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

PREPRINT 2022	**Gollnow, F.**, Federico Cammelli, Carlson, K., Garrett, R. Gaps in adoption by smaller companies limit the current and potential effectiveness of zero-deforestation supply chain policies for soy
PREPRINT 2022	Villoria, N., Garrett, R., Carlson, K., **Gollnow, F.**, Leakage is Unlikely to Offset the Benefits of Soybean Zero-Deforestation Commitments in Brazil
UNDER REVIEW 2021	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
UNDER REVIEW 2021	Hissa, L.B.V., **Gollnow, F.**, Mueller, H., Lakes, T. Land tenure diversity and forest cover change in a deforestation frontier in Brazilian Amazonia
2022	Garrett, R., Grabs, J., Cammelli, F., **Gollnow, F.**, Levy, S. Should payments for environmental services be used to implement zero-deforestation supply chain policies? The case of soy in the Brazilian Cerrado. World Development
2021	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. Biological Conservation
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
2021	Enoguanbhor, E.C., **Gollnow, F.**, Walker, B.B. , Nielsen, J.O., Lakes, T. Key challenges for land use planning strategies and their environmental assessments in the Abuja city-region, Nigeria. Land
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

	PEER-REVIEWED PUBLICATIONS (CONTINUED)
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	Schägner, 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
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. Regional Environmental Change (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. Ecology and Society 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. Earth Interactions 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. Applied Geography (55), 203–211

PRESENTATIONS

INVITED PRESENTATIONS

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

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

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

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

CONFERENCE POSTERS

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
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

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

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) Manaos, 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