

PUBLICATIONS: DANIEL HÖLBLING

Peer-reviewed Journal Articles

1. Dabiri, Z., **Hölbling, D.**, Abad, L., Helgason, J.K., Sæmundsson, Þ., Tiede, D., 2020. Assessment of Landslide-Induced Geomorphological Changes in Hítardalur Valley, Iceland, Using Sentinel-1 and Sentinel-2 Data. *Applied Sciences*, 10, 5848. <https://doi.org/10.3390/app10175848>
2. Robson, B.A., Bolch, T., MacDonell, S., **Hölbling, D.**, Rastner, P., Schaffer, N., 2020. Automated detection of rock glaciers using deep learning and object-based image analysis. *Remote Sensing of Environment*, 250, 112033. <https://doi.org/10.1016/j.rse.2020.112033>
3. Hennig, S., Abad, L., **Hölbling, D.**, Tiede, D., 2020. Implementing Geo Citizen Science Solutions: Experiences from the citizenMorph Project. *GI Forum*, 7, 2, 3-14. https://doi.org/10.1553/giscience2020_01_s3
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7. Gudiyangada Nachappa, T., Kienberger, S., Meena, S.R., **Hölbling, D.**, Blaschke, T., 2020. Comparison and validation of per-pixel and object-based approaches for landslide susceptibility mapping. *Geomatics, Natural Hazards and Risk*, 11(1), 572-600. <https://doi.org/10.1080/19475705.2020.1736190>
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9. **Hölbling, D.**, Abad, L., Dabiri, Z., Prasicek, G., Tsai, T.-T., Argentin, A.-L., 2020. Mapping and Analyzing the Evolution of the Butangbunasi Landslide Using Landsat

- Time Series with Respect to Heavy Rainfall Events during Typhoons. *Applied Sciences*, 10(2), 630. <https://doi.org/10.3390/app10020630>
10. Hennig, S., **Hölbling, D.**, Ferber, N., Tiede, D., 2019. Rahmenkonzept und Komponenten für Citizen Science Projekte. Das Projekt citizenMorph. *AGIT - Journal für Angewandte Geoinformatik*, 5-2019, 2-13. <http://dx.doi.org/10.14627/537669001>
 11. Kothencz, G., Albrecht, F., **Hölbling, D.**, Pürmayr, K., Osberger, A., 2018. Integrated analysis of urban green spaces and recreation areas: transferability and applicability. *Acta Horticulturae*, 1215, 319-324. <http://dx.doi.org/10.17660/ActaHortic.2018.1215.59>
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 14. **Hölbling, D.**, Eisank, C., Albrecht, F., Vecchiotti, F., Friedl, B., Weinke, E., Kociu, A., 2017. Comparing Manual and Semi-Automated Landslide Mapping Based on Optical Satellite Images from Different Sensors. *Geosciences*, 7(2), 37. <http://dx.doi.org/10.3390/geosciences7020037>
 15. **Hölbling, D.**, Betts, H., Spiekermann, R., Phillips, C., 2016. Identifying Spatio-Temporal Landslide Hotspots on North Island, New Zealand, by Analyzing Historical and Recent Aerial Photography. *Geosciences*, 6, 48. <http://dx.doi.org/10.3390/geosciences6040048>
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 18. Hagenlocher, M., **Hölbling, D.**, Kienberger, S., Vanhuysse, S., Zeil, P., 2016. Spatial assessment of social vulnerability in the context of landmines and explosive remnants of war in Battambang province, Cambodia. *International Journal of Disaster Risk Reduction*, 15, 148-161. <http://dx.doi.org/10.1016/j.ijdr.2015.11.003>
 19. Robson, B.A., **Hölbling, D.**, Nuth, C., Strozzi, T., Dahl, S.O., 2016. Decadal Scale Changes in Glacier Area in the Hohe Tauern National Park (Austria) Determined by Object-Based Image Analysis. *Remote Sensing*, 8(1), 67. <http://dx.doi.org/10.3390/rs8010067>

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25. Vanhuysse, S., **Hölbling, D.**, Friedl, B., Hanson, E., Krtalić, A., Hagenlocher, M., Racetin, I., Wolff, E., 2014. Object-Based Image Analysis for Detecting Indicators of Mine Presence to Support Suspected Hazardous Area Re-delineation. *South-Eastern European Journal of Earth Observation and Geomatics, Special Thematic Issue: GEOBIA 2014 - Advancements, trends and challenges, 5th Geographic Object-Based Image Analysis Conference, Thessaloniki, Greece, May 21-24, 2014*, 3 (2S), 525-529. <http://ejournals.lib.auth.gr/seejeog/issue/view/726>
26. Tiede, D., Füreder, P., Lang, S., **Hölbling, D.**, Zeil, P., 2013. Automated Analysis of Satellite Imagery to provide Information Products for Humanitarian Relief Operations in Refugee Camps - from Scientific Development towards Operational Services. *PFG Photogrammetrie, Fernerkundung, Geoinformation*, 3/2013, 185-195. <http://dx.doi.org/10.1127/1432-8364/2013/0169>
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<https://doi.org/10.14358/PERS.77.9.933>

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33. Lang, S., Möller, M., Schöpfer, E., Jekel, T., **Hölbling, D.**, Kloyber, E., Blaschke, T., 2007. Quantifying and qualifying urban green by integrating remote sensing, GIS and social science methods. Müller, F., Jones, B., Krauze, K., Li, B.-L., Victorov, S., Zurlini, G., Petrosilio, I., Kepner, W. (eds.), *Use of landscape sciences for the assessment of environmental security*, Springer: Berlin/New York, pp. 93-105. [[pdf](#)]

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34. **Hölbling, D.**, 2009. ERDAS IMAGINE Objective 9.3 - Snapshot. *GIS Business*, 8/2009, abcverlag: Heidelberg, pp. 47-51. [[pdf](#)]
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36. Albrecht, F., **Hölbling, D.**, Weinke, E. 2020. Towards a web service for rapid landslide mapping based on Copernicus data. *IOP Conference Series: Earth and Environmental Science*, 509, 012002. <https://doi.org/10.1088/1755-1315/509/1/012002>

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39. **Hölbling, D.**, Spiekermann, R., Binn, A., and Betts, H., 2019. Analysing and visualizing spatio-temporal landslide patterns. *Abstr. Int. Cartogr. Assoc.*, 1, 116, <https://doi.org/10.5194/ica-abs-1-116-2019>.
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