



XXVII FIG CONGRESS

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Volunteering
for the future –
Geospatial excellence
for a better living

Analysis of the Possibility of Automating the Photogrammetric Mission Planning for Unmanned Aerial Vehicle, Based on Data from Airborne Laser Scanning

Jakub GÓRKA
Warsaw University of Technology
Poland

ORGANISED BY



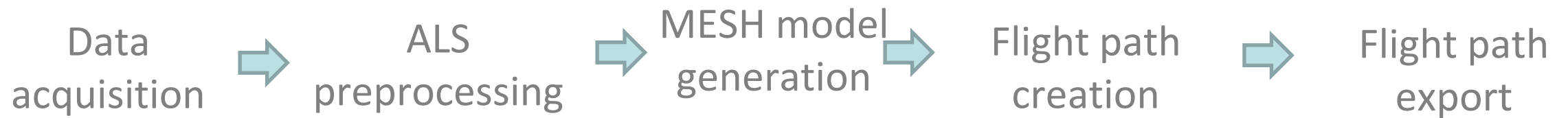
PLATINUM SPONSORS



Presentation plan

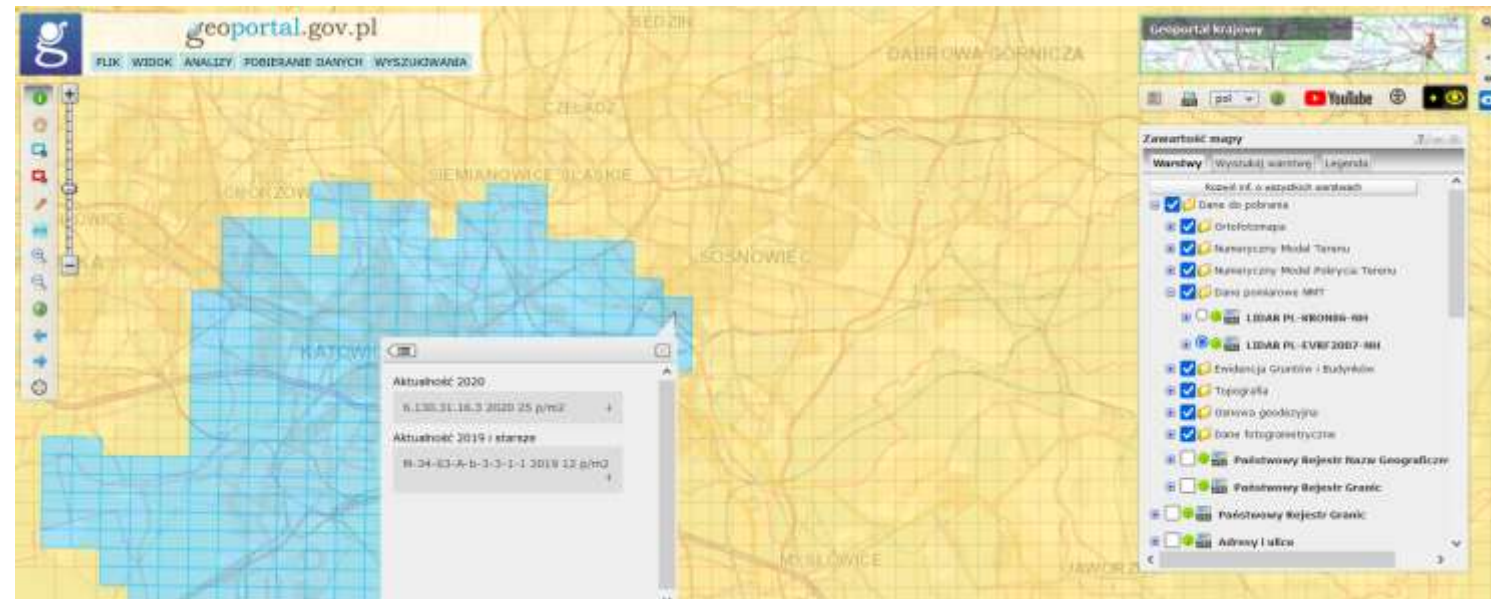
- Goals of the software
- Data acquisition
- Intermediate processing
- Creating flight plan

Program workflow



Data acquisition

- Geoportal.gov.pl
- ALS with density $>12p/m^2$
- Point classification
- Automating the proces with python



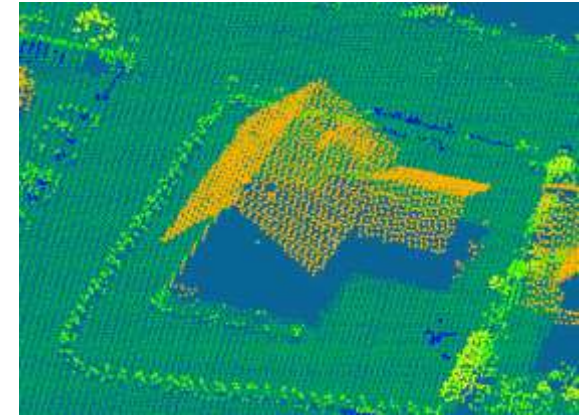
ALS data acquisition

Building
selection

LAS tile download, merging, AOI
extraction



Local point
cloud of AOI

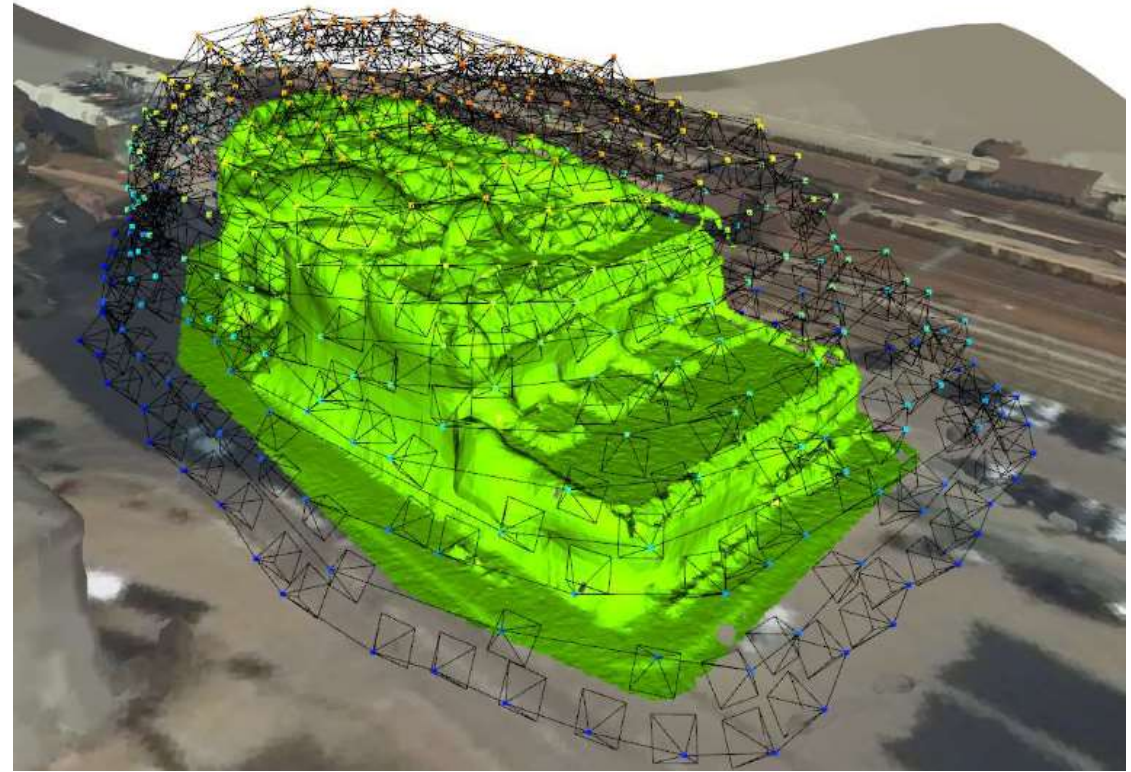
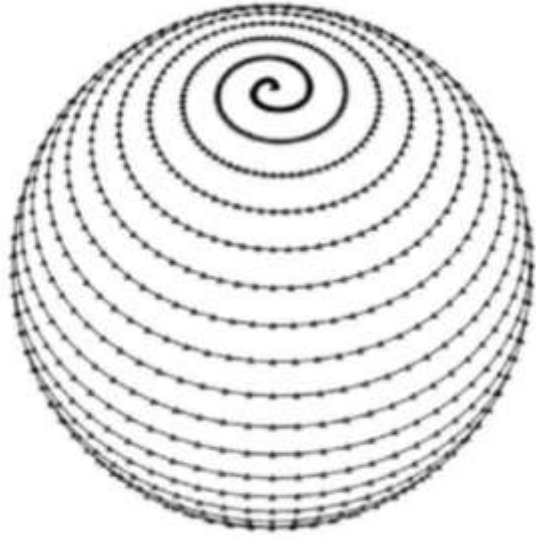


MESH model generation

- Poisson Surface reconstruction
- Building (roof) selection
- Automating with Python



Flight plan creation



Flight path export



Thank you for your attention!

Jakub Górka – jakub.gorka@pw.edu.pl