

Mona Bartling

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[University of Salzburg](#)¹ | [Google Scholar](#)²

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I am a doctoral student and researcher in geoinformatics with a strong focus on map design usability, map use context, and map design adaptations. I have 5+ years work experiences in the sector of digital agriculture with work appointments in various international research institutes. I have a passion for cartographic design, and I am aiming to look at the margins of map design solutions.

EDUCATION

- Since 2017 Doctoral program in Applied Geoinformatics
Associated (since 2017) and FWF-funded (since 2020) student at the Doctoral College GIScience
Department of Geoinformatics – Z_GIS, University of Salzburg, Austria
Thesis: The impact of user context on map design usability
Advisor: Prof. Thomas Blaschke
- 2015 M.Sc. Applied Geoinformatics (graduated with 1.1)
University of Salzburg, Austria
- 2012 B.A. Educational Science (focus Geography; graduated with 1.7)
University of Bremen, Germany

RESEARCH POSITIONS

- Since 2020 Researcher at the Doctoral College GIScience, Department of Geoinformatics – Z_GIS, University of Salzburg, Austria
Research focus on analyzing user-centered design approaches for context-based map design usability.
- 2017-2019 Researcher at the Department of Geoinformatics – Z_GIS, University of Salzburg, Austria – BMZ funded project "Climate smart coffee and cocoa: from theory to practice (CSCC)" with research appointments at the International Center for Tropical Agriculture (CIAT), Cali, Colombia and the International Institute of Tropical Agriculture (IITA), Kampala, Uganda
Research focus on designing mapping tools for citizen participation and farmer collaboration.
- 2015-2017 Visiting researcher at the International Center for Tropical Agriculture (CIAT), Cali, Colombia
Research focus on the design of offline maps and the usability of collaborative mobile map applications for smallholder farmers.
- 2014-2015 Research assistant at RSA, Studio iSPACE, Salzburg, Austria

¹ plus.ac.at/zgis/fachbereich/team/bartling

² scholar.google.com/citations?user=3GoPCC0AAAAJ

- Research focus on the evaluation of a demand potential for the public transportation system of Salzburg.
- 2013 Research assistant at the Centre for Demographic and Health Research (CIDS), UNAN-León, Nicaragua
- Research focus on geoprocessing and spatial analysis of demographic data.
- 2011 Research assistant at the Department of Geography, University of Bremen, Germany
- Research focus on spatial analyses for the development of a Business Improvement District in Bremen.

SCHOLARSHIPS AND AFFILIATIONS

- Since 2020 NACIS membership
- Since 2017 Associate student at the Doctoral College GIScience, Department of Geoinformatics – Z_GIS, University of Salzburg, Austria
- 2015-2020 Thesis coordinator of the academic committee at UNIGIS, Latin America
- 2013-2014 DAAD scholarship (German Academic Exchange Service) for a 12-months study appointment at UNAN-León, Nicaragua
- 2013 Associate of the Salzburg-León city cooperation
- 2011-2012 Erasmus scholarship for a 6-months study appointment at the University of Gothenburg, Sweden

RESEARCH

PUBLISHED ARTICLES

- Bartling, M., Robinson, A. C., Resch, B., Eitzinger, A., & Atzmanstorfer, K. (2021). The Role of User Context in the Design of Mobile Map Applications. *Cartography and Geographic Information Science*. <https://doi.org/10.1080/15230406.2021.1933595>
- Bartling, M., Resch, B., Trösterer, S., & Eitzinger, A. (2021). Evaluating PPGIS Usability in a Multi-National Field Study Combining Qualitative Surveys and Eye-Tracking. *The Cartographic Journal*. <https://doi.org/10.1080/00087041.2020.1842143>
- Eitzinger, A., Bartling, M., Feil, C., Bonilla-Findji, O., Andrieu, N., & Jarvis, A. (2020). GeoFarmer App: A tool to complement extension services and foster active farmers participation and knowledge exchange. Report available: <https://cgspace.cgiar.org/handle/10568/107365>
- Eitzinger, A., Cock, J., Atzmanstorfer, K., Binder, C. R., Läderach, P., Bonilla-Findji, O., Bartling, M., ... & Jarvis, A. (2019). GeoFarmer: A monitoring and feedback system for agricultural development projects. *Computers and electronics in agriculture*, 158, 109-121. <https://doi.org/10.1016/j.compag.2019.01.049>
- Bartling, M., Resch, B., Eitzinger, A., & Zurita-Arthos, L. (2019). A multi-national human-computer interaction evaluation of the public participatory GIS GeoCitizen. *GI_Forum 2019*, 7, 19-39. https://doi.org/10.1553/giscience2019_01_s19
- Bartling, M., Sotelo, S., Eitzinger, A., & Atzmanstorfer, K. (2016). Press the Button: Online/Offline Mobile Applications in an Agricultural Context. *GI_Forum 2016*, 4, 106-116. https://doi.org/10.1553/giscience2016_01_s106

Sudmanns, M., Cadus, S., & Bartling, M. (2015). Geodata-based Alerting Service (GAS): A Conceptual Framework to Create Notifications Based on Spatial and Temporal Data. *GI_Forum*, 2015, 6-15. <https://doi.org/10.1553/giscience2015s6>

SELECTED CONFERENCE, WEBINAR, AND WORKSHOP PRESENTATIONS

- 2021 “When things go wrong –conducting research during a pandemic” ICA workshop on Adaptable Research Methods For Empirical Research with Map Users (cogvis.icaci.org/21_adaptable.html)
- 2020 “Digital tools for farmers advisory and climate action” online webinar series of the CGIAR Platform for Big Data in Agriculture (bigdata.cgiar.org/blog-post/webinar-digital-tools-for-farmers-advisory-and-climate-action)
- 2019 “A multi-national human–computer interaction evaluation of the public participatory GIS GeoCitizen” GI_Forum conference presentation, Salzburg, Austria
- 2018 “Smart monitoring of farm labor productivity” pitch invitation as one of the inspire challenge finalists at the Big Data in Agriculture Convention 2018, Nairobi, Kenya
- 2017 “‘Flat’ Learning Alliance for Extension” pitch invitation as one of the inspire challenge finalists at the Big Data in Agriculture Convention 2017, Cali, Colombia