

FLORIAN GOLLNOW - CURRICULUM VITAE

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EDUCATION

- 2012 - 2018 **PH.D. GEOGRAPHY**
Applied Geoinformation Science Lab, Geography Department, Humboldt-Universität zu Berlin, Berlin, Germany
Theses: Land-use change and land-use displacement dynamics in Mato Grosso and Pará, Brazilian Amazon (DOI: <https://doi.org/10.18452/18732>), Supervised by Prof. Tobia Lakes
- 2003 - 2012 **DIPLOMA (MASTER EQUIVALENT) GEOGRAPHY**
Geography Department, Humboldt-Universität zu Berlin, Berlin, Germany
Theses: Forest Fragmentation in African Protected Ecosystems, Supervised by Prof. Tobias Kümmerle

PROFESSIONAL APPOINTMENTS

- 06/2020 **Postdoctoral Researcher**, Department of Earth and Environment, Boston University & Environmental Policy Lab, ETH Zürich
Evaluating companies zero-deforestation commitments in food commodities (Funded by NSF)
Analyzing land use change and carbon cycles in the Caucasus (Funded by NASA)
- 05/2018 - 6/2020 **Postdoctoral Fellow**, National Socio Environmental Synthesis Center (SESYNC), University of Maryland
Evaluating companies zero-deforestation commitments in food commodities (Funded by NSF)
- 10/2017 - 03/2018 **Postdoctoral Researcher**, Applied Geoinformation Science Lab, Geography Department, Humboldt-Universität zu Berlin
Land-prices and agricultural change in Brandenburg, Germany (Funded by DFG)
- 03/2017 - 09/2017 **Guest Lecturer & Guest Researcher**, Applied Geoinformation Science Lab, Geography Department, Humboldt-Universität zu Berlin
Head of the Applied Geoinformation Science Lab
- 11/2016 - 12/2016 **Research Associate**, Farm Management Group, Department of Agricultural Economics & Applied Geoinformation Science Lab, Geography Department, Humboldt-Universität zu Berlin
Land-prices and agricultural change in Brandenburg, Germany (Funded by DFG)
- 10/2011 - 08/2016 **Research Associate** Applied Geoinformation Science Lab, Geography Department, Humboldt-Universität zu Berlin
Evaluating land use displacement and land use change in Southern Amazonia (Funded by BMBF)

PEER-REVIEWED PUBLICATIONS

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|--------------------------|---|
| <i>UNDER REVIEW 2021</i> | Vijay V., Field, C.R, Gollnow, F. , Jones, K.K. New connections between health and conservation in the public mind during the COVID-19 pandemic |
| <i>UNDER REVIEW 2021</i> | Hissa, L.B.V., Garcia Marquez, J.R., Gollnow, F. , Lakes, T. Enhancing synergies for effective large-scale forest restoration in Mato Grosso, Brazilian Amazon |
| <i>UNDER REVIEW 2021</i> | Hissa, L.B.V., Gollnow, F. , Mueller, H., Lakes, T. Land tenure diversity and forest cover change in a deforestation frontier in Brazilian Amazonia |
| 2021 | Garrett, R., Levy, S., Gollnow, F. , Hodel, L., Rueda, X. Have food supply chain policies improved forest conservation and rural livelihoods? A systematic review. Environmental Research Letters |
| 2020 | Enoguanbhor, E.C., Gollnow, F. , Walker, B.B. , Nielsen, J.O., Lakes, T. Simulating urban land expansion in the context of land use planning in the Abuja city-region, Nigeria. Geojournal |
| 2019 | Hissa, L.B.V., Aguiar, A., Camargo, R., Santos de Lima, L., Gollnow, F. , Lakes, T. Regrowing forests contribution to law compliance and carbon storage in private properties of the Brazilian Amazon. Land Use Policy (88), 104-163 |
| 2019 | Enoguanbhor, E.C., Gollnow, F. , Nielsen, J.O., Lakes, T., Walker, B.B. Land Cover Change in the Abuja City-Region, Nigeria: Integrating GIS and Remotely Sensed Data to Support Land Use Planning. Sustainability (11), 1313 |
| 2019 | Rufin, P., Gollnow, F. , Müller, D., Hostert, P. Synthesizing dam-induced land system change. Ambio 48(10), 1183-1194 |
| 2018 | Gollnow, F. , Hissa, L.B.V., Rufin, P., Lakes, T. Property-level direct and indirect deforestation for soybean production in the Amazon region of Mato Grosso, Brazil. Land Use Policy (78), 377–385 |
| 2018 | Schägnier, J.P., Brander, L., Paracchini, M.L., Maes, J., Gollnow, F. , Bertzky, B. Spatial dimensions of recreational ecosystem service values: A review of meta-analyses and a combination of meta-analytic value-transfer and GIS. Ecosystem Services (31), 395–409 |
| 2017 | Gollnow, F. , Göpel, J., Hissa, L.B.V., Schaldach, R., Lakes, T. Scenarios of land-use change in a deforestation corridor in the Brazilian Amazon: Combining two scales of analysis. Regional Environmental Change (18), 143–159 |

PEER-REVIEWED PUBLICATIONS (CONTINUED)

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| 2017 | Schaldach, R., Meurer, K.H.E., Jungkunst, H.F., Nendel, C., Lakes, T., Gollnow, F. , Göpel, J., Boy, J., Guggenberger, G., Strey, R., Strey, S., Berger, T., Gerold, G., Schönenberg, R., Böhner, J., Schindewolf, M., Latynskiy, E., Hampf, A., Parker, P.S., Sentelhas, P.C. A model-based assessment of the environmental impact of land-use change across scales in Southern Amazonia. <i>Regional Environmental Change</i> (18), 161–173 |
| 2017 | Schönenberg, R., Goepel, J., Schaldach, R., Gollnow, F. , Lakes, T. Inter- and transdisciplinary scenario construction to explore future land use options in Southern Amazonia. <i>Ecology and Society</i> 22 (3) |
| 2016 | Pinheiro, T.F., Escada, M.I.S., Valeriano, D.M., Hostert, P., Gollnow, F. , Müller, H. Forest Degradation Associated with Logging Frontier Expansion in the Amazon: The BR-163 Region in Southwestern Pará, Brazil. <i>Earth Interactions</i> 20 (17), 1–26 |
| 2014 | Gollnow, F. , Lakes, T. Policy change, land use, and agriculture: The case of soy production and cattle ranching in Brazil, 2001 - 2012. <i>Applied Geography</i> (55), 203–211 |

PRESENTATIONS

INVITED PRESENTATIONS

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|------|--|
| 2019 | Gollnow, F. Europas Sojakonsum auf Kosten natürlicher Ökosysteme in Brasilien (The environmental impact of European soybean consumption). Dialogforum Nachhaltigere Eiweißfuttermittel, German Federal Ministry of Food and Agriculture, Berlin, Germany |
| 2019 | Gollnow, F. , Carlson, K., Garrett, R. Companies commitments to zero-deforestation targets for forest-risk commodities, Global reach & regional changes to deforestation footprints, at the Natural Resources & Environmental Management Research Seminar Series, University of Hawaii. USA |

CONFERENCE PRESENTATIONS

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| 2019 | Gollnow, F. , Hissa, L.B.V., Rufin, P. Analyzing deforestation leakage following the implementation of the Soy Moratorium in Mato Grosso, Brazil, American Association of Geographers annual Meeting (AAG), Washington D.C., USA |
| 2019 | Gollnow, F. , Garrett, R., Carlson, K. Potential conservation impact of Zero Deforestation Commitments (ZDCs) in the Brazilian Cerrado, 4th Open Science Meeting of the Global Land Program (GLP), Bern, Switzerland |

CONFERENCE PRESENTATIONS (CONTINUED)

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| 2019 | Levers, C., Piquer-Rodríguez, M., Gollnow, F. , Baumann, M., Gasparri, N.I., Gavier-Pizarro, G.I., le Polain de Waroux, Y., Müller, D., Müller, R., Volante, J., Kuemmerle, T. Scenarios of commodity frontier expansion in the Gran Chaco and their environmental impacts. 4th Open Science Meeting of the Global Land Program (GLP), Bern, Switzerland |
| 2019 | Rivero Castro, R., Carlson, K., Garrett, R., Villoria, N., Levy, S., Gollnow F. Modeling the effects of soybean sector zero-deforestation commitment implementation on land cover change in South America. 4th Open Science Meeting of the Global Land Program (GLP), Bern, Switzerland |
| 2015 | Gollnow, F. , Göpel, J., Lakes, T., Schaldach, R. A Multi-Scale Land Use Modeling approach for the Brazilian Amazon, International Association for Landscape Ecology World Congress (IALE), Portland, USA |
| 2015 | Lakes, T., Gollnow, F. , Göpel, J., Schaldach, R. Future development paths of local land use changes within a globally changing world – a Multi-Scale Land Use Modeling approach for the Brazilian Amazon, Deutscher Kongress für Geographie (DKG), Berlin, Germany |
| 2015 | Oeser, J., Santibanez, S., Gollnow, F. , Lakes, T., Kloft, M. Maschinelles Lernen zur Modellierung raum-zeitlicher Prozesse, Deutscher Kongress für Geographie (DKG), Berlin, Germany |
| 2014 | Gollnow, F. , Lakes, T., 2014. De-spatialization of land use change? Soy expansion and cattle displacement in the Brazilian Amazon, 2nd Global Land Project Open Science Meeting (GLP), Berlin, Germany |
| 2009 | van der Linden, S., Waske, B., Rabe, A., Gollnow, F. , Griffiths, P., Kuemmerle, T., Hostert, P. On the use of support vector machines and decision trees in land cover mapping - a review from the user perspective, 3rd Workshop EARSeL SIG Land Use and Land Cover, Bonn, Germany |

CONFERENCE SESSIONS

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|------|---|
| 2015 | Gollnow, F. , Schaldach, R. Szenarien der Landnutzung - multiskalige Modellierungsansätze in einer globalisierten Welt, Deutscher Kongress der Geographie (DKG), Berlin, Germany |
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CONFERENCE POSTERS

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| 2016 | Gollnow, F. , Mönkemeier, T., Lakes, T. An Open and Flexible Land Use Model for Scenario Assessments alucR (Allocation of Land Use/Cover in R), AGILE Conference, Helsinki, Finland |
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CONFERENCE POSTER (CONTINUED)

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| 2015 | Gollnow, F. , Lakes, T. Policy changes as a breakpoint in land use displacement in the Brazilian Amazon? Evidences for changes in deforestation, soy production and cattle ranching between 2001 and 2012 case study along the BR-163, IALE World Congress, Portland, United States of America |
| 2013 | Gollnow, F. , Lakes, T. Statistical evidence for indirect land use change at the "arc of deforestation" Brazil, case study along the BR-163 (Mato Grosso & Pará), Spatial Statistics Conference, Ohio, United States of America |

FELLOWSHIPS & AWARDS

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| 2018-2020 | Postdoctoral Fellowship, National Socio Environmental Synthesis Center, Project: Zero-deforestation supply chain commitments [US\$120,000] |
| 2015 | NASA-MSU Professional Enhancement Award [US\$1000] |
| 2010 - 2011 | Joint Research Centre Trainee-Fellowship [Euro 24,000] |
| 2005 - 2006 | Socrates/Erasmus Scholarship [Euro 3250] |

TEACHING EXPERIENCE

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| 2016, 2017 | Master: Multivariate Statistics in R (Instructor) |
| 2017 | Bachelor: Geography excursion Brazil (Co-Instructor) |
| 2017 | Bachelor: Introduction to GIS (Instructor) |
| 2016 | Master: Advanced GIS (Teaching Assistant) |
| 2016 | Master: Land System Modelling (Teaching Assistant) |

PROFESSIONAL SERVICES

REVIEW PANEL

Postdoctoral Fellowship Review Panel, The National Socio-Environmental Synthesis Center, Annapolis, MD

JOURNAL REFEREE

Environmental Research Letters
Global Environmental Change
Journal of Land Use Science
Sustainability
Land Degradation & Development
Regional Environmental Change
Applied Geography
Geoforum

RESEARCH STAYS, FIELD WORK AND INTERNATIONAL EXPERIENCE

2019 Visiting Postdoc at University of Manoa, Hawaii, (Carlson Lab)

2017 Geography excursion to Brazil (Sao Paulo, Cuiaba, Santarem, Belem)

RESEARCH STAYS, FIELD WORK AND INTERNATIONAL EXPERIENCE (CONTINUED)

2016 Project presentation in Mato Grosso and at the Instituto Nacional de Pesquisas da Amazonia (INPA) Manaus, Brazil

2014 Fieldwork along the BR-163 in Mato Grosso and Para, Brazil

2014 Visiting Researcher at the Instituto Nacional de Pesquisas Espaciais (INPE), São José dos Campos, Brazil

2010-2011 Trainee at the Institute for Environment and Sustainability, Joint Research Centre, Ispra, Italy

2005-2006 Exchange Student at the Department of Geography and History, Universidad de la Laguna, San Cristobal de la Laguna, Tenerife, Spain

2001-2002 Care Support Worker for People with Special Needs at Camphill Farm Community, Hermanus, South Africa