

CV Dr. Geraldine Quénéhervé

Nationalities: German, French

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ResearchGate: https://www.researchgate.net/profile/Geraldine_Queneherve/

ACADEMIC EMPLOYMENT

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- 01/03/2019 – 29/02/2020 ● **Research Scientist** at the Department of Earth and Environmental Sciences, University of Pavia (Italy)
SoilScape: Landscape sensitivity versus land use changes in a south-alpine valley (Ticino, Switzerland). Soil properties and erosion modelling.
- 01/01/2016 – 31/12/2018 ● **Research Scientist** at the Department of Geosciences, University of Tübingen (Germany)
Tübingen Urban Living Lab 'Energy-Lab': Transdisciplinary project on Renewable Energies and Participation. GIS potentials of local energy production as well as experiments in real-world settings.
- 01/01/2015 – 31/12/2015 ● **PhD Student** at the Department of Geosciences, University of Tübingen (Germany)
Additional work for the ROCEEH project as well as GIS course development for the GIS-Training Center for Lifelong Learning, Uni Tübingen.
- 01/01/2014 – 31/12/2014 ● **Research Scientist** at the Department of Geosciences, University of Tübingen (Germany)
BMW-Funded. GIS-Analysis of wind energy plant locations in highly complex terrains of South Germany.
- 01/06/2009 – 31/12/2013 ● **Research Assistant**, Heidelberg Academy of Sciences (GER)
Research Centre: The Role of Culture in Early Expansions of Humans (ROCEEH). GIS modelling of paleo-landscapes in Eastern Africa.

SCIENTIFIC INTERESTS

Methods

- Geomorphic Processes and Modelling
- Soil Erosion and Sediment Transport; Pedohydrology
- Geophysical Techniques
- Geoarchaeology and Landscape Reconstruction
- GIS and WebGIS
- Spatial Data Mining and Geo-statistics

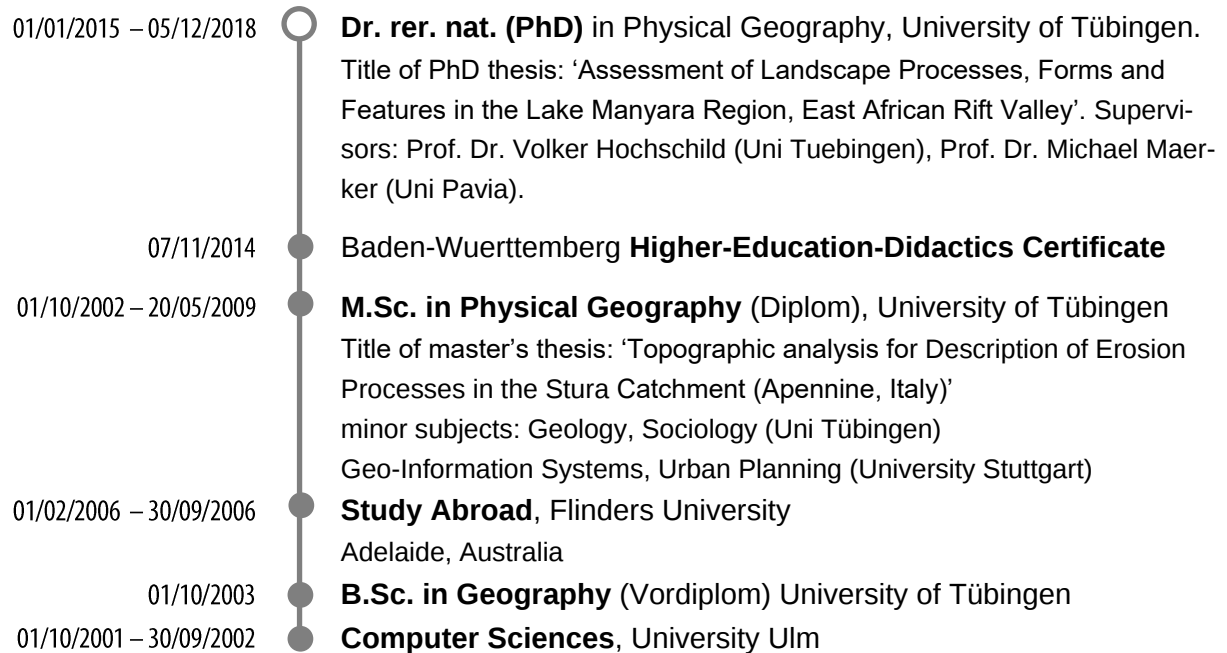
Regional Foci

- **Semi-Arid Environments:** Eastern Africa, Near East, Mediterranean
- **Arid Environments:** Arabian Peninsula, Iran

AFFILIATION

- German Working Group on **Geomorphology** (since 2013).
Deutsche Gesellschaft für Geographie, AK Geomorphologie.

EDUCATION



TEACHING ACTIVITIES

07/11/2014 Higher Education Didactics Certificate

University of Tübingen: Master Physical Geography & Bachelor Geography

- M.Sc. **Computer-Lab** Applied GIS in 2015, 2014, 2013.
- B.Sc. **Seminar** Integrative Project in 2017, 2016, 2015, 2014
- B.Sc. Geographic **Methods II** in 2017
- B.Sc. Geographic **Methods I** - Field Methods in 2017, 2014, 2013, 2012

University Nürtingen-Geislingen: Bachelor Landscape Planning | University Rottenburg: Bachelor Renewable Energy

- Nürtingen: **Lecture** 'Cartography, Research, Statistics'. in 2018, 2017, 2016
- Rottenburg: **Lecture** 'Introduction to GIS' in 2016

Workshops, Summer Schools

- **Workshop** Spatial Data Analysis with R (Pavia, Italy, 2019)
- **Summer School** Natural Hazards and related Sediment Dynamics (Oltrepò, Italy, 2018)
- **Workshop** Geographic Methods for Archaeological Landscapes, ICAR (Teheran, Iran, 2016)
- **Field Training** Archaeological Field School (Reusten, Germany, 2014)

GRANTS/FUNDING

2019/01	●	Erasmus+ Staff Mobility for Teaching Assignment (STA) of the University of Tübingen for Pavia, Italy 1,780 €
2013/07		DAAD Travel Grant for the 8th International Conference on Geomorphology (Paris, France) 680 €
2013/03	●	Tübinger Universitätsbund Travel Grant for the 40th Annual Conference on Computer Applications in Archaeology (Perth, Australia) 500 €
2008/10	●	StufoGeo Student Support from the Institute of Geography, Tübingen for the work on my diploma thesis in Italy. 180 €
2007/08	●	DAAD goEast Grant for the International Summer School organized by the Altai State University, in the Altay Region, Russia 800 €
2006/02-09	●	South Australia – Baden-Württemberg Exchange Program Study Abroad Grant for Flinders University (Adelaide, Australia) 4,200 €

SKILLS

LANGUAGES [CEFR Levels]

- German Mother Tongue
- English C1-C2
- French B2
- Italian B1
- Spanish A2

Software

- Geographic Information Systems GIS (ESRI, QGIS, SAGA-GIS)
- Statistics (R, Salford Systems, SPSS, MaxEnt)
- Data Bases (MapServer); Web (Typo3, html)
- Office Programmes (Word, Excel, PowerPoint)
- Graphic Programmes (Adobe: Photoshop, InDesign, Illustrator)

Licences

- Licence for UAV up to 5 kg
- Driving Licence Classes B, C1, BE, C1E

AUTHOR METRICS

h-index	4	The index is based on the set of the scientist's most cited papers and the number of citations that they have received in other publications.
IF	16.453 [9 of 9 Papers], on average 1.828 per Paper	The impact factor (IF) is a measure of the frequency with which the average article in a journal has been cited in a particular year. The calculation is based on a two-year period and involves dividing the number of times articles were cited by the number of articles that are citable.
SJR	7.198 [8 of 9 Papers], on average 0.900 per Paper	The SJR SCImago Journal Ranking provides a quantitative and qualitative measure of the journal's impact.
SNIP	7.946 [6 of 9 Papers], on average 1.324 per Paper	SNIP (Source Normalized Impact per Paper) measures contextual citation impact by weighting citations based on the total number of citations in a subject field, using Scopus data.

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PEER-REVIEWED JOURNALS

- [9] Giemsch L., Hertler C., Märker M., **Quénéhervé G.**, Saanane C. & F. Schrenk (2018): Acheulean Sites at Makuyuni (Lake Manyara, Tanzania): Results of Archaeological Fieldwork and Classification of the Lithic Assemblages. *African Archaeological Review* 35(1), 87–106, doi.org/10.1007/s10437-018-9284-4.
based on 2017: IF: 1.200 | SJR: 0.862 | SNIP: 1.024
- [8] Tischler J., **Quénéhervé G.** & V. Hochschild (2017): Energiewende vor Ort – Wissenschaft sucht Praxis. Erfahrungen aus dem Energielabor Tübingen. *GAIA* 26/3, 282–283.
doi.org/10.14512/gaia.26.3.14
IF: 1.750 | SJR: 0.547 | SNIP: 0.824
- [7] Bachofer F., **Quénéhervé G.**, Zwiener T., Maerker M. & Hochschild V. (2016): A Comparative Analysis on Edge Detection Techniques in SAR Images. *European Journal of Remote Sensing* 49, 205–224, doi:10.5721/EuJRS20164912.
IF: 1.533 | SJR: 0.555 | SNIP: –
- [6] Flores-Prieto E., **Quénéhervé G.**, Bachofer F., Shahzad F. & Maerker M. (2015): Morphotectonic Interpretation of the Makuyuni Catchment in Northern Tanzania using DEM and SAR data. *Geomorphology* 248, 427–439, doi:10.1016/j.geomorph.2015.07.049.
IF: 2.813 | SJR: 1.441 | SNIP: 1.444
- [5] Bachofer F., **Quénéhervé G.**, Hochschild V. & Maerker M. (2015): Multisensoral Topsoil Mapping in the semiarid Lake Manyara Region, Northern Tanzania. *Remote Sensing* 7(8), 9563–9586, doi:10.3390/rs70809563.
IF: 3.036 | SJR: 1.269 | SNIP: 1.691
- [4] **Quénéhervé G.**, Bachofer F. & Maerker M. (2015): Experimental Assessment of Runoff Generation Processes on Hillslope Scale in a Semiarid Region in Northern Tanzania. *Geografia Fisica e Dinamica Quaternaria* 38(1), 55–66, doi:10.4461/GFDQ.2015.38.06.
IF: 0.641 | SJR: – | SNIP: –

- [3] Maerker M., **Quénéhervé G.**, Bachofer F. & Mori S. (2015): A Simple DEM Assessment Procedure for Gully System Analysis in the Lake Manyara Area, Northern Tanzania. *Natural Hazards* **79**(1), 235–253, doi:10.1007/s11069-015-1855-y.
IF: 1.746 | SJR: 0.851 | SNIP: 1.077
- [2] Bachofer F., **Quénéhervé G.**, Märker M. & Hochschild V. (2015): Comparison of SVM and Boosted Regression Trees for the Delineation of Lacustrine Sediments using Multispectral ASTER Data and Topographic Indices in the Lake Manyara Basin. *Photogrammetrie, Fernerkundung, Geoinformation* **1**, 81–94, doi:10.1127/pfg/2015/0251.
IF: 0.554 | SJR: 0.332 | SNIP: –
- [1] Bachofer F., **Quénéhervé G.** & Märker M. (2014): The Delineation of Paleo-Shorelines in the Lake Manyara Basin Using TerraSAR-X Data. *Remote Sensing* **6**(3), 2195–2212, doi: 10.3390/rs6032195.
IF: 3.180 | SJR: 1.342 | SNIP: 1.886

BOOK CHAPTERS, CONFERENCE PAPERS AND OTHERS

- **Quénéhervé G.** (2018): Mehrfachnutzung von Flächen – solare Energieproduktion im Quartier. *AGIT - Journal für Angewandte Geoinformatik* **4**, 114–122.
- Bachofer F., **Quénéhervé G.**, Hertler C., Giemsch L., Hochschild V. & Maerker M., (2017): Paleoenvironmental Research in the Semiarid Lake Manyara Area, Northern Tanzania: A Synopsis. In: Siart C., Forbriger M. & Bubenzer O. (Eds): *Digital Geoarchaeology*. New Techniques for Interdisciplinary Human-Environmental Research. Natural Science in Archaeology. Springer International Publishing, pp. 123–138. ISBN: 978-3-319-25314-5. doi: 10.1007/978-3-319-25316-9_8.
- **Quénéhervé G.**, Tischler J. & V. Hochschild (2018): Energiewende im Quartier – Ein Ansatz im Reallabor. In: Schnur O. & F Weber (Hrsg.): Bausteine der Energiewende, Raum-Fragen – Stadt, Region, Landschaft. 385–405
- Hochschild V., **Quénéhervé G.** & Tischler J. (2016): ‚Energielabor Tübingen‘ – Gemeinsam zu Energiewende. In: Blattner E. & Ratzeburg W. (Hrsg.): Hinter der Fassade. Tübinger Altstadtgeschichten. Tübinger Kataloge 103, 51–57. ISBN: 978-3-941818-31-6.
- **Quénéhervé G.**, Alle M., Schwab A. & Rosner H.-J. (2016): Modellierung der naturräumlichen Einheiten Baden-Württembergs mit Boosted Regression Trees. *AGIT - Journal für Angewandte Geoinformatik* **2**, 204–212.
- Bachofer F., Hochschild V., Maerker M., Eberle J., **Quénéhervé G.**, Neder T., Jasim S., Uerpmann H.-P., Parker A., Bubenzer O., Preusser F. & Hecht S. (2015): Geomorphodynamics and Landscape Reconstruction at Archaeological Sites at the Jebel Faya Range. *Sharjah Antiquities* **14**, 47–59.
- Märker M., Bachofer F., **Quénéhervé G.**, Hertler C., Sanaane C., Giemsch L. & Thiemeyer H. (2013): Modelling the spatial distribution of Paleontological sites in the Makuyuni region, Tanzania. In: Contreras F., Farjas M. and Melero F. J. (Eds.) 2013. Fusion of Cultures. Proceedings of the 38th Annual Conference on Computer Applications and Quantitative Methods in Archaeology, Granada, Spain, April 2010, BAR International Series 2494, Archaeopress, Oxford, 523-529.

ORGANISED CONFERENCE SESSION

- **Quénéhervé G.** & M. Maerker: Advantages and Limitations of Spatial Applications in Archaeology. 46th Computer Applications in Archaeology and Quantitative Methods in Archaeology Conference (Tübingen, Germany) 19-23 March 2018.