

README file for “Forest cover mask from historical topographic maps based on image processing”

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Description

Forest cover mask obtained semi-automatically from historical topographic maps by the means of image segmentation based on the Hue-Saturation-Value (HSV) colour space and morphological image filtering. The mask cover the entire territory of the Polish Carpathians (20 000 km²) representing late 1970s and early 1980s. The quality of the available dataset was very high, with accuracy exceeding 97%, comparable to accuracies of manual vectorisation of the same maps performed by non-trained operators.

Please see the paper *Forest cover mask from historical topographic maps based on image processing* for detailed description (submitted to Geoscience Data Journal).

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List of files

- forest_cover_mask_Carpathians_PL.shp

Disclaimer

Data available for download as a result of the FOECOM project were made are intended for providing a high-quality historical forest cover information for the Polish Carpathians. The data are provided for research and practice purposes. No warranty is given as to their suitability for user applications. No liability is accepted by the authors for any errors or omissions in the data or associated information and/or documentation.

Citation

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