Christoph Fink
+43 512 507 54016 • christoph.fink@christophfink.com
christophfink.com • orcid.org/0000-0003-1251-9726

Curriculum Vitae

October 2026

EDUCATION

University of Helsinki, Finland
2017-2021 PhD in *Interdisciplinary Environmental Sciences*
(graduated *with distinction*)

Pontificada Universidad Católica del Ecuador, Quito, Ecuador
2015 *Spanish* (no formal degree)

Paris Lodron University Salzburg, Austria
2011-2014 doctoral studies in *Applied Geoinformatics*
(accrued credits transferred to the University of Helsinki 2017)

University of Vienna, Austria
2004-2011 MSc in *Geography,* major in *Cartography and Geoinformation*
(graduated *with distinction*)

Johannes Gutenberg University Mainz, Germany
2008 semester abroad

ACADEMIC AND PRACTICAL EXPERIENCE

University of Innsbruck, Austria
2026- senior scientist, Department of Geography,
Geoinformatics Working Group

University of Vienna, Austria
2024-2026 postdoctoral fellow, Department of Social and Cultural Anthropology,
Marie Skłodowska-Curie Action *Performing as the expert: urban activists' roles and identities online and offline*

University of Helsinki, Finland
2021-2024 postdoctoral researcher, Digital Geography Lab, Horizon 2020 project *URBANAGE*

2019-2021 researcher, Helsinki Lab of Interdisciplinary Conservation Science, European Research Council project *Wildtrade*

2017-2019 researcher, Digital Geography Lab, Suomen Akatemia project *Investigating illegal wildlife trade*

University of Vienna, Austria
2016-2017 researcher, Department of Social and Cultural Anthropology, FWF project *Configurations of Remoteness*

Paris Lodron University Salzburg, Austria
2011-2014 researcher, Interfaculty Department of Geoinformatics Z_GIS

Freytag-Berndt & Artaria, cartographic publishing house, Vienna, Austria
2007-2013 map editor, developer for web cartography

occasionally projects in the fields of data visualisation and cartography, *examples on the following pages*

TEACHING EXPERIENCE

University of Innsbruck, Austria

2026- Methods in Geoinformatics: Advanced Analysis
lecture/practical course (VU)

University of Vienna, Austria

2026 Anthropology of Cycling
methods seminar and field course,
together with Sanderien Verstappen

2025 Visual Methods for Anthropologists
lecture/practical course (VU), one session ('Participatory mapmaking') out of six;
course main teacher: Sanderien Verstappen

Aalto University, Finland

2025 *Technology and Society*
guest lecture: 'Digital Governance and Equality'

University of Helsinki, Finland

2023 *Scientific thinking, history and concepts of geography*
seminar, one session out of five; course main teacher: Lotta Junnilainen

Digital Geographies and Big Data for society
seminar, one session out of five; together with Olle Järv, Tuuli Toivonen, Kamyar Hasanzadeh

2022 *Automating GIS processes*
lecture/practical lab course, course main teacher

GEO-Python
lecture/practical lab course; course main teacher: Dave Whipp

2021, 2019, 2018 *Open GIS and Spatial Data Infrastructure*
lecture/practical lab course (Moodle); one practical module out of seven; course main teacher: Elias Willberg

2020 *GIS project work*
supervising one group, together with Enrico Di Minin; course main teacher: Petteri Muukkonen

2019, 2018 *Urban GIS and Visual Tools*
lecture/practical lab course; guest lecture; course main teachers: Rami Ratvio, Sara Todorovic

2018, 2017 *Automating GIS processes*
practical lab course; one practical module out of seven; course main teachers: Henrikki Tenkanen, Dave Whipp

2018 *Methods for evaluating human preferences*
lecture/practical lab course; together with Enrico Di Minin (course main teacher), Anna Hausmann,
Gonzalo Cortés-Capano, Anna Haukka

University of Vienna, Austria

2016, 2017 *Urban Analysis III*
practical lab course; one out of four modules, together with Michael Holzapfel; main course teacher: Ramon Bauer

2013, 2014 *Open GIS and Open Data in Geographic Information Data Handling*
practical lab course, main course teacher

2012 *Webmapping*
introductory seminar, main course teacher

University of Salzburg, Austria

2012 *Geosimulation*
lecture/practical course, main course teacher

SUPERVISION EXPERIENCE

2024 Eemil Haapanen: Cartographic interaction for exploring travel time matrices – the development of an interactive web map and a user survey. Master's thesis, Master's programme in Geography, study track Geoinformatics, University of Helsinki

Roope Heinonen: Green Paths 2.0: Developing a transferable multi-objective environmental exposure optimizing route planning tool for active travel. Master's thesis, Master's programme in Geography, study track Geoinformatics, University of Helsinki

2023 Eero Perola: Driving speed deviation from the speed limits – an analysis using floating car data in the Helsinki Metropolitan Area. Master's thesis, Master's programme in Geography, study track Geoinformatics, University of Helsinki

2021 Petteri Muilu: Remote Sensing of Acid Sulfate Soils using Deep Learning and Aerial LiDAR Data. Master's thesis, Master's Programme in Data Science, University of Helsinki.

EVALUATION OF THESES

2022 Kayleigh C. Kavanagh: Identifying Intrinsic, Instrumental, and Relational Values in Kumpula, Helsinki. A Participatory Mapping Study. Master's thesis, Master's programme in Environmental Change and Global Sustainability, University of Helsinki.

RESEARCH FOCUS

urban transformation, active mobility
processes of appropriation of space(s)
cities as possibility spaces for political and social participation
biodiversity conservation
cartography, cartography as discourse
volunteered geographic information (VGI)
big data (e.g., social media)
machine-learning/artificial intelligence
data visualisation, data science
spatial and spatio-temporal phenomena

SELECTED PUBLICATIONS

under review Steindl-Kopf & Fink: Mobilität. In: Kobi & Acosta Garcia (eds): *Handbuch Stadtanthropologie*.

Jalkanen, Fink, Kivistö, Virtanen, Kujala & Moilanen: Cartographic visualisation of spatial priority rankings in conservation biology *(working title)*.

in preparation Fink, Klumpenhouwer, Pereira & Tenkanen: R^{5}py: multimodal travel time matrices from open data.

2024 Fink, Willberg, Klein, Heikinheimo & Toivonen: A travel time matrix for the Helsinki region 2023, sensitive to time, mode and interpersonal differences. *Scientific Data*.

Willberg, Fink, Klein, Heinonen & Toivonen: 'Green or short: choose one' - a comparison of walking accessibility and greenery in 43 European cities. *Computers, Environment and Urban Systems*.

2023 Tupasela, Devis Clavijo, Salokannel & Fink: Older people and the Smart City – developing inclusive practices to protect and serve a vulnerable population. *Internet Policy Review*.

Willberg, Fink & Toivonen: The 15-minute city for all? – Measuring individual and temporal variations in walking accessibility. *Transport Geography* 106.

Willberg, Fink & Toivonen: Towards equitable 20-minute neighbourhoods. Town & Country Planning 92(3).

2022 O'Hern, Willberg, Fink & Useche: Relationships among Bicycle Rider Behaviours, Anger, Aggression, and Crashes in Finland. *Safety* 8(1).

Sancho-Reinoso, Saxinger, Fink, et al.: Mapping hierarchies of mobility in the Baikal Amur Mainline region: A quantitative account of needs and expectations relating to railroad usage. *Polar Geography* 45(3).

2021 Fink, Toivonen, Correia & Di Minin: Mapping the online songbird trade in Indonesia. *Applied Geography* 134.

Di Minin & Fink, Hausmann, Kremer, Kulkarni: How to address data privacy concerns when using social media data in conservation science. *Conservation Biology* 35(2).

2020 Fink, Hausmann & Di Minin: Online sentiment towards iconic species. *Biological Conservation* 108289.

2019 Toivonen, Heikinheimo, Fink, Hausmann, Hiippala, Järv, Tenkanen & Di Minin: Social media data for conservation science: a methodological overview. *Biological Conservation* 233.

2018 Di Minin, Fink, Tenkanen & Hiippala: Machine learning for tracking illegal wildlife trade on social media. *Nature Ecology & Evolution* 2(3).

2013 Fink & Koch: Urban Segregation Revisited: incorporating cognitive space representations into agent-based residential models. In: Koch, A., Mandl, P. (Eds.), *Modelling Social Phenomena in Spatial Context (=Geosimulation Vol. 2)*.

2011 Fink: Mapping together: on collaborative implicit cartographies, their discourses, and space construction. *meta-carto-semiotics – Journal for Theoretical Cartography* 4.

FILMS

2025 Daily News. With Furqan Faridi and Joan Rodillas, Ethnocineca Filmwerkstatt 2025
vimeo.com/1083822984

SELECTED PROJECTS

2018	POREM.wien	interactive spatio-temporal data visualisation of places of remembrance relating to austro-fascism and national socialism
2017	Weltmuseum Wien: global flow of people	an interactive installation commissioned by the ethnographic museum *Weltmuseum Wien*, for its permanent exhibition 'World in Motion'
2016	austromorph.space	anamorphic maps ('cartograms') on topics of societal, political, and economical relevance
2016	beyondgentrification.com	data-driven, interactive maps visualising the results of a multi-local, multi-paradigmatic research project
2015	wirel-project.at/maps	interactive map showing the religious and ethnic diversity of Vienna

SELECTED SOFTWARE

2022 Python wrapper for the R5 routing analysis engine
github.com/r5py

Cartogram library extending GeoPandas
pypi.org/project/cartogram

2021 Python library to download images from Google's StreetView
pypi.org/project/streetviewdownloader

Python library to download complete histories of data and metadata of the microblogging platform Twitter
pypi.org/project/twitterhistory

2020 Python library to download data and metadata from the photography platform Flickr
pypi.org/project/flickrhistory

2017 QGIS cartogram plugin
christophfink.com/blog/cartogram-plugin-for-qgis3

HONORARY ACTIVITY

2025- member of the internal ethics review board, Department of Social and Cultural Anthropology, University of Vienna

2024-2025 convenor of the *Wednesday Seminar* series, Department of Social and Cultural Anthropology, University of Vienna

2020-2023 trainer, bicycle courses for adult learners, Helsingin Polkupyöräilijät/Pyöräliitto

2005-2014 member of the European Geography Association for Students and Young Geographers (EGEA), workshop leader, congress organiser, editor of congress proceedings

2007-2009 student spokesperson on the board of the German Society for Geography (DGfG)

PRIZES, AWARDS, AND GRANTS

2023 Marie Skłodowska-Curie Action Postdoctoral Fellowship, supervised by Sanderien Verstappen, University of Vienna

2019 1st prize in the Map Awards (category Digital Products) of the International Cartographic Conference, Tokyo, Japan for the interactive data visualisation project Politics of Remembrance (POREM.wien)

2016 member of the winning team, Copernicus Earth Observation Data Hackathon, Vienna, Austria

LANGUAGES

German (native tongue)

English (full professional proficiency)

Spanish (fluent)

Finnish (intermediate, CEFR level B2)

French (beginner, CEFR level A2)

COMPUTER SKILLS

programming, script and markup languages: Python, Bash, R, Javascript/ES6, PHP, C#, Java, Kotlin

data analysis and visualisation: Pandas, GeoPandas, Numpy/SciPy, R, Tableau, NLTK, Spacy, matplotlib, seaborn, ggplot, Inkscape, Adobe Creative Suite, Blender, d3js

geographic information systems, cartography: QGIS, GDAL/OGR, ESRI ArcGIS, Grass GIS, PostGIS, GeoPandas, UMN MapServer, OpenLayers, Leaflet, Mapbox/Maplibre, GeoServer

database systems: PostgreSQL/PostGIS, MySQL/MariaDB, SQLite, CouchDB, MongoDB, LDAP, Oracle

containerisation/orchestration: Docker, Kubernetes, OpenStack

systems administration: systemd/SysVinit (e.g., GNU/Linux, FreeBSD), Ansible, Apple MacOS, Microsoft Windows

REFERENCES

Associate Professor Sanderien Verstappen, Department of Social and Cultural Anthropology, University of Vienna, sanderien.verstappen@univie.ac.at

Professor Tuuli Toivonen, Department of Geosciences and Geography, University of Helsinki, tuuli.toivonen@helsinki.fi

Professor Alois Humer, Institute of Spatial Planning, Technical University of Vienna, alois.humer@oeaw.ac.at

Professor Gertrude Saxinger, Department of Geography and Regional Science, University of Graz, gertrude.saxinger@univie.ac.at

Ramon Bauer, Statistics Vienna, City of Vienna, ramon.bauer@wien.gv.at