



XXVII FIG CONGRESS

11-15 SEPTEMBER 2022
Warsaw, Poland

Volunteering
for the future –
Geospatial excellence
for a better living

Web-based presentation of multisensoral 3D data on the example of the Church of St. Augustine in Warsaw

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PLATINUM SPONSORS



Introduction



Data
acquisition



TLS data



UAV data



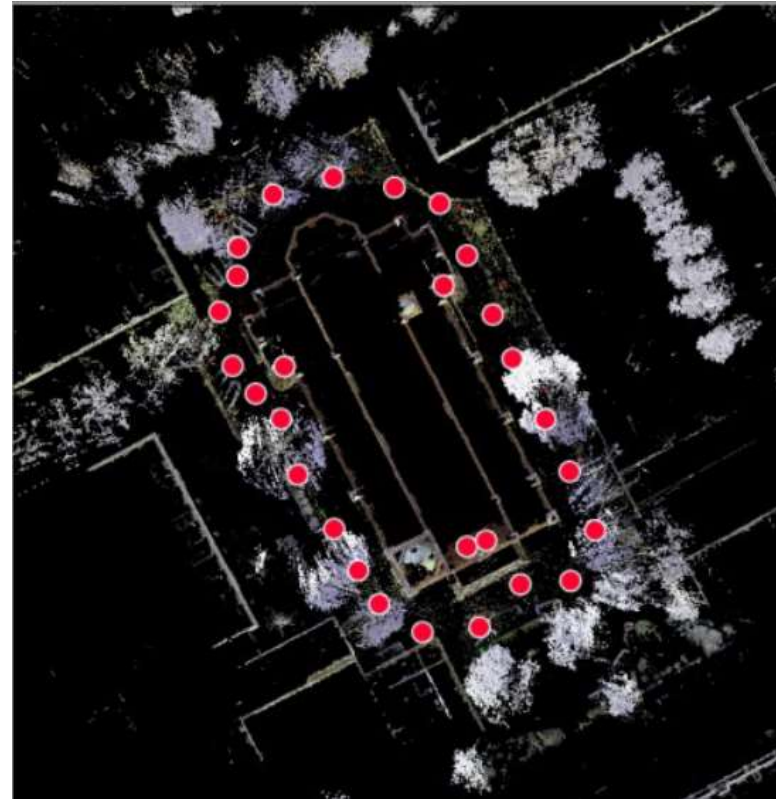
Combined model



Web application

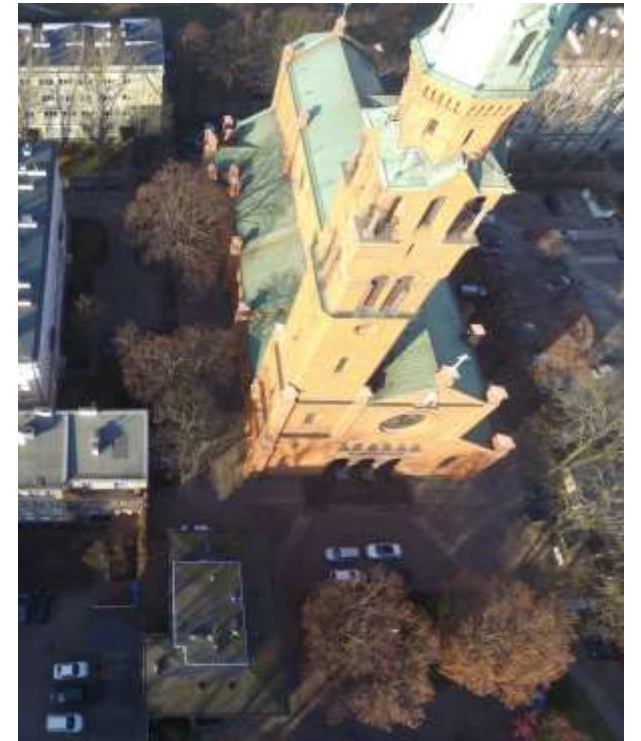
TLS data acquisition

- Leica RTC360
- 28 setups
- Medium resolution
(6mm@10m)
- Colored point cloud

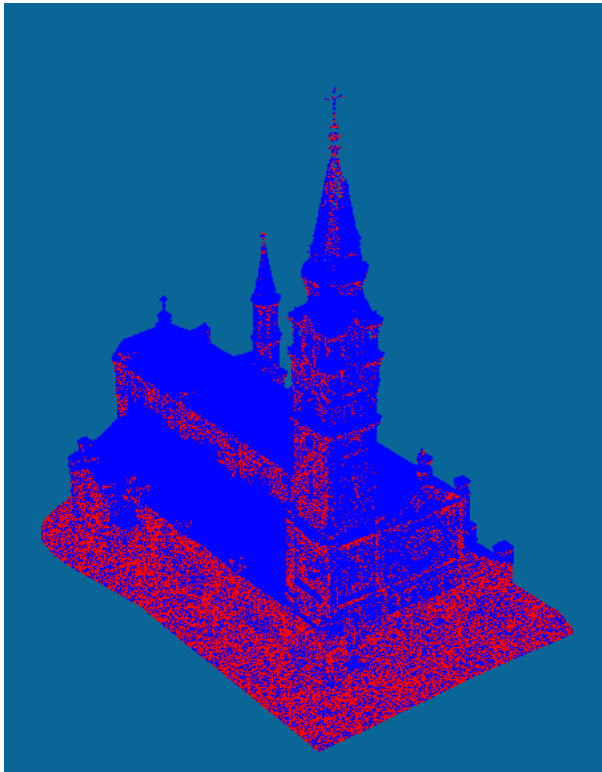


UAV data acquisition

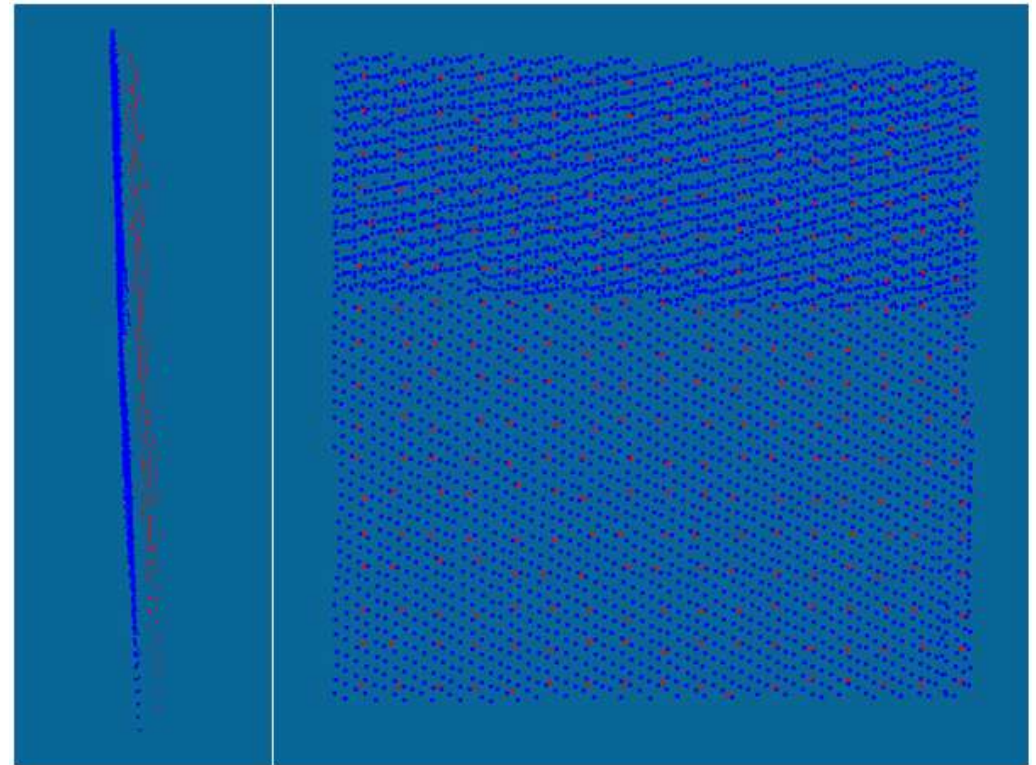
- DJI Phantom 3 Professional
- 519 photos
(123 nadir + 396 oblique)
- 13 GCP



Why both datasets?



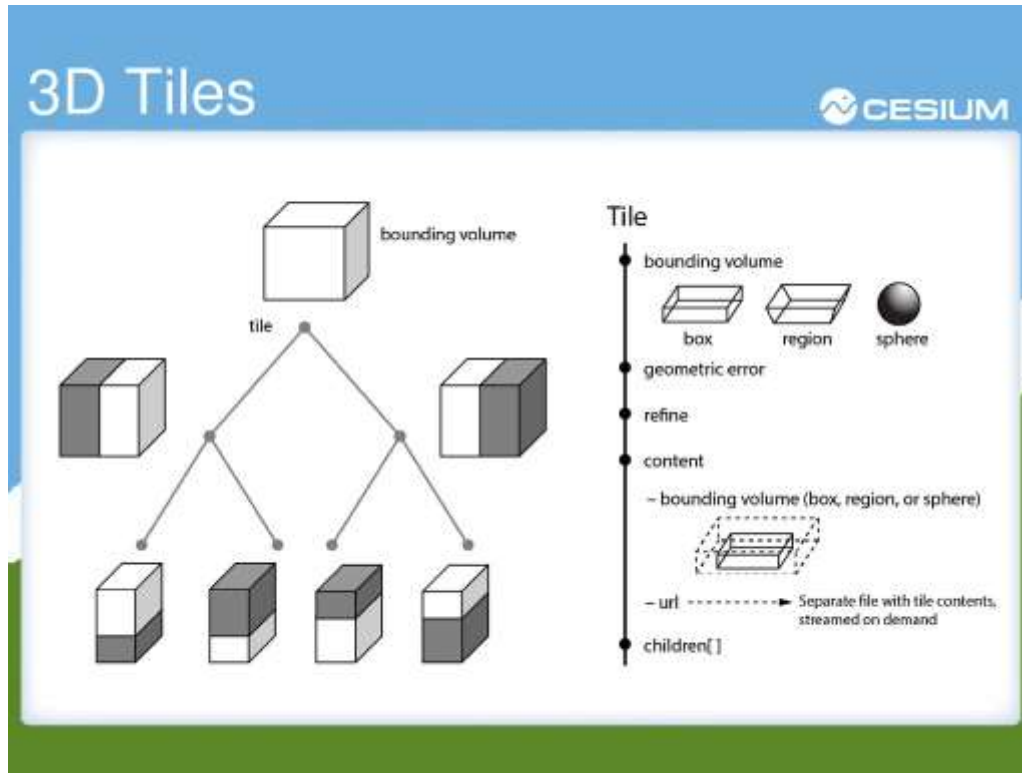
TLS – red
UAV - blue



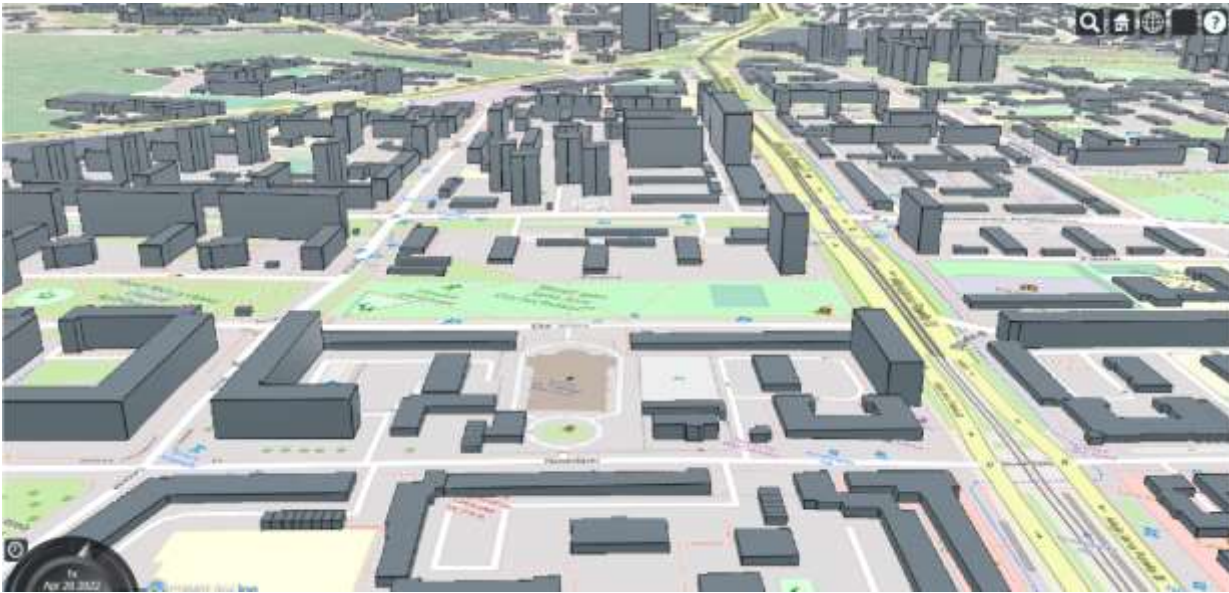
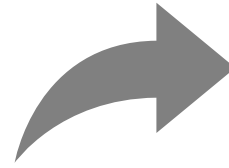
A little bit about data processing



CesiumJS



Web-based visualization



Thank you for your attention!

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