

Project "Automated mapping"

Source data: aerial images

Methodology: Classification of true orthoimages by Machine Learning, enhancement.

Tools: Open source-software

Development: Program package "buildenh"

Applications: Land cover mapping, topographic mapping, map updating

Publications:

Höhle, J (2024) Automated Generation of Urban Land Cover Maps and Their Enhancement and Regularization. PFG

<https://doi.org/10.1007/s41064-024-00316-9>

Höhle J, Damodaran BB (2023) Automated extraction of topographic map data from remotely sensed imagery by classification and cartographic enhancement: an introduction to new mapping tools. EuroSDR Official Publication Nr. 75

[eurosdr_publication_ndeg_75.pdf](#)

Höhle J (2021) Automated mapping of buildings through classification of DSM-based ortho-images and cartographic enhancement. Int J Appl Earth Obs Geoinf 95:102237.

[Automated mapping of buildings through classification of DSM-based ortho-images and cartographic enhancement - ScienceDirect](#)

Höhle, J (2017) Generating Topographic Map Data from Classification Results. Remote Sens. **2017**, 9, 224;

<https://doi.org/10.3390/rs9030224>

Höhle J, Höhle M (2013) Generation and Assessment of Urban Land Cover Maps Using High-Resolution Multispectral Aerial Cameras. Int J Adv Softw 6(3,4):272–282

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