CURRICULUM VITAE

PERSONAL INFORMATION	**Hampf, Anna**
E-Mail	E-Mail: anna.hampf@pik-potsdam.de

RESEARCH WORK _____

Since 12/2021	**Postdoctoral Researcher**
Institution	Potsdam-Institute for Climate Impact Research (PIK) e.V.
Project	Agrica
Activities	Simulation of climate change impacts on agricultural systems in Madagascar with a process-based crop model. Elaboration of a climate change adaptation strategies for small-scale farmers cultivating rice, maize, cassava and peanut
05/2020 – 11/2021	**Research assistant**
Institution	Leibniz Centre for Agricultural Landscape Research (ZALF) e.V.
Project	SustEs // CC-Germany
Activities	Simulation of European crop rotations under climate change (5 models, 2 rcps) up to the year 2080 with a process-based crop model. // Simulation of crop yields (wheat, barley, silage maize, oilseed rape) under climate change throughout Germany (1 km^2 grid) for a baseline (1980-2010) and future scenario (2035-2065), using projections of 3 climate models and 2 rcps
10/2019 – 04/2020	**Research assistant**
Institution	Leibniz Centre for Agricultural Landscape Research (ZALF) e.V.
Project	Agora Natura // SattGrün
Activities	Simulation of crop yields and options to reduce nitrogen leaching throughout Germany for Agora Natura, an internet-based market place for ecosystem services and biodiversity. Testing of model results against observed data at different spatial scales. // Grassland simulations throughout Germany for different scenarios (intensive and extensive production).
10/2018 – 09/2019	**Parental leave**
07/2014 – 09/2018	**Research assistant**
Institution	Leibniz Centre for Agricultural Landscape Research (ZALF) e.V.
Project	Carbon sequestration, biodiversity and social Structures in the Southern Amazon
Activities	Impact assessment of climate change and technological development on double-cropping system in the Southern Amazon. Simulation of double-cropping systems (soybean-maize, soybean-cotton) for a baseline (1980-2010) and future scenario (2010-2040), using two different climate projections as input. Elaboration of adaptation strategies.
EDUCATION	_____
2015 – 2021	**PhD in Agricultural Science**
	Albrecht Daniel Thaer-Institute of Agricultural and Horticultural Sciences, Humboldt University of Berlin (Germany)
	Interdisciplinary assessment of the socio-economic and biophysical dimension of yield gaps in the Southern Amazon under current and future climate conditions. Assessment of yield losses due to pests and diseases based on crowdsourced data. Thesis entitled: "Yield gaps in the Southern Amazon, Brazil – biophysical and socioeconomic factors under current and future climate conditions".
03/2011 – 03/2013	**Master of Arts in Administration and Rural Development**
	Federal Rural University of Pernambuco (UFPRE), Recife (Brazil)
	Assessment of the micro-financing programme PRONAF (National Programme to Strengthen Family Farming) and its impact on the investment, production and

		income of family farmers in the State of Pernambuco, Brazil, using propensity score matching.
10/2006 – 06/2010		**Bachelor of Arts & Bachelor of Science in Public Administration and European Studies**
		University of Münster (Germany), University of Twente (Netherlands)
		Double-degree programme in political, economic and law sciences with a focus on European studies and sustainable development. Six months internship at the Mexican Centre for Economic and Political Research for Common Action. Bachelor thesis on the impact of the free trade agreement between the European Union and Mexico.
SEMESTER ABROAD		Portuguese Catholic University of Lisbon (Portugal) in 2007/08
SCHOLARSHIPS		PhD scholarship awarded by the Heinrich Böll Foundation (08/2015 – 07/2018)
		Study scholarship awarded by the Heinrich Böll Foundation (03/2011 – 02/2013)
FURTHER SKILLS		_____
Languages		German (native), English (fluent), Portuguese (fluent), Spanish (good knowledge)
Programming/ Software		R, ArcGIS, Github, Visual Studio Code, OpenOffice
PEER-REVIEWED SCIENTIFIC PAPERS		_____
Submitted		Carauta, M., Oliveira de Sousa, L., **Hampf, A.**, Dalla-Libera, A., Trosst, C., Berger, T.: Does sunflower have potential in Mato Grosso, Brazil? Simulating sunflower yield gross margins and land use shares with bioeconomic agent-based modelling. Submitted to *Agricultural Systems*. Under review.
Published		
2021		**Hampf, A.**, Nendel, C., Strey, S., & Strey, R. (2021). Biotic yield losses in the Southern Amazon, Brazil: Making use of smartphone-assisted plant disease diagnosis data. *Front. Plant Sci. - Technical Advances in Plant Science*. doi:10.3389/fpls.2021.621168
		Carauta, M., Troost, C., Guzman-Bustamante, I., **Hampf, A.**, Libera, A., Meurer, K., . . . Berger, T. (2021). Climate-related land use policies in Brazil: How much has been achieved with economic incentives in agriculture? *Land Use Policy, 109*. doi:10.1016/j.landusepol.2021.105618
		Carauta, M., Parussis, J., **Hampf, A.**, Libera, A., & Berger, T. (2021). No more double cropping in Mato Grosso, Brazil? Evaluating the potential impact of climate change on the profitability of farm systems. *Agricultural Systems, 190*. doi:10.1016/j.agsy.2021.103104
2020		**Hampf, A.**, Stella, T., Berg-Mohnicke, M., Kawohl, T., Kilian, M., Nendel, C. (2020). Future yields of double-cropping systems in the Southern Amazon, Brazil, under climate change and technological development. *Agricultural Systems, 177*. doi:10.1016/j.agsy.2019.102707.
2018		**Hampf, A.**, Carauta, M., Latynskiy, E., Dalla Libera, A., Monteiro, L., Sentelhas, P., Troost, C., Berger, T., Nendel, C. (2018). The biophysical and socio-economic dimension of yield gaps in the southern Amazon – A bio-economic modelling approach. *Agricultural Systems, 165*, 1-13. doi:10.1016/j.agsy.2018.05.009.

2017	Carauta, M., E. Latynskiy, J. Mössinger, J. Gil, A. Libera, **A. Hampf**, L. Monteiro, M. Siebold and T. Berger (2017). "Can preferential credit programs speed up the adoption of low-carbon agricultural systems in Mato Grosso, Brazil? Results from bioeconomic microsimulation." <u>Regional Environmental Change</u> 17: 1-12.

Carauta, M., A. Libera, **A. Hampf**, R. Chen, J. M. d. Silveira and T. Berger (2017). "On-farm trade-offs for optimal agricultural practices in Mato Grosso, Brazil." <u>Revista de Economia e Agronegócio</u> 15(3).

Göpel, J., J. Schüngel, R. Schaldach, K. H. E. Meurer, H. F. Jungkunst, U. Franko, J. Boy, R. Strey, S. Strey, G. Guggenberger, **A. Hampf** and P. Parker (2017). "Future land use and land cover in Southern Amazonia and resulting greenhouse gas emissions from agricultural soils." <u>Regional Environmental Change</u> 18(1): 129-142.

Schaldach, R., K. H. E. Meurer, H. F. Jungkunst, C. Nendel, T. Lakes, F. Gollnow, J. Göpel, J. Boy, G. Guggenberger, R. Strey, S. Strey, T. Berger, G. Gerold, R. Schönenberg, J. Böhner, M. Schindewolf, E. Latynskiy, **A. Hampf**, P. S. Parker and P. C. Sentelhas (2017). "A model-based assessment of the environmental impact of land-use change across scales in Southern Amazonia." <u>Regional Environmental Change</u> **18**(1): 161-173. |
2016	Carauta, M., A. Libera, E. Latynskiy, **A. Hampf**, J. M. d. Silveira and T. Berger (2016). Integrated assessment of novel two-season production systems in Mato Grosso, Brazil. <u>8th International Congress on Environmental Modelling and Software</u>. S. Sauvage, J.-M. Sánchez-Pérez and A. Rizzolli. Toulouse, France**:** 430-437.
2015	Sentelhas, P. C., R. Battisti, G. M. S. Camara, J. R. B. Farias, **A. Hampf** and C. Nendel (2015). "The soybean yield gap in Brazil – magnitude, causes and possible solutions for sustainable production." <u>Journal of Agricultural Science</u> 153(8): 1394-1411.
CONFERENCE CONTRIBUTIONS	
2021	**Hampf, A**.: The impact of climate change and technological development on double-cropping systems in the Southern Amazon. Oral presentation at the CLAND webinar on Adaptation options for cropland systems, French National Research Institute for Agriculture food and Environment (INRAE), May, 2021.
2019	**Hampf, A.,** Stella, Tommaso, Berg-Mohnicke, Michael, Kawohl, Tobias, Kilian, Markus, Nendel, Claas: "Future yields of double-cropping systems in the Southern Amazon, Brazil, under climate change and technological development". Oral presentation at the 9th German-Brazilian Symposium on sustainable development, Stuttgart, Germany. September, 2019.
2018	Carauta, M., I. Guzman-Bustamante, K. Meurer, C. Troost, **A. Hampf**, R. Rodrigues, T.Berger: "Assessing the full distribution of greenhouse gas emissions from crop, livestock and commercial forestry plantations in Brazil´s Southern Amazon." Oral presentation at the 30th International Conference of Agricultural Economists. Vancouver, Canada. July-August, 2018.

Hampf, A., T.Stella, M. Berg, C. Nendel: „Viability of double cropping systems in the Southern Amazon, Brazil, under climate change. Poster presentation at the "Landscape 2018 – Frontiers of agricultural landscape research" conference, Berlin, Germany. March, 2018. |
| 2017 | Kersebaum, K.C, **Hampf, A**.: "Linking crops (models) with pest and diseases. Oral presentation at the International Conference on Global Crop Losses.", Paris, France. |

	October 2017.
2016	**Hampf, A**.: "Classifying plant diseases with a smartphone-App: a citizen science project in Brazil.", Oral presentation at the PhD colloquium of the Heinrich Böll-Foundation. Berlin, Germany. May 2016. **Hampf, A**. P.Parker, C. Nendel: „Future crop productivity in the Southern Amazon as driven by climate change and technological progress." Poster presentation at the International Crop Modelling Symposium (iCropM), Berlin, Germany. March 2016.
2015	**Hampf**, A., F. Bender, P. Parker, C. Nendel: „Simulated soybean and maize yields in Southern Amazon are affected by climate change and technological progress." Poster presentation at the German-Brazilian Symposium for Sustainable Development. Heidelberg, Germany. October 2015. **Hampf, A**.: "Minimizing yield gaps in Southern Amazon: A sustainable solution for the conflict of interest between nature conservation and agriculture? ". Oral presentation at the PhD colloquium "My theory, My method. Our transformation" of the Heinrich Böll-Foundation. Leuphana Universiy Lüneburg, April 2015.
TRAINING AND COURSES TAKEN	
2020	Visualising Science (work load 8 hours), online training course by NaWik.
2018	"Theory and methods for an integrated analysis of ecosystem services." Doctoral Certificate Program in Agricultural Economics (work load 40 hours), Centre for Agricultural Landscape Research (ZALF) e.V., Müncheberg, Germany.
2017	"Technology and Innovation in the Agricultural Sector – Theoretical and Empirical Approaches." Doctoral Certificate Program in Agricultural (Work load 40 hours). Technical University of Munich, Freising, Germany.
2016	"Geo-computation using free and open-source software." Summer School organized by Spatial Ecology in collaboration with the University of Basilicata - DiCEM (Work load 40 hours). Matera, Italy. "Python for Scientists and Engineers." Python Academy Training & Consulting (Work load 24 hours). Centre for Agricultural Landscape Research (ZALF) e.V., Müncheberg, Germany. "Agent-based modelling in Agricultural and Resource Economics." Doctoral Certificate Program in Agricultural (Work load 40 hours). Leibniz Institute of Agricultural Development in Transition Economies (IAMO), Halle (Saale), Germany.
2015	"Fortgeschrittene Methoden mit R." (Work load 8 hours). Freie Universität Berlin, Berlin, Germany. "Introduction to Geographic Information Systems and spatial data analysis." Doctoral Certificate Program in Agricultural (Work load 40 hours). Leibniz Institute of Agricultural Development in Transition Economies (IAMO), Halle (Saale), Germany. "Wissenschaftliches Schreiben." (Work load 24 hours). TRESS & TRESS, Centre for Agricultural Landscape Research (ZALF) e.V., Müncheberg, Germany.