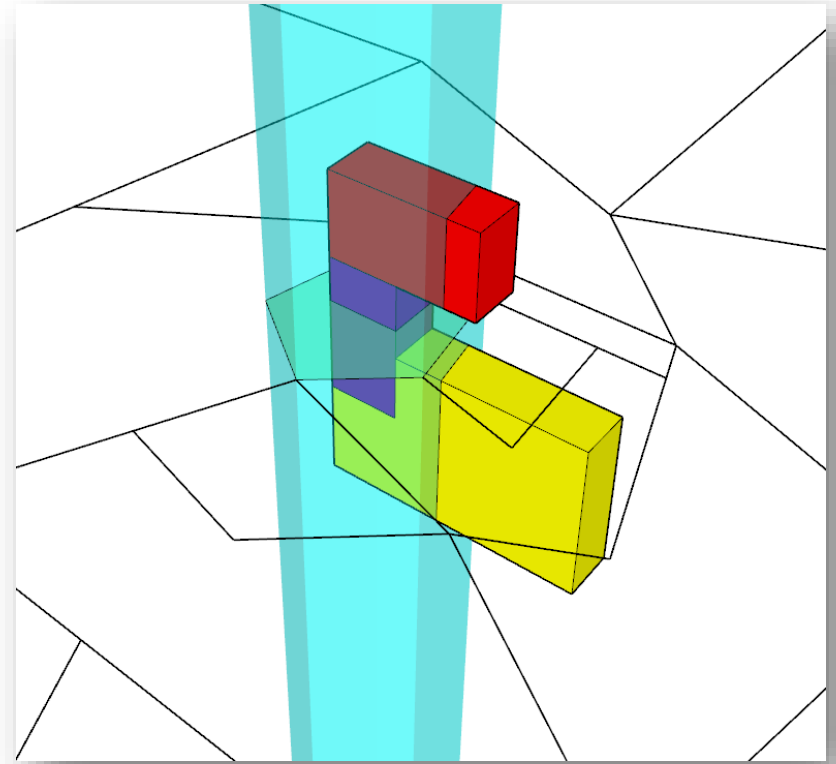
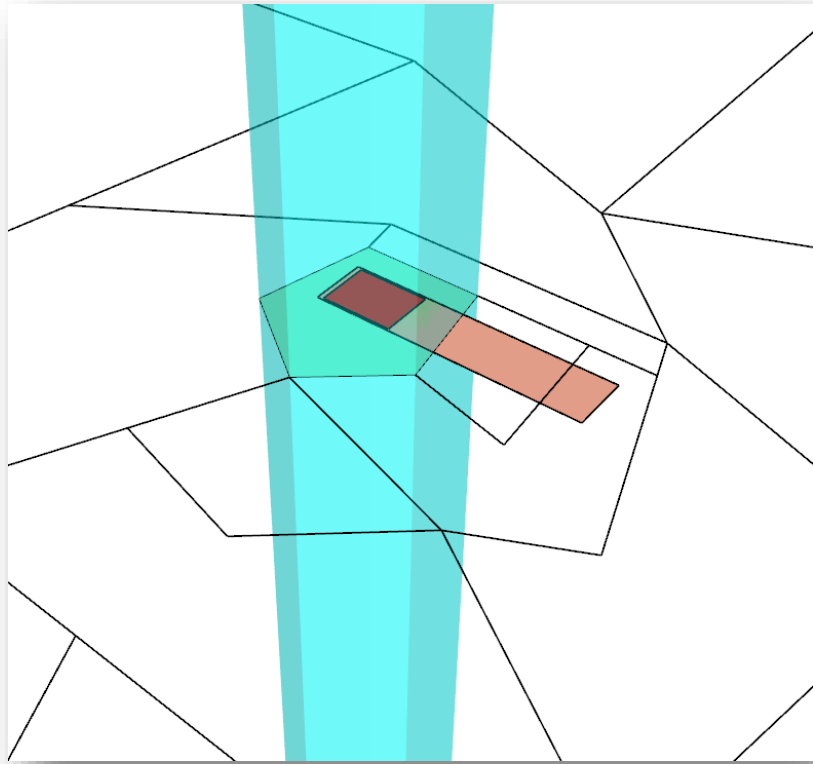


The Slovenian Building Cadastre as the Basis for a 3D Real Property Cadastre

JERNEJ TEKAVEC, MIRAN FERLAN,
URŠKA DREŠČEK, ANKA LISEC

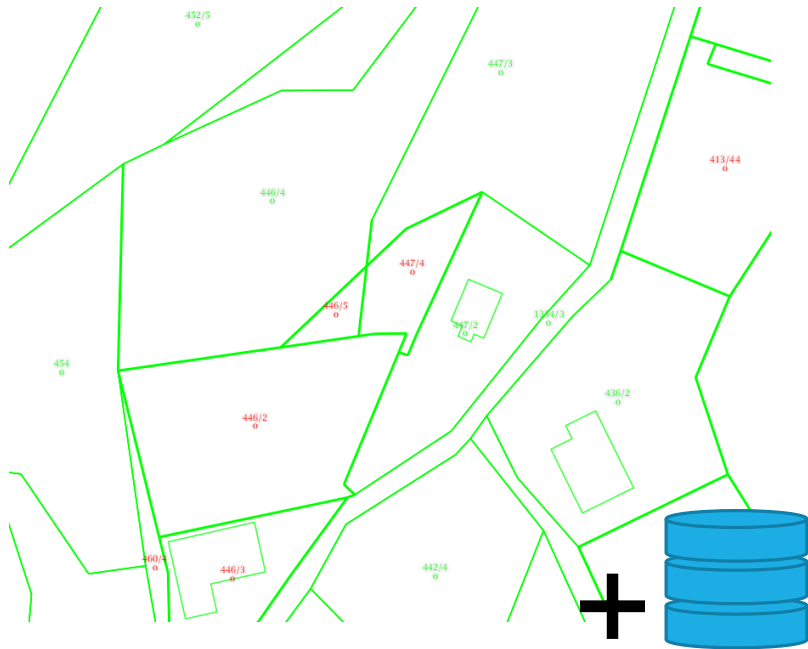
University of
Ljubljana
Faculty
*of Civil and Geodetic
Engineering*



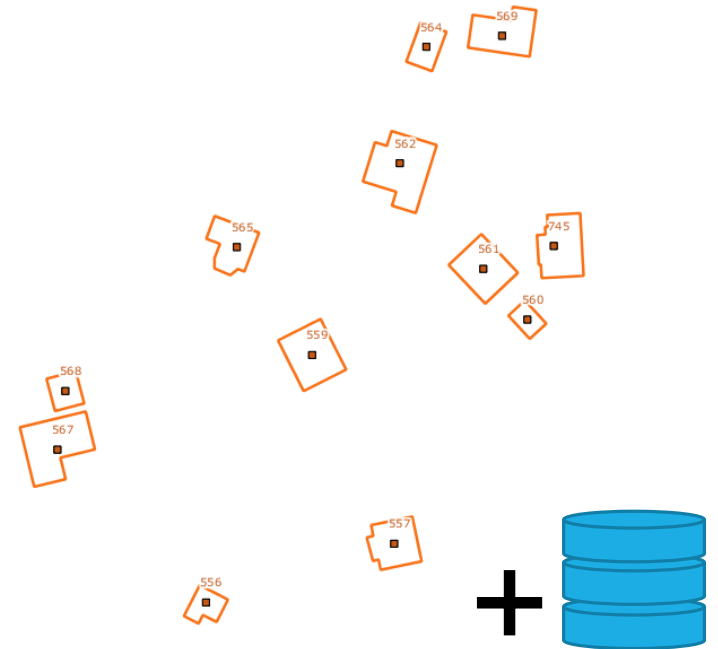


2D VS 3D REGISTRATION

Land Cadastre

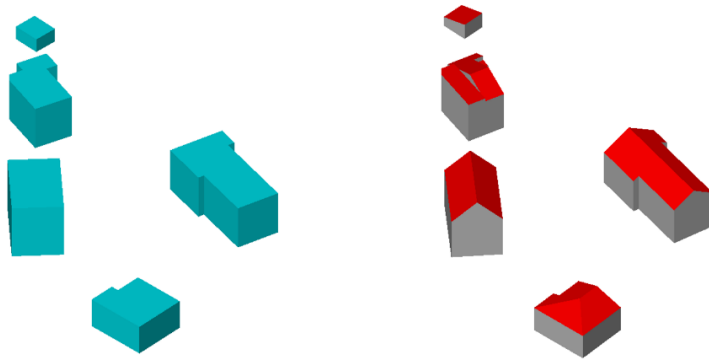


Building Cadastre

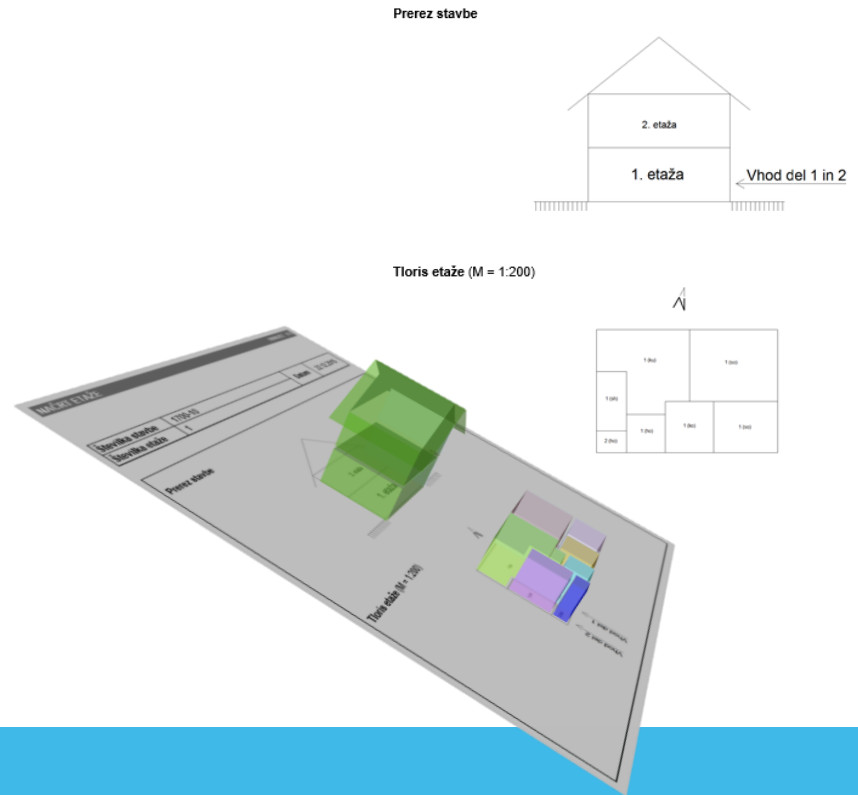


SLOVENIAN LAND
ADMINISTRATION SYSTEM

BUILDING EXTERIOR



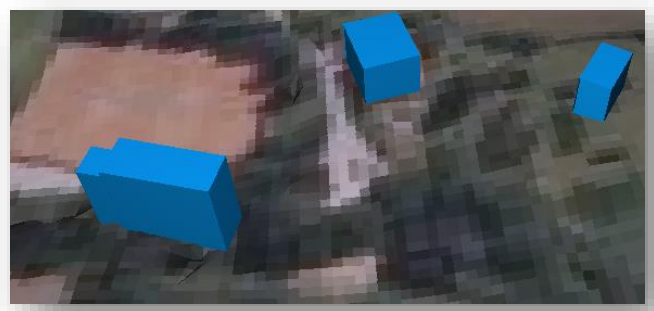
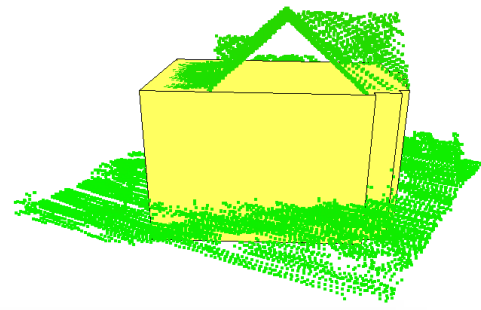
BUILDING INTERIOR



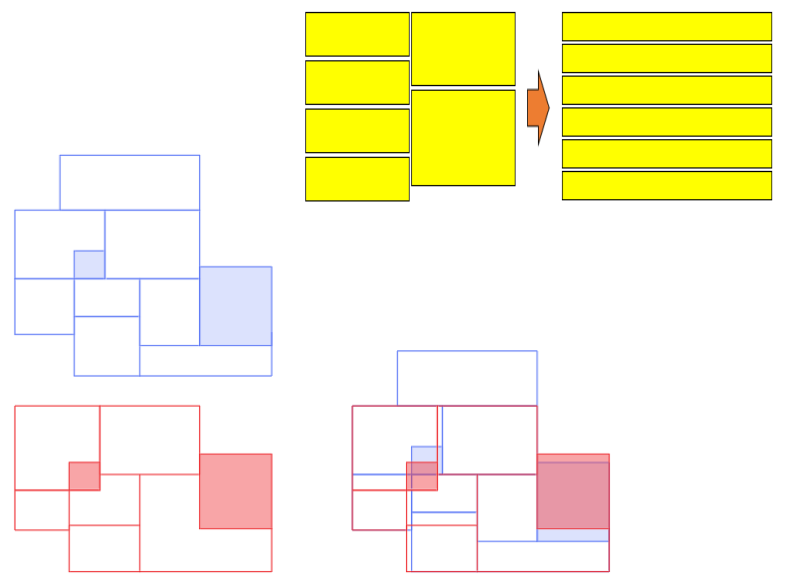
3D MODELLING OF
EXISTING CADASTRAL DATA

HOW?
WHY?

BUILDING EXTERIOR



BUILDING INTERIOR



ISSUES & PROBLEMS

CONCLUSIONS

- **MORE COMPLEX RESULTS REQUIRE MORE MANUAL INPUT**
- **DETAILED DATA AVAILABLE ONLY FOR REGISTERED BUILDINGS**
- **LACK OF FLOOR HEIGHT INFORMATION**
- **FLOOR PLANS NOT OBLIGATORY AND AVAILABLE ONLY AS RASTER IMAGES**
- **DATA NOT ACQUIRED AND REGISTERED WITH 3D MODELLING IN MIND**
- **BIG POTENTIAL OF THE REGISTRATION PROCESS**