Michael Schultz
Research bibliography

63 verified research-output records, including 20 journal articles. Checked 16 November 2026.

Journal articles, chapters, research data, software, reports, conference contributions and theses. Editorial and contributor roles are identified in each record.

Manuscripts and forthcoming presentations are listed separately on the website and are excluded from this bibliography.

ORCID 0000-0002-4813-090X · Publications online

Book chapter: 5 · Conference abstract: 5 · Conference contribution: 1 · Conference paper: 6 · Conference presentation: 4 · Dataset: 3 · Doctoral thesis: 1 · Edited proceedings: 1 · Journal article: 20 · Master's thesis: 1 · Policy brief contribution: 1 · Presentation: 1 · Report: 11 · Report contribution: 1 · Reproducibility package: 1 · Workshop paper: 1

2026

Assessment of ground deformation in Mandalay, Myanmar, using InSAR with Sentinel-1 data after the March 2025 earthquake

Authors: Behzad Taghi-Lou; Michael Schultz; Andreas Braun; Volker Hochschild

Science of Remote Sensing · 13 · 100358

MS-3FAF3648 · Journal article · Published · Checked 2026-11-05

Publication date: 2026-06

First online: 2025-12-23 (inferred from VOR licence start)

Licence: http://creativecommons.org/licenses/by/4.0/

DOI: 10.1016/j.srs.2025.100358

Duplicate status in supplied list: listed under both in review and published. Published version confirmed. Cite 2026 for volume 13 (June 2026); DOI retains 2025 and Crossref VOR licence starts 2025-12-23. Exact first-online date inferred from VOR licence start rather than separately exposed published-online metadata. First-author surname is Taghi-Lou, not Lou. Crossref says CC BY 4.0; OpenAlex disagrees (CC BY-NC-ND); publisher licence is authoritative and should be checked before redistributing a PDF.

DOI · Source record · Evidence 1 · Evidence 2

Copernicus-Landmonitor Ukraine: halbjährliche 10-m-Karten für Enhanced Transparency Framework (ETF)/National Inventory Report (NIR)

Listed presenter: Michael Schultz

Nationales Forum für Fernerkundung und Copernicus 2026, Session G.3, ESOC, Darmstadt, Germany

MS-7E6F24F3 · Conference presentation · Programme-listed impulse talk · Checked 2026-11-16

Publication date: 2026-04-30

The archived official programme lists Dr. Michael Schultz, University of Tübingen, for this impulse talk in Session G.3, 30 April 2026, 09:00–10:30, room Sentinel. This records the programme credit and does not claim personal delivery or a verified complete author list. Programme text was checked in the indexed official archive; direct archive access returned HTTP 404 on 16 November 2026.

Source record · Evidence 1 · Evidence 2

Development, Implementation, and Sustainability of the FRAME Federation for Enhanced Flood Risk Management in Vietnam with effortless large scaling potential

Listed presenter: Michael Schultz

CIGOS 2026: The 8th International Conference on Geotechnics, Civil Engineering and Structures, Ho Chi Minh City, Vietnam

MS-0ACB93EF · Conference presentation · Programme-listed presentation · Checked 2026-11-07

Publication date: 2026-04-17

The official final programme lists Michael Schultz, Tübingen University, in AIP 4, Room 3 (Opera 1), 17 April 2026, 10:00–10:15. Recorded as a conference presentation; no matching abstract was found in the public 259-page Book of Abstracts, and no proceedings DOI was verified. Michael Schultz is the programme-listed presenter; additional coauthors were not publicly verified. The programme identifies the presenter; the complete author list has not been verified.

Source record · Evidence 1

FloodAdapt - Nachhaltige Entwicklung Urbaner Regionen (NUR) Verbundprojekt: FloodAdaptVN: Integration von ökosystembasierten Ansätzen in das Hochwasserrisikomanagement zur angepassten und nachhaltigen Stadtentwicklung in Zentralvietnam

Authors: Bachofer, Felix; Hochschild, Volker; Schultz, Michael; Schinkel, Ulrike; Assmann, André; Büche, Kerstin; Hagenlocher, Michael; Sett, Dominic; Walz, Yvonne; Souvignet, Maxime; Ortiz Vargas, Andrea; Behre, Eike; Aceto-Waldschmidt, Florian; Garschagen, Matthias; Vu, Bien Thanh; Nguyen, Hoang Khanh Linh; Nguyen, Dang Giang Chau; Le, Dien Minh; Le, Ba Phuc; Pham, Thanh Long; Pham, Gia Tung; Obaitor, Olabisi S.

FloodAdaptVN final project report; TIB RENATE · 76

MS-846C0302 · Report · Published · Checked 2026-11-05

Publication date: 2026-10-27

Licence: Creative Commons Attribution-NoDerivs 3.0 Germany (DataCite metadata); check individual PDF notices

DOI: 10.34657/44066

Missing from supplied list. Repository release 27 October 2026. English alternative title: Final project report of FloodAdaptVN: Integrating ecosystem-based approaches into flood risk management for adaptive and sustainable urban development in Central Viet Nam. Main report, English/German summaries and publication annex are one record, not four publications.

DOI · Source record · Source PDF · Evidence 1 · Evidence 2

OSMlanduse: A Dataset of European Union Land Use at 10 m Resolution Derived from OpenStreetMap and Sentinel-2

Authors: Schultz, Michael; Li, Hao; Wu, Zhaoyan; Wiell, Daniel; Auer, Michael; Zipf, Alexander

OSM Science 2025, Manila

MS-EBD69C7F · Conference abstract · Published · Checked 2026-11-05

Publication date: 2026-06-28

Licence: cc-by-4.0

DOI: 10.5281/zenodo.21008023

Conference held 2025-10-03 to05; repository publication 2026-06-28. PDF identifies this as a peer-reviewed accepted abstract. Metadata misspells Wu as We and Wiell as Weill; authors corrected against PDF. Separate from 2025 Scientific Data article.

DOI · Source record · Source PDF · Evidence 1 · Evidence 2

Reproducibility package for Reimagining Logistics and Connectivity from Space: Artificial Intelligence and Satellite Imagery Applications

Authors: Michael Schultz; Hao Li; Himanshu Tiwari; Daniel Saslavsky; Satya Prasad Sahu; Daria Ulybina

World Bank Reproducible Research Repository

MS-E5A45E22 · Reproducibility package · Published · Checked 2026-11-16

Publication date: 2026-10-08

Licence: MIT License with World Bank IGO Rider; data-specific terms apply

Reference RR_WLD_2025_378. Catalog created 8 October 2026; metadata production 5 October 2026; scripts dated September 2026; last modified 20 October 2026. Six creators follow current catalog metadata. Software and reproducibility package accompanying a separate World Bank report; not a journal article. Some input datasets require separate access. The archive and README documentation are available through the catalog.

Source record · Evidence 1 · Evidence 2

Sentinel-1 damage proxies in Ukraine: Building-focused trials for LULUCF and greenhouse-gas accounting

Authors: Michael Schultz; Jonas Knecht; Andreas Vollrath; Oleksandr Diachuk; Andreas Braun; Volker Hochschild

Arbeitskreis Fernerkundung 2026, Thünen-Institut, Braunschweig, Germany

MS-4BCB13FA · Conference presentation · Public presentation slides available · Checked 2026-11-16

Publication date: 2026-10-08

Title and six-author order follow the title slide of the public 37-page presentation. The official programme lists the same contribution as: Sentinel-1 coherence-based damage proxy maps for Ukraine: a support layer for LULUCF and greenhouse-gas accounting in inaccessible territories. Session 5: Land use and cover mapping and monitoring, 8 October 2026, 11:15–12:15. The two titles identify one contribution, not two publications.

Source record · Source PDF · Evidence 1 · Evidence 2 · Evidence 3

2025

BIPE: A Bi-Layer Predictive Ensemble Framework for Forest Fire Susceptibility Mapping in Germany

Authors: Ling Hu; Volker Hochschild; Harald Neidhardt; Michael Schultz; Pegah Khosravani; Hadi Shokati

Remote Sensing · 17(1) · 7

MS-BFFC1B56 · Journal article · Published · Checked 2026-11-05

Publication date: 2024-12-24

Licence: https://creativecommons.org/licenses/by/4.0/

DOI: 10.3390/rs17010007

Two supplied entries (2024 iBIPE / Ling H. and 2025 BIPE / Hu L.) describe one article. Final title is BIPE; first author Ling Hu and final author Hadi Shokati. Published online 2024-12-24; publisher citation uses 2025, volume 17(1), article 7.

DOI · Source record · Source PDF · Evidence 1 · Evidence 2

Flood Risk Information System for Adaptation Measures and Evaluation in Central Vietnam – (FRAME) – GeoNode Facilitation

Authors: Schultz, Michael; Bick, Christian; Bachofer, Felix; Braun, Andreas; Hochschild, Volker

SURE Solutions: Transfer of Strategies and Solutions in Sustainable Development of Urban Regions · 2 · 86–92

MS-2B84B7D5 · Book chapter · Published · Checked 2026-11-05

Publication date: 2025-07

Licence: CC BY 4.0 (volume)

Volume DOI: 10.34712/142.70

Correct full title and page range; supplied 86–93 incorrect. DOI identifies complete volume, not chapter-specific. DLR explicitly marks non-refereed.

Volume DOI · Source record · Source PDF · Evidence 1 · Evidence 2

Opportunities for improved flood risk management and adaptation in Hue, Central Viet Nam: Addressing current and future flood risks

Authors: Ortiz Vargas, Andrea; Sett, Dominic; Hansohm, Jonas; Waldschmidt, Florian; Behre, Eike; Vu, Bien Thanh; Obaitor, Olabisi S.; Schinkel, Ulrike; Büche, Kerstin; Schultz, Michael; Nguyen Dang Giang, Chau; Nguyen Hoang Khanh, Linh; Pham Gia, Tung; Assmann, André; Garschagen, Matthias; Hochschild, Volker; Bachofer, Felix; Souvignet, Maxime; Hagenlocher, Michael; Walz, Yvonne

United Nations University, Institute for Environment and Human Security · 59 numbered pp.

MS-C9F0867B · Report · Published · Checked 2026-11-05

Publication date: 2025-09

Licence: Open access; specific reuse licence not verified

DOI: 10.53324/QCDS7239

Missing from supplied list. PDF cover September 2025; DLR catalogue month August 2025. PDF has61 physical pages. Non-refereed report.

DOI · Source record · Source PDF · Evidence 1 · Evidence 2

OSMLandUse

Listed presenter: Michael Schultz

Jahrestagung des Arbeitskreises Fernerkundung der DGfG, Ruhr-Universität Bochum, Germany

MS-CCC24B03 · Conference presentation · Presented · Checked 2026-11-16

Publication date: 2025-09-30

Official programme title and speaker: OSMLandUse, Michael Schultz, 30 September 2025, 11:20–11:35, Session 5: EO for Risk & Assets Management. The University of Tübingen retrospectively confirms his presentation on OSM land-use maps. The programme does not provide a complete coauthor list. A distinct conference presentation related to the 2025 Scientific Data article, not an additional journal article.

Source record · Evidence 1 · Evidence 2

OSMlanduse a dataset of European Union land use at 10 m resolution derived from OpenStreetMap and Sentinel-2

Authors: Michael Schultz; Hao Li; Zhaoyan Wu; Daniel Wiell; Michael Auer; Alexander Zipf

Scientific Data · 12(1) · 750

MS-A9970964 · Journal article · Published · Checked 2026-11-05

Publication date: 2025-05-06

Licence: https://creativecommons.org/licenses/by/4.0

DOI: 10.1038/s41597-025-04703-8

Schultz and Li contributed equally. Publisher and Crossref invert the final author as Zipf Alexander / Alexander, Z.; normalized here to Alexander Zipf based on Heidelberg institutional bibliography and the contribution statement. Request publisher metadata correction if not already addressed. Companion data DOI 10.11588/data/IUTCDN is a separate research output.

DOI · Source record · Source PDF · Evidence 1 · Evidence 2 · Evidence 3

Spatial Dynamics and Drivers of Urban Growth in Thua Thien Hue Province, Vietnam: Insights for Urban Sustainability in the Global South

Authors: Olabisi S. Obaitor; Oluwafemi Michael Odunsi; Thanh Bien Vu; Lena C. Grobusch; Michael Schultz; Volker Hochschild; Linh Nguyen Hoang Khanh; Matthias Garschagen

ISPRS International Journal of Geo-Information · 14(2) · 44

MS-CCD2D235 · Journal article · Published · Checked 2026-11-05

Publication date: 2025-01-25

Licence: https://creativecommons.org/licenses/by/4.0/

DOI: 10.3390/ijgi14020044

Supplied list uses 2024 and shortened title. Correct publication date 2025-01-25, volume 14(2), article 44. Publisher metadata renders Vietnamese coauthor Linh Nguyen Hoang Khanh (family Khanh); name retained as publisher gives it.

DOI · Source record · Source PDF · Evidence 1 · Evidence 2

Strengthening Flood Resilience in Huế – Insights from FloodAdaptVN. A Summary for Policymakers

Authors: Bachofer, Felix; Ottinger, Marco; Schinkel, Ulrike; Büche, Kerstin; Assmann, André; Vu Thanh Bien; Obaitor, Olabisi S.; Reimuth, Andrea; Katzschner, Antje; Grobusch, Lena; Garschagen, Matthias; Nguyen Dang Giang Chau; Nguyen Hoang Khanh Linh; Schultz, Michael; Braun, Andreas; Hochschild, Volker; Sett, Dominic; Waldschmidt, Florian; Ortiz Vargas, Andrea; Behre, Eike; Souvignet, Maxime; Walz, Yvonne; Hagenlocher, Michael

FloodAdaptVN / German Aerospace Center (DLR) · 12 numbered pp.

MS-59FD33EA · Report · Published · Checked 2026-11-05

Publication date: 2025-06

Licence: Open access; specific reuse licence not verified

DOI: 10.15489/hj8z2za81381

Missing from supplied list. English and Vietnamese editions represent one work, both downloaded.16 physical PDF pages.

DOI · Source record · Source PDF · Additional PDF · Evidence 1 · Evidence 2

2024

Analyzing and Improving the Quality and Fitness for Purpose of OpenStreetMap as Labels in Remote Sensing Applications

Authors: Schott, Moritz; Zell, Adina; Lautenbach, Sven; Sumbul, Gencer; Schultz, Michael; Zipf, Alexander; Demir, Begüm

Volunteered Geographic Information: Interpretation, Visualisation and Social Computing · 21–42

MS-9ED49878 · Book chapter · Published · Checked 2026-11-05

Publication date: 2023-12-09

Licence: CC BY 4.0

DOI: 10.1007/978-3-031-35374-1_2

First online 2023-12-09; publisher citation/book year 2024. Supplied twice: merge into one chapter.

DOI · Source record · Source PDF · Evidence 1 · Evidence 2

Assuring the quality of VGI on land use and land cover: experiences and learnings from the LandSense project

Authors: Giles Foody; Gavin Long; Michael Schultz; Ana-Maria Olteanu-Raimond

Geo-spatial Information Science · 27(1) · 16-37

MS-3FF6C915 · Journal article · Published · Checked 2026-11-05

Publication date: 2022-07-21

Licence: http://creativecommons.org/licenses/by/4.0/

DOI: 10.1080/10095020.2022.2100285

First published online 2022-07-21, but assigned to 2024 volume 27(1), pp. 16–37. Use 2024 for the final issue citation and retain online-first 2022 date; this is one publication, not two.

DOI · Source record · Source PDF · Evidence 1 · Evidence 2 · Evidence 3 · Evidence 4

OpenStreetMap land use for Europe "Research Data"

Authors: Schultz, Michael; Li, Hao; Wu, Zhaoyhan; Wiell, Daniel; Auer, Michael; Zipf, Alexander

heiDATA

MS-F83DF881 · Dataset · Published · Checked 2026-11-05

Publication date: 2024-04-26

Licence: CC BY 4.0

DOI: 10.11588/DATA/IUTCDN

Dataset version 2.0; latest release 2024-11-04. Distinct research-data output; large raster datasets not copied into publication PDF pack. Repository spells Zhaoyan as Zhaoyhan.

DOI · Source record · Evidence 1

Thematic Legend Harmonization for Central Vietnam

Authors: Schultz, Michael; Nguyen Hien

SURE Solutions: Transdisciplinary Challenges in Sustainable Development of Urban Regions · 1 · 108–116

MS-1C95CC75 · Book chapter · Published · Checked 2026-11-05

Publication date: 2024-10-18

Licence: CC BY 4.0

Volume DOI: 10.34712/142.61

DOI is for the whole volume, not chapter-specific. Nominal volume 2024; HCU issue/deposit metadata 2025-04-03. Title page starts108, body109–116. Coauthor rendered as Nguyen Hien in original. Whole-volume PDF available locally; extracted chapter created from that volume. Local chapter PDF extracted without changing page content; original volume retained.

Volume DOI · Source record · Source PDF · Evidence 1 · Evidence 2

Urban Morphologic Structures Retrieved by Satellite Imagery Correlate With Socioeconomic Household Data—Insights From the City of Kigali, Rwanda

Authors: Andreas Braun; Christian Khouri; Oliver Assmann; Gebhard Warth; Michael Schultz; Volker Hochschild

IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing · 17 · 17846-17859

MS-396552D3 · Journal article · Published · Checked 2026-11-05

Publication date: 2024-09-24

Licence: https://creativecommons.org/licenses/by/4.0/legalcode

DOI: 10.1109/jstars.2024.3466298

Published 2024, volume 17, pp. 17846–17859. Publisher PDF publication date is 2024-09-24 and current version 2024-10-07, visible in indexed full text; Crossref provides year only. Tübingen repository copy has separate repository DOI 10.15496/publikation-108482; do not count twice.

DOI · Source record · Source PDF · Evidence 1 · Evidence 2

2023

Carbon fluxes related to land use and land cover change in Baden-Württemberg

Authors: Veit Ulrich; Michael Schultz; Sven Lautenbach; Alexander Zipf

Environmental Monitoring and Assessment · 195(5) · 616

MS-BB1C32A4 · Journal article · Published · Checked 2026-11-05

Publication date: 2023-04-27

Licence: https://creativecommons.org/licenses/by/4.0

DOI: 10.1007/s10661-023-11141-9

DOI · Source record · Source PDF · Evidence 1 · Evidence 2

Flood Risk in Vietnamese Coastal Cities – Remote Sensing Based Urban Structure Types as a Planning Relevant Tool

Authors: Hochschild, Volker; Braun, Andreas; Schultz, Michael; Warth, Gebhard

EGU General Assembly 2023, Vienna and online

MS-BAD8DF57 · Conference abstract · Published · Checked 2026-11-05

Publication date: 2023

Licence: CC BY 4.0

DOI: 10.5194/egusphere-egu23-6022

Abstract identifier EGU23-6022; conference 24–28 April 2023. Distinct abstract, not journal article.

DOI · Source record · Evidence 1

Mapping Urban Structure Types Based on Remote Sensing Data—A Universal and Adaptable Framework for Spatial Analyses of Cities

Authors: Andreas Braun; Gebhard Warth; Felix Bachofer; Michael Schultz; Volker Hochschild

Land · 12(10) · 1885

MS-0432B64B · Journal article · Published · Checked 2026-11-05

Publication date: 2023-10-07

Licence: https://creativecommons.org/licenses/by/4.0/

DOI: 10.3390/land12101885

Original publisher PDF is 133.26 MB; keep linked or use Git LFS rather than normal GitHub upload. No substantive metadata correction beyond completing DOI.

DOI · Source record · Source PDF · Evidence 1 · Evidence 2

Potential of UAV-Based Pattern Classification with Convolutional Neural Network on Moderate/Low Quality UAV Data

Authors: Arslanova, Linara; Hese, Sören; Metz, Friederike; Schmullius, Christiane; Thau, Christian; Scheibler, Friedemann; Heckel, Kai; Fölsch, Marcel; Urban, Marcel; Schultz, Michael

IGARSS 2023 – IEEE International Geoscience and Remote Sensing Symposium · 3510–3513

MS-DAD3DAB7 · Conference paper · Published · Checked 2026-11-05

Publication date: 2023-07-16

DOI: 10.1109/IGARSS52108.2023.10282406

Friederike Metz was missing from supplied author list. DOI resolved to IEEE document10282406; title and author order verified in official conference programme; DOI additionally recorded by DBLP/CsAuthors. No open full text verified.

DOI · Source record · Evidence 1 · Evidence 2 · Evidence 3

Private Vehicles Greenhouse Gas Emission Estimation at Street Level for Berlin Based on Open Data

Authors: Veit Ulrich; Josephine Brückner; Michael Schultz; Sanam Noreen Vardag; Christina Ludwig; Johannes Fürle; Mohammed Zia; Sven Lautenbach; Alexander Zipf

ISPRS International Journal of Geo-Information · 12(4) · 138

MS-731462C3 · Journal article · Published · Checked 2026-11-05

Publication date: 2023-03-24

Licence: https://creativecommons.org/licenses/by/4.0/

DOI: 10.3390/ijgi12040138

DOI · Source record · Source PDF · Evidence 1 · Evidence 2

Private vehicles greenhouse gas emissions at street level for Berlin based on open data

Authors: Ulrich, Veit; Brückner, Josephine; Schultz, Michael; Vardag, Sanam; Ludwig, Christina; Fürle, Johannes; Zia, Mohammed; Lautenbach, Sven; Zipf, Alexander

Zenodo

MS-5960A88B · Dataset · Published · Checked 2026-11-05

Publication date: 2023-01-23

Licence: cc-by-4.0

DOI: 10.5281/zenodo.7557041

Version DOI10.5281/zenodo.7557041; concept DOI10.5281/zenodo.7557040. Research data, not another journal article.

DOI · Source record · Evidence 1

Thawing permafrost poses environmental threat to thousands of sites with legacy industrial contamination

Authors: Moritz Langer; Thomas Schneider von Deimling; Sebastian Westermann; Rebecca Rolph; Ralph Rutte; Sofia Antonova; Volker Rachold; Michael Schultz; Alexander Oehme; Guido Grosse

Nature Communications · 14(1) · 1721

MS-C1108AF7 · Journal article · Published · Checked 2026-11-05

Publication date: 2023-03-28

Licence: https://creativecommons.org/licenses/by/4.0

DOI: 10.1038/s41467-023-37276-4

DOI · Source record · Source PDF · Evidence 1 · Evidence 2

2022

Leveraging OpenStreetMap and Multimodal Remote Sensing Data with Joint Deep Learning for Wastewater Treatment Plants Detection

Authors: Hao Li; Johannes Zech; Danfeng Hong; Pedram Ghamisi; Michael Schultz; Alexander Zipf

International Journal of Applied Earth Observation and Geoinformation · 110 · 102804

MS-7044C56D · Journal article · Published · Checked 2026-11-05

Publication date: 2022-05-15

Licence: http://creativecommons.org/licenses/by-nc-nd/4.0/

DOI: 10.1016/j.jag.2022.102804

June 2022 volume 110; PubMed reports Epub 2022-05-15. Publisher/Crossref licence CC BY-NC-ND 4.0. Crossref licence start 2022-04-29 corresponds to acceptance, so it is not used as the publication date.

DOI · Source record · Evidence 1 · Evidence 2 · Evidence 3 · Evidence 4

OpenStreetMap for Earth Observation (OSM4EO) land use application and benchmark

Authors: Schultz, Michael; Olteanu-Raimond, Ana-Maria; Long, Gavin; Foody, Giles; Zipf, Alexander

The Use of Volunteer Geographic Information for Producing and Maintaining Authoritative Land Use and Land Cover Data (EuroSDR workshop report) · 16–17

MS-4E0CA997 · Report contribution · Published · Checked 2026-11-05

Publication date: 2022-02

Licence: All rights reserved; public publisher PDF

Report published February 2022; workshop24–25 November 2020. Section 2.3. Distinct written contribution, also related to supplied 2020 presentation. Local chapter PDF extracted without changing page content; original volume retained.

Source record · Source PDF · Evidence 1 · Evidence 2

OpenStreetMap for Earth Observation (OSM4EO) osmlanduse.org

Authors: Schultz, Michael; Auer, Michael

Geoinformationssysteme 2022: Beiträge zur9. Münchner GI-Runde (Kolbe, Bill & Donaubauer, eds.) · 55–56

MS-4559D539 · Conference paper · Published · Checked 2026-11-05

Publication date: 2022-03

Licence: All rights reserved (2022 Runder Tisch GIS e.V.); public repository PDF

Published written contribution in proceedings, omitted from supplied publications (talk listed only). Whole proceedings downloaded; extract prepared separately. Local chapter PDF extracted without changing page content; original volume retained.

Source record · Source PDF · Evidence 1 · Evidence 2

Thawing permafrost poses environmental threat to thousands of sites with legacy industrial contamination

Authors: Langer, Moritz; Schneider von Deimling, Thomas; Westermann, Sebastian; Rolph, Rebecca; Rutte, Ralph; Rachold, Volker; Schultz, Michael; Grosse, Guido

Polar Regions, Climate Change and Society: 28th International Polar Conference, Reports on Polar and Marine Research · 762 · 84

MS-5D5E0CEB · Conference abstract · Published abstract · Checked 2026-11-05

Publication date: 2022

Licence: No open redistribution licence confirmed in inspected PDF

Volume DOI: 10.57738/BzPM_0762_2022

Missing from supplied list. Abstract p.84 and conference programme both explicitly include Michael Schultz. Eight authors differ from the later ten-author journal article; do not copy journal author list. Event Potsdam, 1–5 May 2022. DOI belongs to complete proceedings volume.

Volume DOI · Source record · Source PDF · Evidence 1

2021

Automatic mapping of national surface water with OpenStreetMap and Sentinel-2 MSI data using deep learning

Authors: Hao Li; Johannes Zech; Christina Ludwig; Sascha Fendrich; Aurelie Shapiro; Michael Schultz; Alexander Zipf

International Journal of Applied Earth Observation and Geoinformation · 104 · 102571

MS-C91A92EC · Journal article · Published · Checked 2026-11-05

Publication date: 2021-12-15

Licence: CC BY-NC-ND 4.0

DOI: 10.1016/j.jag.2021.102571

Final issue 15 December 2021; already reported published in institutional news dated 20 October 2021. Related dataset has distinct DOI 10.11588/DATA/AAKAF9. Publisher has a View PDF option; no stable standalone PDF retrieved.

DOI · Source record · Evidence 1 · Evidence 2 · Evidence 3

Automatic mapping of national surface water with OpenStreetMap and Sentinel-2 MSI data using deep learning [Research Data]

Authors: Li, Hao; Zech, Johannes; Ludwig, Christina; Fendrich, Sascha; Shapiro, Aurelie; Schultz, Michael; Zipf, Alexander

heiDATA

MS-83288652 · Dataset · Published · Checked 2026-11-05

Publication date: 2021-10-12

Licence: CC BY 4.0

DOI: 10.11588/DATA/AAKAF9

Dataset version 1.1; latest release 2022-05-13. Distinct research-data output; large raster datasets not copied into publication PDF pack.

DOI · Source record · Evidence 1

OpenStreetMap als Datenquelle für Umweltinformationssysteme: Grundlagen und Anwendungsbeispiele

Authors: Lautenbach, Sven; Sendlinger, Linda; Schultz, Michael; Ludwig, Christina; Klonner, Carolin; Neumann, Dominik; Zipf, Alexander

Umweltinformationssysteme: Grundlagen einer angewandten Geo-IT (ed. Peter Fischer-Stabel) · 188–197

MS-7C79CE7A · Book chapter · Published · Checked 2026-11-05

Correct contribution title and author order from Heidelberg institutional bibliography. Peter Fischer-Stabel edits the textbook; Schultz is a chapter coauthor, not coauthor of entire book. ISBN978-3-87907-700-7. No chapter DOI or open PDF verified.

Source record · Evidence 1

2020

A Multi-Sensor Fusion Framework Based on Coupled Residual Convolutional Neural Networks

Authors: Hao Li; Pedram Ghamisi; Behnood Rasti; Zhaoyan Wu; Aurelie Shapiro; Michael Schultz; Alexander Zipf

Remote Sensing · 12(12) · 2067

MS-C2669536 · Journal article · Published · Checked 2026-11-05

Publication date: 2020-06-26

Licence: CC BY 4.0

DOI: 10.3390/rs12122067

DOI · Source record · Source PDF · Evidence 1 · Evidence 2

Cost Reduction and data conflation in monitoring land change I

Authors: Stickler, Therese; Raimond, Ana-Maria; Schrammeijer, Bep; Schultz, Michael

H 2020 LandSense

MS-5FE4EAB6 · Report · Published · Checked 2026-11-05

Publication date: 2020-02-17

Licence: cc-by-4.0

DOI: 10.5281/zenodo.3670904

DOI · Source record · Source PDF · Evidence 1 · Evidence 2

Definition of citizen-observed and authoritative data collection requirements for LandSense demonstration cases

Authors: Schultz, Michael

H 2020 LandSense

MS-89483C45 · Report · Published · Checked 2026-11-05

Publication date: 2020-02-17

Licence: cc-by-4.0

DOI: 10.5281/zenodo.3670341

D5.2 PDF: due 2018-05-31, submitted 2019-02-20; repository publication 2020-02-17. Supplied year 2018 is consistent with the due year, but is not the public deposit year.

DOI · Source record · Source PDF · Evidence 1 · Evidence 2

Engagement action plans and campaign strategies for LandSense demonstration cases I

Authors: Capellan, Sofia; Stickler, Theresa; Birli, Barbara; Raimond, Ana-Maria; Schultz, Michael; Mrkajic, Vladimir; Moorthy, Inian

H 2020 LandSense

MS-DD1CA63B · Report · Published · Checked 2026-11-05

Publication date: 2020-02-17

Licence: cc-by-4.0

DOI: 10.5281/zenodo.3670135

DOI · Source record · Source PDF · Evidence 1 · Evidence 2

Engagement action plans and campaign strategies for LandSense demonstration cases II

Authors: Capellan, Sofia; Stickler, Therese; Birli, Barbara; Schrammeijer, Bep; Olteanu-Raimond, Ana-Maria; Schultz, Michael; Mrkajić, Vladimir; Batič, Matej; Herold, Martin; Braun, Christelle; See, Linda

H 2020 LandSense, Deliverable D2.3 · 81

MS-A2E4D798 · Report · Published · Checked 2026-11-05

Publication date: 2020-02-17

Licence: CC BY 4.0

DOI: 10.5281/zenodo.3670930

Missing from supplied list. WUR dates the report to 2019; Zenodo public release 2020-02-17. Version DOI 10.5281/zenodo.3670930; concept DOI 10.5281/zenodo.3670929. Distinct phase II engagement report, not duplicate of phase I. PDF records submission on 2019-03-29 and has 88 physical pages, with content numbered through 81. Author surname Olteanu-Raimond verified against PDF; Zenodo abbreviates it to Raimond.

DOI · Source record · Source PDF · Evidence 1 · Evidence 2

Good practice guidelines, protocols and benchmarking standards for quality assurance

Authors: Long, Gavin; Schultz, Michael; Olteanu-Raimond, Ana-Maria

H 2020 LandSense

MS-19ADB477 · Report · Published · Checked 2026-11-05

Publication date: 2020-11-02

Licence: cc-by-4.0

DOI: 10.5281/zenodo.4452827

Supplied URL incorrectly reused DOI 10.5281/zenodo.4133626. Correct distinct D5.7 report DOI is 10.5281/zenodo.4452827.

DOI · Source record · Source PDF · Evidence 1 · Evidence 2

Impact and sustainability assessment of LandSense Citizen Observatory

Authors: van der Velde, Marijn; Olteanu-Raimond, Ana-Maria; Schultz, Michael; Matheus, Andreas; d'Andrimont, Raphael; Moorthy, Inian

H 2020 LandSense

MS-7FF9DE77 · Report · Published · Checked 2026-11-05

Publication date: 2020-12-28

Licence: cc-by-4.0

DOI: 10.5281/zenodo.4452706

DOI · Source record · Source PDF · Evidence 1 · Evidence 2

LandSense: Coupling citizen science and earth observation data to promote environmental monitoring

Authors: Moorthy, Inian; See, Linda; Banko, Gebhard; Capellan, Sofia; Mrkajić, Vladimir; Olteanu-Raimond, Ana-Maria; Schrammeijer, Bep; Schultz, Michael; Batič, Matej; Fritz, Steffen

H 2020 LandSense

MS-7915AEFE · Presentation · Published · Checked 2026-11-05

Publication date: 2020-10-15

Licence: cc-by-4.0

DOI: 10.5281/zenodo.4146846

Repository classifies as presentation, not report or journal paper. Presented at Knowledge for Change: A decade of Citizen Science in support of the SDGs, Berlin 2020-10-14/15.

DOI · Source record · Source PDF · Evidence 1 · Evidence 2

Mission Sustainable: Fostering an enabling environment for sustainable Citizen Observatories. WeObserve policy brief 2.

Authors: Gold, Margaret; Wehn, Uta

Zenodo

MS-293A8042 · Policy brief contribution · Published · Checked 2026-11-05

Contributors: Hager, Gerid; Tsertou, Athanasia; Woods, Mel; Ajates, Raquel; Schultz, Michael (as Schulz)

Publication date: 2020-08-26

Licence: cc-by-4.0

DOI: 10.5281/zenodo.4001672

Main authors are Gold and Wehn. Michael Schultz appears under Contributors (misspelled Schulz), not as a principal author. Keep separate from authored publication counts.

DOI · Source record · Source PDF · Evidence 1 · Evidence 2

Quality evaluation of citizen-observed data to the LandSense demonstration cases I

Authors: Rosser, Julian; Schultz, Michael

H 2020 LandSense

MS-DC1547F0 · Report · Published · Checked 2026-11-05

Publication date: 2020-02-17

Licence: cc-by-4.0

DOI: 10.5281/zenodo.3670928

D5.4 PDF submitted 2019-03-20; repository publication 2020-02-17. Supplied 2019 may be retained as report year with deposit year separately.

DOI · Source record · Source PDF · Evidence 1 · Evidence 2

Quality evaluation of citizen-observed data to the LandSense demonstration cases II

Authors: Long, Gavin; Schultz, Michael; Ana-Maria Olteanu-Raimond

H 2020 LandSense

MS-51CB5E13 · Report · Published · Checked 2026-11-05

Publication date: 2020-04-30

Licence: cc-by-4.0

DOI: 10.5281/zenodo.4133626

DOI · Source record · Source PDF · Evidence 1 · Evidence 2

Use of Automated Change Detection and VGI Sources for Identifying and Validating Urban Land Use Change

Authors: A.-M. Olteanu-Raimond; L. See; M. Schultz; G. Foody; M. Riffler; T. Gasber; L. Jolivet; A. le Bris; Y. Meneroux; L. Liu; M. Poupée; M. Gombert

Remote Sensing · 12(7) · 1186

MS-E07E34A6 · Journal article · Published · Checked 2026-11-05

Publication date: 2020-04-07

Licence: CC BY 4.0

DOI: 10.3390/rs12071186

Correct final title includes Sources; first author surname is Olteanu-Raimond. Supplied author list omitted Michael Riffler and Thomas Gasber.

DOI · Source record · Source PDF · Evidence 1 · Evidence 2 · Evidence 3

2019

An exploratory analysis of usability of Flickr tags for land use/land cover attribution

Authors: Yingwei Yan; Michael Schultz; Alexander Zipf

Geo-spatial Information Science · 22(1) · 12-22

MS-0337A70E · Journal article · Published · Checked 2026-11-05

Publication date: 2019-01-08

Licence: CC BY 4.0

DOI: 10.1080/10095020.2018.1560044

Published online 8 January 2019. DOI includes 2018, but publication year is 2019. PDF URL verified by publisher/search; direct download returned HTTP 403.

DOI · Source record · Source PDF · Evidence 1 · Evidence 2

Proceedings of the Geographic and Cultural Aspects of Geo-Information: Issues and Solutions, AGILE 2019 Workshop, June17th 2019, Limassol, Cyprus

Editors: Grinberger, A. Yair; Novack, Tessio; Schultz, Michael; Mooney, Peter; Zipf, Alexander (editors)

Universitätsbibliothek Heidelberg · 21 pp.

MS-8ECF0A85 · Edited proceedings · Published · Checked 2026-11-05

Publication date: 2019-11-26

Licence: Repository open access; standard copyright

DOI: 10.11588/heidok.00027433

Editorial role. Repository misspells editor surname Schulz; Heidelberg bibliography confirms Schultz. Catalogue descriptions differ19/21 pages; repository metadata21. Local PDF retrieval returned HTML rather than PDF.

DOI · Source record · Source PDF · Evidence 1 · Evidence 2

The geographical and cultural aspects of geo-information: an introduction

Authors: Novack, Tessio; Grinberger, A. Yair; Schultz, Michael; Zipf, Alexander; Mooney, Peter

Geographic and Cultural Aspects of Geo-Information: Issues and Solutions, AGILE 2019 Workshop · 3 pp.

MS-93DDCA8E · Conference paper · Published · Checked 2026-11-05

Publication date: 2019-11-21

Licence: Repository open access; standard copyright

DOI: 10.11588/heidok.00027406

Distinct authored introductory contribution within the separately edited proceedings. Repository marks non-peer-reviewed. Local PDF retrieval returned HTML rather than PDF.

DOI · Source record · Source PDF · Evidence 1 · Evidence 2

2018

Associating OpenStreetMap tags to CORINE land-cover classes using text and semantic similarity measures

Authors: Novack, Tessio; Voss, Janek; Schultz, Michael; Zipf, Alexander

VGI-ALIVE Workshop at AGILE 2018, Lund

MS-FAD8A22F · Workshop paper · Published · Checked 2026-11-05

Workshop Word document downloaded; no DOI located. Corroborated in bibliography of 2019 GeoCultGIS introduction. Native file is DOC, not PDF.

Source record · Evidence 1

Forest Cover and Vegetation Degradation Detection in the Kavango Zambezi Transfrontier Conservation Area Using BFAST Monitor

Authors: Michael Schultz; Aurélie Shapiro; Jan G. P. W. Clevers; Craig Beech; Martin Herold

Remote Sensing · 10(11) · 1850

MS-0D2C2625 · Journal article · Published · Checked 2026-11-05

Publication date: 2018-11-21

Licence: CC BY 4.0

DOI: 10.3390/rs10111850

DOI · Source record · Source PDF · Evidence 1 · Evidence 2 · Evidence 3

Tropical deforestation monitoring using Landsat time series and breakpoint detection

Authors: Michael Schultz

Wageningen University · 132 pp.

MS-87F31BCD · Doctoral thesis · Published doctoral thesis · Checked 2026-11-05

Publication date: 2018-10-15

Licence: Not established

DOI: 10.18174/454885

Missing from supplied bibliography. ISBN 9789463434669; WU thesis 7051. Awarded 15 October 2018. PDF includes the BFAST error-sources and vegetation-index studies as thesis chapters; these do not add separate journal publications.

DOI · Source record · Source PDF · Evidence 1 · Evidence 2

2017

Einsatz von OpenStreetMap-Daten zur Erstellung von Landnutzungsprodukten am Beispiel von OSM Landuse Landcover

Authors: Voß, Janek; Auer, Michael; Schultz, Michael; Zipf, Alexander

AGIT – Journal für Angewandte Geoinformatik · 3 · 79–85

MS-E8DEEFB9 · Conference paper · Published · Checked 2026-11-05

Licence: CC BY-ND 4.0

DOI: 10.14627/537633009

Short Paper; omitted from supplied bibliography. English subtitle: The Application of OpenStreetMap Data for Generating Land Use Products Exemplified by OSM Landuse Landcover.

DOI · Source record · Source PDF · Evidence 1 · Evidence 2

Forest Change and REDD+ Strategies

Authors: Avitabile, Valerio; Schultz, Michael; Salvini, Giulia; Pratihast, Arun Kumar; Bos, Astrid; Herold, Nadine; Pham Manh Cuong; Vu Quang Hien; Herold, Martin

Land Use and Climate Change Interactions in Central Vietnam · 33–68

MS-79BB0DCA · Book chapter · Published · Checked 2026-11-05

Publication date: 2017-07-01

DOI: 10.1007/978-981-10-2624-9_4

Publisher confirms subscription chapter. No lawful open PDF verified.

DOI · Source record · Evidence 1

Open land cover from OpenStreetMap and remote sensing

Authors: Michael Schultz; Janek Voss; Michael Auer; Sarah Carter; Alexander Zipf

International Journal of Applied Earth Observation and Geoinformation · 63 · 206-213

MS-42264BB5 · Journal article · Published · Checked 2026-11-05

Publication date: 2017-12

Licence: Publisher copyright; open licence not verified

DOI: 10.1016/j.jag.2017.07.014

December 2017 final issue. No lawful standalone open PDF located.

DOI · Source record · Evidence 1 · Evidence 2 · Evidence 3

2016

Carbon emissions from land cover change in Central Vietnam

Authors: Valerio Avitabile; Michael Schultz; Nadine Herold; Sytze de Bruin; Arun Kumar Pratihast; Cuong Pham Manh; Hien Vu Quang; Martin Herold

Carbon Management · 7(5-6) · 333-346

MS-DF2E7AF1 · Journal article · Published · Checked 2026-11-05

Publication date: 2016-11-28

Licence: CC BY-NC-ND 4.0

DOI: 10.1080/17583004.2016.1254009

Online publication 28 November 2016; final issue 7(5–6), 2016. PDF URL found, but direct download returned HTTP 403. Full study is also reproduced as Chapter 2 of the freely available 2018 PhD thesis, https://edepot.wur.nl/454885.

DOI · Source record · Source PDF · Alternative PDF · Evidence 1 · Evidence 2 · Evidence 3

Error Sources in Deforestation Detection Using BFAST Monitor on Landsat Time Series Across Three Tropical Sites

Authors: Michael Schultz; Jan Verbesselt; Valerio Avitabile; Carlos Souza; Martin Herold

IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing · 9(8) · 3667-3679

MS-C6B8C574 · Journal article · Published · Checked 2026-11-05

Publication date: 2016-08

Licence: IEEE copyright; no standalone open licence verified

DOI: 10.1109/JSTARS.2015.2477473

Correct final title and author order. Final issue is August 2016, 9(8), 3667–3679. Some indexes/citations use 2015, associated with early publication and DOI registration; do not count twice. Exact early-access date not verified. Reproduced in Chapter 3 of the 2018 PhD thesis. PDF link leads to the entire doctoral thesis containing the chapter, not the standalone journal version.

DOI · Source record · Source PDF · Alternative PDF · Evidence 1 · Evidence 2

Performance of vegetation indices from Landsat time series in deforestation monitoring

Authors: Michael Schultz; Jan G.P.W. Clevers; Sarah Carter; Jan Verbesselt; Valerio Avitabile; Hien Vu Quang; Martin Herold

International Journal of Applied Earth Observation and Geoinformation · 52 · 318-327

MS-3B237F91 · Journal article · Published · Checked 2026-11-05

Publication date: 2016-10

Licence: Publisher copyright; no standalone open licence verified

DOI: 10.1016/j.jag.2016.06.020

Supplied list omitted coauthor Valerio Avitabile. Full study also reproduced in Chapter 4 of the openly accessible 2018 PhD thesis; no standalone lawful open PDF located. PDF link leads to the entire doctoral thesis containing the chapter, not the standalone journal version.

DOI · Source record · Source PDF · Alternative PDF · Evidence 1 · Evidence 2

2015

Utilizing the Global Land Cover 2000 reference dataset for a comparative accuracy assessment of 1 km global land cover maps

Authors: M. Schultz; N. E. Tsendbazar; M. Herold; M. Jung; P. Mayaux; H. Goehmann

The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences · XL-7/W3 · 503-510

MS-BD9B4952 · Conference paper · Published · Checked 2026-11-05

Publication date: 2015-04-29

Licence: CC BY 3.0

DOI: 10.5194/isprsarchives-XL-7-W3-503-2015

Author spellings verified from downloaded publisher PDF: N. E. Tsendbazar and H. Goehmann. Publisher HTML/Crossref contain apparent typos (Tsendbazazr, Goehman). HTML title says "1 km global land cover maps"; PDF title says "global 1 km land cover maps"; treated as one record. Published 29 April 2015 for 36th ISRSE, Berlin, 11–15 May 2015.

DOI · Source record · Source PDF · Evidence 1 · Evidence 2 · Evidence 3

2014

Tracking forest cover change using Landsat & Rapid Eye towards S2

Authors: E. Hamunyela; J. Verbesselt; M. Schultz; A. Penndorf; K. Frotscher; M. Herold; J. Reiche; B. R. DeVries; L. P. Dutrieux; K. Calders

Sentinel-2 for Science Workshop, ESA–ESRIN, Frascati, Italy

MS-56CA7B4E · Conference contribution · Presented conference paper · Checked 2026-11-05

Licence: Not established

Institution classifies conference paper, event 20–22 May 2014; no DOI, pagination or standalone PDF located. OpenAlex misassigns an unrelated journal; use conference venue.

Source record · Evidence 1

2013

Assessing error sources for Landsat time series analysis for tropical test sites in Viet Nam and Ethiopia

Authors: Michael Schultz; Jan Verbesselt; Martin Herold; Valerio Avitabile

Earth Resources and Environmental Remote Sensing/GIS Applications IV, Proceedings of SPIE · 8893

MS-C0F58D39 · Conference paper · Published · Checked 2026-11-05

Publication date: 2013-10-24

Licence: SPIE copyright; no open licence verified

DOI: 10.1117/12.2029374

Crossref publisher-deposited metadata verifies title, authors, date and DOI. Proceedings volume 8893 also appears in supplied material and discovery records; article number/pages not verified. Related oral presentation should not count as a second paper.

DOI · Source record · Evidence 1

The Effects of Landsat Time Series Pre-Processing on Tropical Forest Change Mapping in Vietnam and Ethiopia

Authors: M. Schultz; M. Herold; V. Avitabile; J. Verbesselt; J. Gonzalez de Tanago Meñaca

ESA Living Planet Symposium, Edinburgh

MS-D0DFAEBF · Conference abstract · Published conference abstract · Checked 2026-11-05

Publication date: 2013-09-13

Licence: Not established

Missing from supplied list. Institutional record confirms abstract and author order; event 9–13 September 2013. Distinct from SPIE proceedings paper published October 2013. No DOI/standalone PDF located.

Source record · Evidence 1

2012

Synergy of sentinel-2 and 3 satellite data towards deforestation and degradation monitoring using BFAST

Authors: J. Verbesselt; M. Schultz; M. Kalomenopoulos; V. Avitabile; M. Herold

First Sentinel-2 Preparatory Symposium, Frascati, Italy

MS-A038C190 · Conference abstract · Published conference abstract · Checked 2026-11-05

Licence: Not established

Institution explicitly classifies this as an abstract; conference 23–27 April 2012. No DOI/public standalone PDF located. OpenAlex misassigns an unrelated journal; use this conference venue.

Source record · Evidence 1

2010

Land Cover Change Detection of the Vu Gia Thu Bon river basin, Central Vietnam

Authors: Michael Schultz

Friedrich Schiller University Jena

MS-10BDFDDE · Master’s thesis · Completed thesis; institutional catalogue record · Checked 2026-11-05

Licence: Not established

Missing from supplied list. Jena lists year, title, author and supervisors M. Herold/C. Schmullius. No DOI or public full-text PDF located; do not label as journal publication.

Source record · Evidence 1