



Curriculum Vitae

Michael Jendryke, Dr.

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GEOSPATIAL DATA SCIENCE & GEOAI – DGGS & SPATIAL TOKENIZATION

Academic researcher with substantial industry experience, focusing on discrete global grid systems (DGGS), GeoAI, spatial tokenization, and machine learning for heterogeneous spatial data. Key achievements include a *Scientific Data* (Nature Portfolio) paper on DGGS, leadership of a 1.4M EUR research transfer grant, co-authorship of the Open Geospatial Consortium (OGC) DGGS API standard, and work as a contracted DGGS expert for the European Commission. Through GeoInsight, I bridge academia, innovation, and industry in projects with the European Space Agency and Airbus.

ACADEMIC APPOINTMENTS & RESEARCH LEADERSHIP

EXTERNAL EXPERT (GRID SYSTEMS)

European Commission, Joint Research Center (JRC)

9/2025 – present

- Co-authoring a comparative study of global grid systems for geospatial and EO applications.
- Developing definitions & classifications of grids, including discrete global grid systems (DGGS).
- Designing benchmarking and ranking frameworks for grids across targeted use cases.
- Collaborating with the European Space Agency (ESA) and the Committee on Earth Observation Satellites (CEOS).
- Contributing to a report/publication planned for July 2026.

PI AND TEAM LEAD

Ruhr University Bochum, Germany

6/2021 – 12/2023

- Led a 2.5-year, €1.4M research project with a team of up to 6 people, focused on bringing Discrete Global Grid Systems (DGGS) to market as a university spin-off.
- Designed and developed software architecture, writing extensive code while steering the technical vision and innovation.
- Developed and released open-source DGGS/GeoAI components.
- Negotiated with administration, HR, and funding agencies to ensure effective project execution.
- Managed the transition from academic research to business development, laying the foundation for the spin-off.

POSTDOCTORAL RESEARCHER

Wuhan University, China

11/2017 – 11/2019

- Developed a discrete global grid spatial database with billions of hexagonal cells for large-scale geospatial analytics.
- Conducted multi-source geospatial data research using deep learning, resulting in SCI-listed publications.
- Implemented and facilitated the download and processing of night-time light satellite imagery.
- Led three research projects on big geospatial data and machine learning, including mapping hate crimes & hate groups in the USA.
- Supervised four Master's and PhD students in data science and remote sensing, guiding research and manuscript preparation.
- Facilitated international collaboration by helping establish contact between Wuhan University and UNITAR for MoU negotiations.
- Taught data science programming tutorials on Python and PostgreSQL to 20+ students, enhancing technical expertise.

CONSULTANT (COVAX MICROPLANNING)

World Health Organization, Switzerland

11/2020 – 8/2021

- Led GIS- and EO-based microplanning for COVID-19 vaccine deployment, integrating population, health facility, and accessibility data to support equitable allocation.

- Coordinated technical input from 50+ partners, chaired remote technical meetings, and documented workflows and guidance for country implementation.
- Developed geospatial data workflows and tools to support national vaccination strategies in low- and middle-income countries.

DATA MANAGEMENT OFFICER (POLIO PROGRAMME)

World Health Organization, Switzerland

11/2013 – 3/2014

- Improved geospatial data integrity for WHO's Polio Eradication Program by fixing 50+ administrative country boundary layers at levels 2 and 3, ensuring topological accuracy and historical consistency.
- Increased case-to-place matching accuracy from 80% to 95%, enhancing outbreak monitoring and response effectiveness.
- Developed a geodatabase backend to geolocate and analyze all recorded polio cases, enabling multi-temporal spatial analysis for epidemiological insights.
- Contributions integrated into WHO's global administrative boundary dataset, published via the WHO GIS portal.

VISITING RESEARCHER

Wuhan University, China

2/2011 – 7/2011

- Developed and deployed an algorithm enabling the processing of high-resolution TerraSAR-X Spotlight Mode imagery for applications requiring sub-meter resolution.
- Implemented the prototype in MATLAB and Python, then extended it as a C++ add-on for the Delft Object-oriented Radar Interferometric Software (DORIS), now used internally and externally.
- Published and presented the paper "Using Open-Source Components to Process Interferometric TerraSAR-X Spotlight Data" at the TerraSAR-X & TanDEM-X Science Meeting (DLR).
- Built connections within China's geospatial research community, supporting student exchange and collaboration.
- Organized and led a weekly English support group for 25+ students and teachers, improving their language skills.

GRANTS & HONORS

2025	European Space Agency BIC	50,000 EUR
2024	(Business) EXIST Forschungstransfer II (Research Transfer Grant)	180,000 EUR
2022	(University) EXIST Forschungstransfer I (Research Transfer Grant)	1,100,000 EUR
2018/19	LIEMARS Star Lake Research Grant	15,000 EUR
2016	Publication Award – LIESMARS Star Lake Award	1,500 EUR
2012–2016	Doctoral scholarship – Chinese Scholarship Council	per y -14,000 EUR
2012–2014	Doctoral scholarship – German Academic Exchange Service	per y -7,000 EUR
2010	Top 10% of all students in NRW cut BAföG student loan by	25%
2009	UN short term grant – German Academic Exchange Service	-1,000 EUR

TEACHING & SUPERVISION

Lecturer, "3-Day Python Programming for Geospatial Data" (Wuhan University, 2018, multiple times), -15 students.

Supervision of 4 MSc students at Wuhan University and 2 at Ruhr University Bochum, topics in DGGS, EO data, and programming.

SELECTED PUBLICATIONS & STANDARDS

Gino Caspari, João dos Santos Manuel, Ana Gago-Silva, Michael Jendryke. (2024). *Employing discrete global grid systems for reproducible data obfuscation*. Nature Scientific Data 11, 509 (2024). <https://doi.org/10.1038/s41597-024-03354-5>

Michael Jendryke and Stephen C. McClure. (2021). *Spatial Prediction of Sparse Events Using a Discrete Global Grid System; a Case Study of Hate Crimes in the USA*. International Journal of Digital Earth 0 (0): 1–17. <https://doi.org/10.1080/17538947.2021.1886356>

Michael Jendryke and Stephen C. McClure. (2019). *Mapping crime – Hate crimes and hate groups in the USA: A spatial analysis with gridded data*. Applied Geography 111 (3). <http://dx.doi.org/10.1016/j.apgeog.2019.102072>

Michael Jendryke, Timo Balz, Stephen C. McClure, and Mingsheng Liao. (2017). *Putting People in the Picture: Combining Big Location-Based Social Media Data and Remote Sensing Imagery for Enhanced Contextual Urban Information in Shanghai*. Computers, Environment and Urban Systems 62: 99–112. <https://doi.org/10.1016/j.compenvurbsys.2016.10.004>

Co-author, submitter and now approved standard:

Open Geospatial Consortium. (2025). *OGC API – Discrete Global Grid Systems – Part 1: Core (Version 1.0, OGC Standard 21-038r1)*. <https://docs.ogc.org/is/21-038r1/21-038r1.html>

INDUSTRY & ENTREPRENEURSHIP

Co-FOUNDER & CTO

GeolInsight, Germany/Switzerland

5/2022 – present

- PI on ESA BIC and related projects focusing on scalable DGGS-enabled GeoAI workflows and AI-ready data products.
- Led the technical vision and architecture of a Rust-based DGGS spatial tokenization platform, including core libraries, APIs, and data models.
- Designed and optimized databases and data pipelines for high-performance DGGS/GeoAI processing on large Earth observation and geospatial datasets.
- Co-author of the OGC API – Discrete Global Grid Systems (DGGS) API standard, aligning implementation with emerging OGC/ISO specifications.
- Secured public and private funding (e.g. ESA, national grants, commercial contracts) and managed project budgets and deliverables.
- Built and led a small interdisciplinary team, coordinating collaborations with partners such as ESA, Airbus, and PwC.
- Senior author of a *Scientific Data* (Nature Portfolio) paper on location security using DGGS.

REMOTE SENSING ANALYST @UNOSAT

UN Institute for Training and Research, Switzerland

8/2009 – 2/2011

- Analyzed and visualized 20+ natural disasters, including the 2010 Haiti earthquake and 2011 Pakistan floods, using optical and microwave satellite data. Delivered actionable insights to ground teams under 48-hour time constraints.
- Conducted flood mapping with advanced remote sensing, ensuring less than 3% reported errors in field verification.
- Assessed civil conflicts in Sri Lanka, Kyrgyzstan, and South Sudan via high-resolution satellite imagery, contributing intelligence for UN security reports.
- Developed training materials, tutorials, and datasets for remote sensing methodology courses.

WATER RESOURCES ANALYST

Association for Water and Rural Development (AWARD), South Africa

6/2007 – 10/2007

- Conducted the first-ever land cover change analysis for six South African villages using historical aerial imagery and GIS, revealing urban expansion and agricultural decline during Apartheid.
- Co-Authoring a 150-page water resource management guide, simplifying government policies for stakeholders.
- Delivered spatial analysis that influenced financial development negotiations.

EDUCATION

DOCTOR OF ENGINEERING (DR.-ING.) – PHOTOGRAMMETRY & REMOTE SENSING

Wuhan University, China & Technical University Munich, Germany (first 2 yrs.)

6/2012 – 1/2017

Thesis title: *Inferring Shanghai's Urban Vibrancy Using Microwave Remote Sensing and Big Social Sensing Data*, supervised by Professor Liao Mingsheng and Professor Timo Balz

Created an urban vibrancy index by analyzing ~1TB of remote sensing data and 110+ million web-scraped, location-based social media messages.

Key coursework: Advanced Remote Sensing, Spatial Statistics & Analysis, Spatiotemporal Big Data Analytics, Data Science.

Skills & achievements: Scientific writing & communication, proposal writing, PhD project management (2+ years), problem-solving, analytical thinking.

MASTER OF SCIENCE – GEOGRAPHY & GEOMATICS

Ruhr University Bochum, Germany

9/2008 – 10/2010

Thesis title: *System Development for Flood Analysis Using Radar Remote Sensing Data*

Developed and optimized flood detection algorithms for UNOSAT, improving processing time and accuracy.

GPA: 3.65/4.00 (Top 15% of students in my province, resulting in a 25% student loan reduction).

Skills & coursework: Remote Sensing, GIS, Spatial Analysis, Cartography.

BACHELOR OF SCIENCE – GEOGRAPHY

Ruhr University Bochum, Germany

9/2005 – 8/2008

Thesis title: *Spatial Investigation of Six South African Settlements – A Qualitative Aerial Photo Analysis*

Baseline research on settlement development, used by AWARD and other institutions.

Skills & coursework: Physical & Human Geography, Geosciences, Geomatics.

Internship: Conducted GIS-based land cover analysis in South Africa.

PUBLICATIONS

PEER-REVIEWED JOURNAL ARTICLES

1. Gino Caspari, João dos Santos Manuel, Ana Gago-Silva, Michael Jendryke. (2024). *Employing discrete global grid systems for reproducible data obfuscation*. Nature Scientific Data 11, 509 (2024). <https://doi.org/10.1038/s41597-024-03354-5>
2. Michael Jendryke and Stephen C. McClure. (2021). *Spatial Prediction of Sparse Events Using a Discrete Global Grid System; a Case Study of Hate Crimes in the USA*. International Journal of Digital Earth 0 (0): 1–17. <https://doi.org/10.1080/17538947.2021.1886356>

3. Li, Xi, Xiya Li, Deren Li, Xiaojun He, and Michael Jendryke. (2019). *A Preliminary Investigation of LuoJia-1 Night-Time Light Imagery*. Remote Sensing Letters 10 (6): 526–35.
<https://doi.org/10.1080/2150704X.2019.1577573>
4. Caspari, Gino, Simon Donato, and Michael Jendryke. (2019). *Remote Sensing and Citizen Science for Assessing Land Use Change in the Musandam (Oman)*. Journal of Arid Environments.
<https://doi.org/10.1016/j.jaridenv.2019.104003>
5. Michael Jendryke and Stephen C. McClure. (2019). *Mapping crime – Hate crimes and hate groups in the USA: A spatial analysis with gridded data*. Applied Geography 111 (3).
<http://dx.doi.org/10.1016/j.apgeog.2019.102072>
6. Liu, Shanshan, Xi Li, Noam Levin, and Michael Jendryke. (2019). *Tracing Cultural Festival Patterns Using Time-Series of VIIRS Monthly Products*. Remote Sensing Letters 10 (12): 1172–81.
<https://doi.org/10.1080/2150704X.2019.1666313>
7. Balz, Timo, Prosper Washaya, and Michael Jendryke. (2019) *Urban Change Monitoring Using Globally Available Sentinel-1 Imagery*. In BGDD5 2018 – 2018 International Workshop on Big Geospatial Data and Data Science. <https://doi.org/10.1109/BGDD5.2018.8626814>
8. Zhu, Ruoxin, Diao Lin, Michael Jendryke, Chenyu Zuo, Linfang Ding, and Liqiu Meng. (2018). *Geo-Tagged Social Media Data-Based Analytical Approach for Perceiving Impacts of Social Events*. ISPRS International Journal of Geo-Information 8 (1): 15.
<https://doi.org/10.3390/ijgi8010015>
9. Li, Xi, Shanshan Liu, Michael Jendryke, Deren Li, and Chuanqing Wu. (2018). *Night-Time Light Dynamics during the Iraqi Civil War*. Remote Sensing 10 (6). <https://doi.org/10.3390/rs10060858>
10. Caspari, Gino, and Michael Jendryke. (2017). *Archsphere – A Cluster Algorithm for Archaeological Applications*. Journal of Archaeological Science: Reports 14 (May): 181–88.
<https://doi.org/10.1016/j.jasrep.2017.05.052>
11. Michael Jendryke, Timo Balz, and Mingsheng Liao. (2017). *Big Location-Based Social Media Messages from China's Sina Weibo Network: Collection, Storage, Visualization, and Potential Ways of Analysis*. Transactions in GIS 21 (4): 825–34. <https://doi.org/10.1111/tgis.12266>
12. Michael Jendryke, Stephen C. McClure, Timo Balz, and Mingsheng Liao. (2017). *Monitoring the Built-up Environment of Shanghai on the Street-Block Level Using SAR and Volunteered Geographic Information*. International Journal of Digital Earth 10 (7): 675–86.
<https://doi.org/10.1080/17538947.2016.1216616>
13. Michael Jendryke, Timo Balz, Stephen C. McClure, and Mingsheng Liao. (2017). *Putting People in the Picture: Combining Big Location-Based Social Media Data and Remote Sensing Imagery for Enhanced Contextual Urban Information in Shanghai*. Computers, Environment and Urban Systems 62: 99–112. <https://doi.org/10.1016/j.compenvurbsys.2016.10.004>
14. Michael Jendryke, Stephen C McClure, Timo Balz, and Mingsheng Liao. (2016). *Monitoring the Built-up Environment of Shanghai on the Street-Block Level Using SAR and Volunteered Geographic Information*. International Journal of Digital Earth 0 (0): 1–12.
<https://doi.org/10.1080/17538947.2016.1216616>
15. Wei, Lianhuan, Mingsheng Liao, Timo Balz, Kang Liu, and Michael Jendryke. (2013). *High-Resolution Tomosar & PS-LnSAR Analysis in Urban Areas*. In European Space Agency, (Special Publication) ESA SP. Vol. 704 SP.
16. Michael Jendryke, Timo Balz, Houjun Jiang, Mingsheng Liao, and Uwe Stilla. (2013). *Using Open-Source Components to Process Interferometric TerraSAR-X Spotlight Data*. International Journal of Antennas and Propagation 2013. <https://doi.org/10.1155/2013/275635>
17. Balz, Timo, Lianhuan Wei, Michael Jendryke, Daniele Perissin, and Mingsheng Liao. (2012). *Tomosar and PS-InSAR Analysis of High-Rise Buildings in Berlin*. In Proc. IGARSS 2012, 447–50. IEEE. <https://doi.org/10.1109/IGARSS.2012.6351542>
18. Michael Jendryke, Timo Balz, Mingsheng Liao, and Uwe Stilla. (2003). *Measuring Shanghai's Urban Growth since 2003 Using ENVISAT ASAR*. In International Symposium on Remote Sensing of Environment ISRSE35, 1–7.

STANDARDS

1. Open Geospatial Consortium. (2025). *OGC API – Discrete Global Grid Systems – Part 1: Core (Version 1.0, OGC Standard 21-038r1)*. <https://docs.ogc.org/is/21-038r1/21-038r1.html>

PROCEEDINGS

1. Michael Jendryke, João Manuel, Ludovic Augé, Emmanuel Mondon, and Gino Caspari. (2025). *An Interoperable Data Economy to Enable GeoAI via Spatial Tokenizers (DGGS)* In: Kempenners, Lumnitz, and Albani, Proceedings of the 2025 conference on Big Data from Space (BiDS'25), Publications Office of the European Union, Luxembourg, 2025, JRC143704., pp. 109–112. <https://data.europa.eu/doi/10.2760/2119408>
2. Michael Jendryke, João Manuel, and Gino Caspari (2025) *Eine interoperable Fernerkundungsdaten- wirtschaft zur Ermöglichung von GeoAI*, Geomatik Schweiz
3. Michael Jendryke, Timo Balz, and Mingsheng Liao. (2016). *Observing urban built-up change in Shanghai with SAR imagery*, Proceedings IGARSS 2016, Beijing, pp. 1788–1791, 2016. <https://doi.org/10.1109/IGARSS.2016.7729459>
4. Michael Jendryke, Mingsheng Liao, and Timo Balz (2013) *Using ENVISAT ASAR for urbanization surveillance in Shanghai*, Proc. 2013 Dragon Symposium, Palermo, Italy
5. Timo Balz, Lianhuan Wei, Michael Jendryke, Daniele Perissin, and Mingsheng Liao (2012) *TomoSAR and PS-InSAR analysis of high-rise buildings in Berlin*, IGARSS 2012 Proceedings, <https://doi.org/10.1109/IGARSS.2012.6351542>
6. Lianhuan Wei, Mingsheng Liao, Timo Balz, K. Liu, and Michael Jendryke (2012) *High-resolution TomoSAR & PS-InSAR analysis in urban areas*, Proceedings Dragon 2&3 Symposium, Beijing, China

PRESENTATIONS (ONLY ORAL AND AS PRESENTER)

1. Michael Jendryke, João Manuel, Ludovic Augé, Emmanuel Mondon, and Gino Caspari. (2025). *An Interoperable Data Economy to Enable GeoAI via Spatial Tokenizers*, ESA Big Data from Space (BiDS'25)
2. Michael Jendryke, João Manuel, and Gino Caspari. (2025). *Intro to DGGS and AI: How data structures can support machine learning + open questions*, Open GeoSpatial Consortium 131st Member Meeting – Rome '25
3. Michael Jendryke. (2019). *Breaking the Wall of Where – Predicting hate crimes*, Falling Walls Innovation Lab, Shanghai, China
4. Michael Jendryke, and Xi Li. (2017). *Observing China's urban development using big data*, ISPRS Workshop on Collaborative and Dynamic Land Cover Information Services Supporting UN Sustainable Development Goals, Jinan, China
5. Michael Jendryke, Guan Lin, Xi Li, Yidong Lou, and Deren Li. (2016). *Benefits of Geospatial Technology in the One Belt One Road Initiative*, Wuhan University – Chinese Scholarship Council Meeting for Doctoral Students, Wuhan, China
6. Michael Jendryke, and Mingsheng Liao. (2016). *Urban vibrancy inference from remote sensing and big social sensing data*, Ministry of Science and Technology – National Science Foundation of China, Annual Key Project Report, Beijing, China
7. Michael Jendryke, Timo Balz, and Mingsheng Liao. (2016). *Urban vibrancy inference from remote sensing and big social sensing data*. School of Remote Sensing and Information Engineering – Doctoral Forum, Wuhan, China
8. Michael Jendryke, Timo Balz, and Mingsheng Liao. (2016). *Collecting, visualizing, and analyzing location-based social media messages from China's Sina Weibo network*, International Symposium on Digital Earth – Digital Earth Summit, Beijing, China
9. Michael Jendryke, Timo Balz, Stephen McClure, and Mingsheng Liao. (2015). *Combining Mobile Social Media Messages and Remote Sensing Results to Identify Urbanization Patterns in China*, American Association of Geographers Annual Meeting AAG, Chicago, USA

10. Michael Jendryke, Timo Balz, and Mingsheng Liao. (2015). *Urban Dynamics in China*. LIESMARS Geoscience Café – Wuhan University, Wuhan, China
11. Michael Jendryke, Timo Balz, Mingsheng Liao, and Zhang Lu. (2013). *Interferometric Processing of TanDEM-X Bi-Static Pairs Using an Open-Source Platform*. TerraSAR-X/TanDEM-X Meeting DLR, Oberpfaffenhofen, Germany
12. Michael Jendryke, Timo Balz, Mingsheng Liao and Uwe Stilla. (2013). *Measuring Shanghai's urban growth since 2003 using ENVISAT ASAR*. International Symposium of Remote Sensing of the Environment ISRSE, Beijing, China
13. Michael Jendryke, and Wendi Petersen. (2010). *Satellite Derived Analysis and Mapping Population Dynamics*, United Nations Fund for Population Activities UNFPA Expert Meeting: Population Dynamics and Climate Change II: Building for Adaption, Mexico City, Mexico (invited talk)

MAPS

- ESRI Inc. (2011) ESRI Map Book Volume 26, pp. 93–95 <http://www.esri.com/mapmuseum>
- UNITAR/UNOSAT (2009–2011) Maps at <https://www.unitar.org/unosat/maps> (Contributions to maps as part of the team)

ACKNOWLEDGEMENTS

- Du Toit D; Pollard S (2012) Public participation in the drafting of catchment management strategies made simple!
- Da Silva, A (2011) Land Use/Land Cover Modelling and Prediction
- Aigner, E. (2010) As Floodwaters Recede, a Crisis Emerges. The New York Times, Sept. 25
- Carvajal, D. (2010) Unrelenting misery in Pakistan. Int. Herald Tribune pp. 4, Aug. 28./29.
- Gall, C. (2010) Extent of the Flooding in Pakistan. The New York Times pp. A10, Aug. 20
- Shankar, R (2010) Accuracy Assessment of Post-Earthquake Building Damage Classification in Haiti

JOURNAL REVIEWER

- Urban Informatics
- Computers, Environment and Urban Systems
- Transactions in GIS
- Geoinformatics & Geostatistics: An Overview
- IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing
- MDPI Remote Sensing

PROFESSIONAL MEMBERSHIP

- Open Geospatial Consortium
- Deutsche Gesellschaft für Kartographie DGfK (German Association for Cartography)
- Open Source Geospatial Foundation (OSGeo)

SKILLS & TRAININGS

KEY COMPETENCIES

Entrepreneurship & Leadership

- Grant Writing
- Research Leadership
- Start-up Strategy
- Business Development
- Product Development
- Partner & Stakeholder Engagement

Geospatial Data & Remote Sensing

- Discrete Global Grid Systems (DGGS)
- Spatial Tokenization
- Earth Observation
- Spatial Indexing
- Remote Sensing
- Geographic Information Systems
- Image Processing
- Spatial Statistics
- SAR/InSAR
- Multi-temporal Analysis

Software & Databases

- PostgreSQL/PostGIS
- DuckDB
- QGIS
- ESRI/ArcGIS
- GDAL/OGR
- ERDAS
- Cloud-based Geospatial Processing
- S3 Storage
- Parquet/Arrow file formats

Programming & Development

- Linux
- Rust
- Python
- C++
- C#
- PL/SQL
- MATLAB
- API Development
- Software Architecture

Languages & Communication

- German (Native)
- English (Fluent)
- Chinese (Beginner)
- Technical Writing
- Public Speaking
- Scientific Communication

VOLUNTEERING

VICE DEAN – FINANCES, 3-QUELLEN VEREIN RUDOLF STEINER KINDERGARTEN, LOHNE

Co-chairing the board of a Waldorf kindergarten (ages 1–6, including special needs) and oversight of finances and staff (~10 personnel).

CO-HOST, ENGLISH CORNER, WUHAN UNIVERSITY

Organized weekly English conversation groups, career coaching and special events (e.g. baseball, Halloween) for students to practice spoken English.

FURTHER LINKS

CURRENT

- My Company <https://geoinsight.ai>
- Personal website <https://michael.jendryke.de>
- Google Scholar <https://scholar.google.com/citations?user=0JVnOF4AAAAJ>
- ResearchGate https://www.researchgate.net/profile/Michael_Jendryke
- LinkedIn <https://www.linkedin.com/in/michaeljendryke/>
- Github <https://github.com/michaeljendryke>
- GeoPlegma <https://github.com/GeoPlegma>

FROM PREVIOUS WORK

- UNOSAT Maps: <https://www.unitar.org/unosat/maps>
- Prof. Xi Li's group: http://www.lmars.whu.edu.cn/prof_web/lixi/en/intlcollab.html



Michael Jendryke, Dr.