

Computer Vision zur bildbasierten Geodatenerfassung

Projekt: Reconstruction of Landmarks

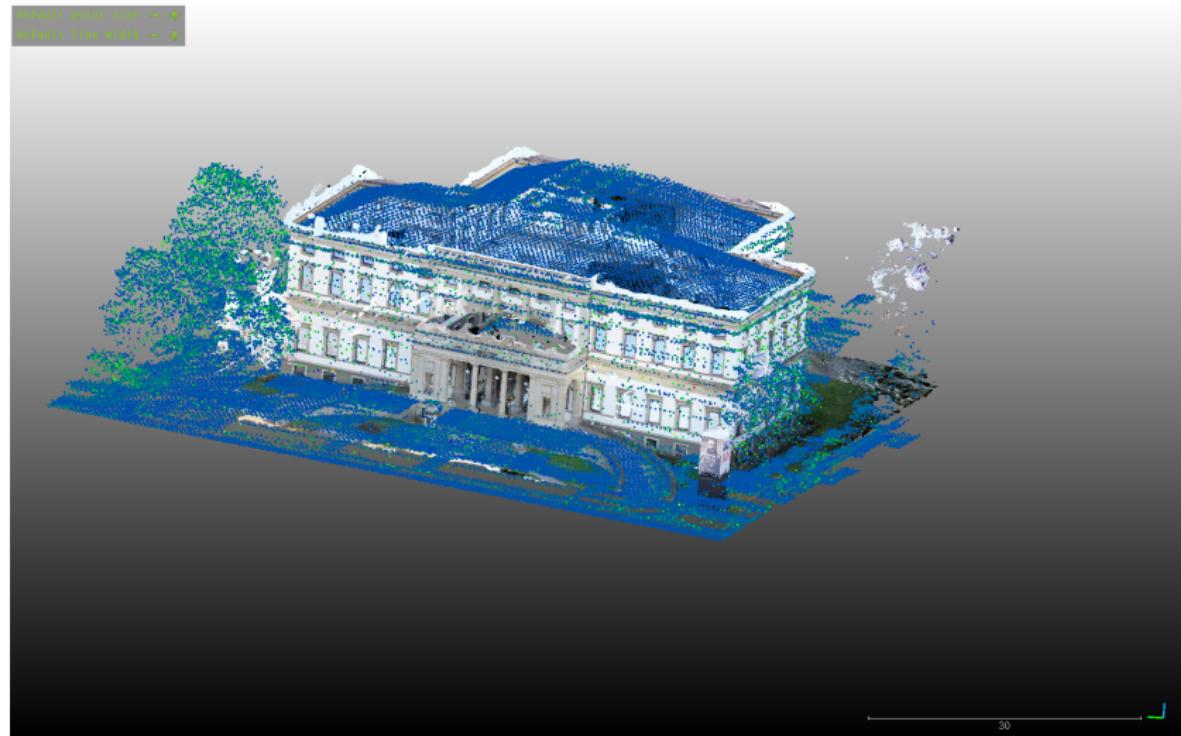
## **Phase 3: Co-registration of datasets and visualization**

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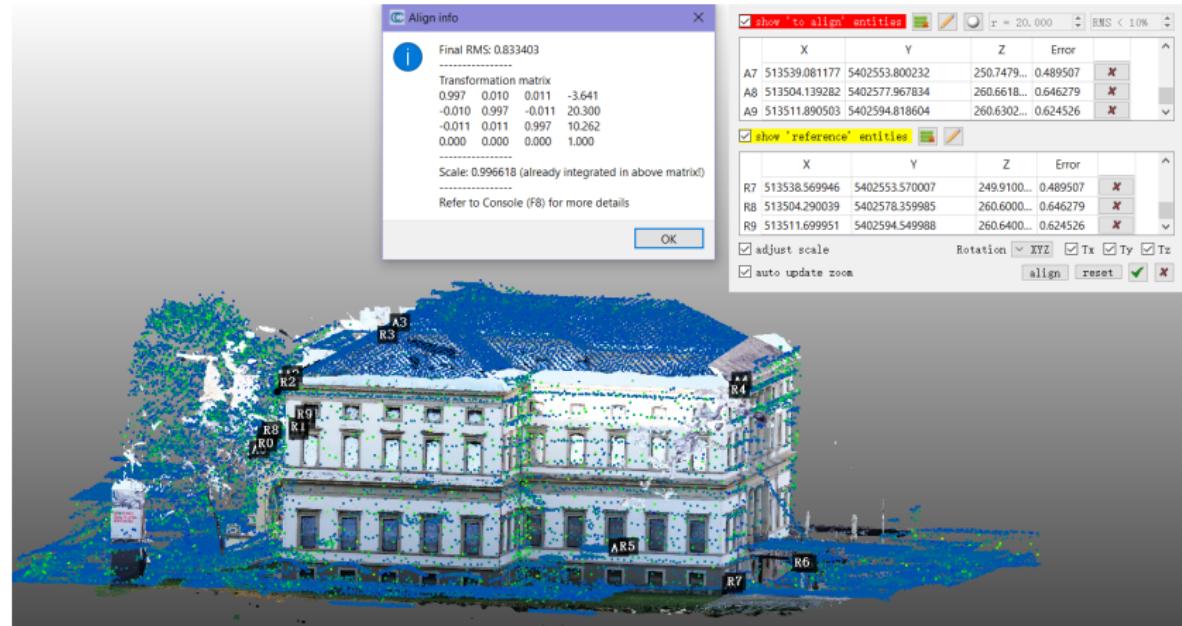
Stuttgart, December 2021



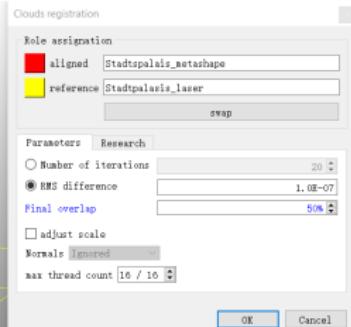
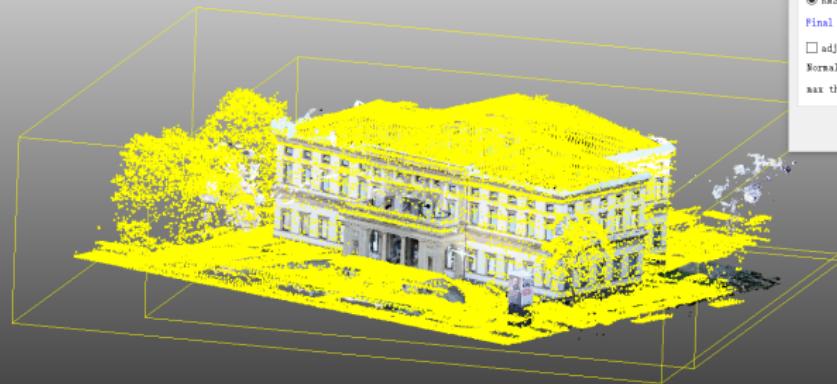
# Input: ALS Data + Metashape Objekt

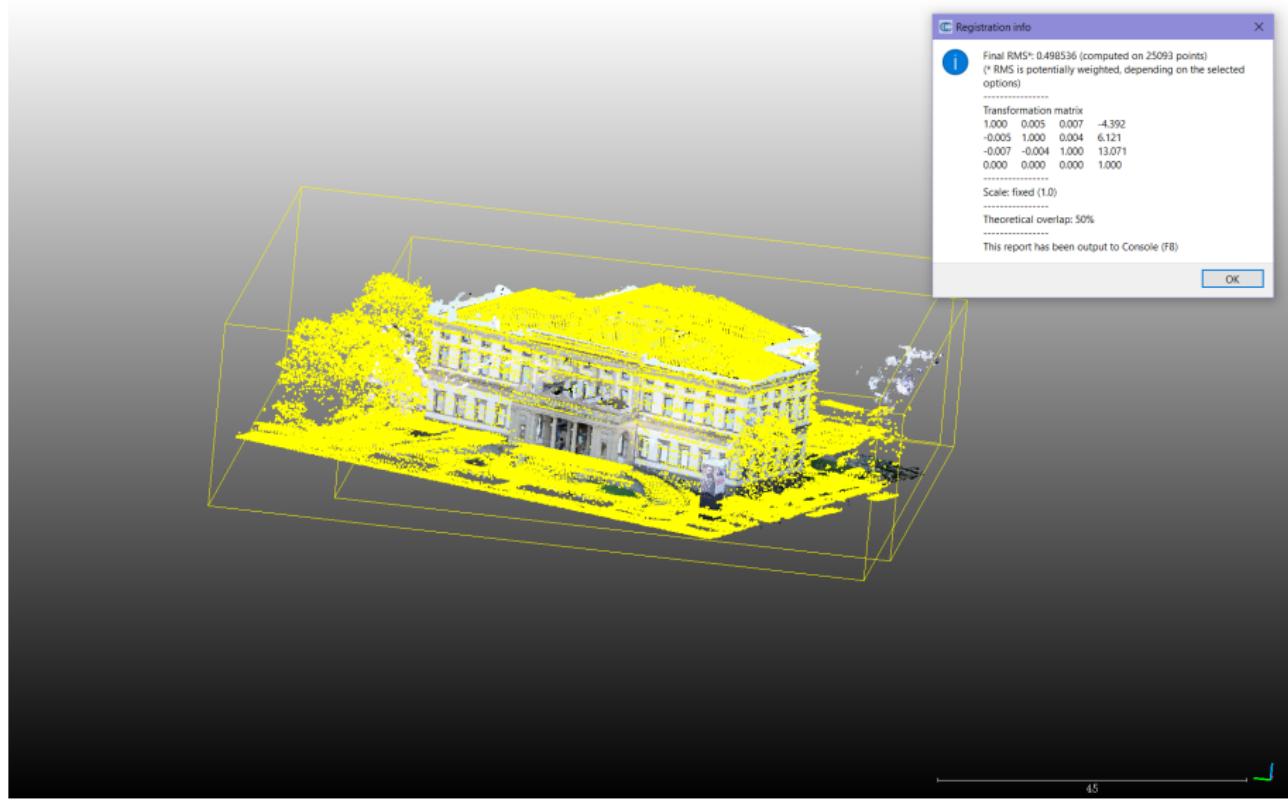


# Align clouds



default point size → ↘  
default line width → ↘





after ICP



# Distance

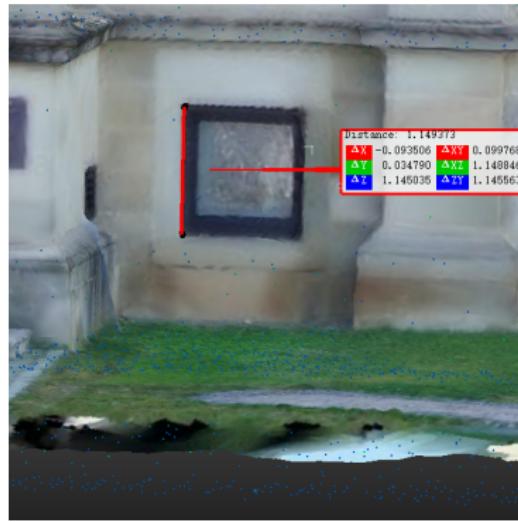


Figure: 1.14m in Realität



Figure: 1.01m in Realität

# How to handle different data types? (Point cloud vs. Mesh?)

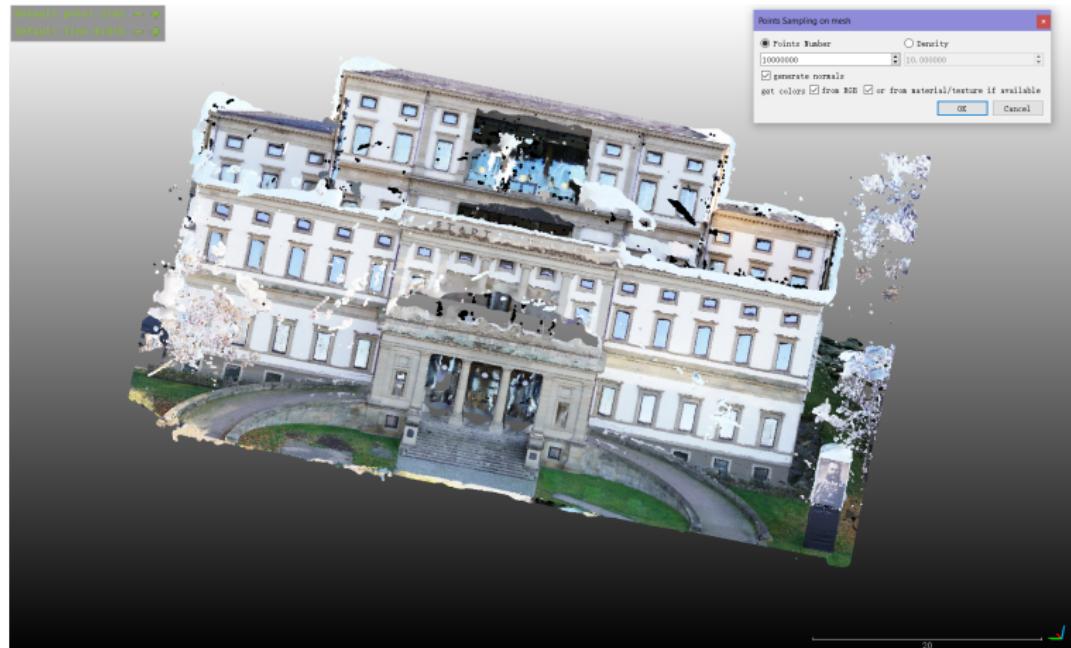
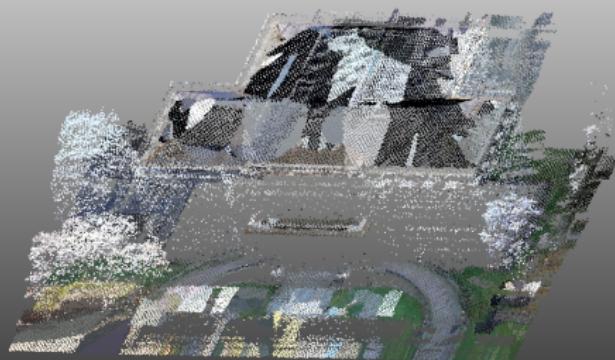


Figure: Sampling on mesh

## Transfer typical ALS features to RGB cloud



## Shading

default point size = +  
default line width = +

