



Debbora Mara Leip

- @ leip@pik-potsdam.de
- pik-potsdam.de/members/dleip
- github.com/deleip

About me

My personal and professional interests lie in the broad field of environmental sustainability with special focus on food systems and food security. I enjoy working on abstract concepts and the theoretic background of research methods, and I am always motivated to get familiar with new aspects or to be challenged by new problems.

Languages

| | |
|---------|-----------------|
| German | native language |
| English | C2 |
| Italian | B2 |
| Spanish | B1 |

Computing

- Python
- R
- GAMS
- Matlab

Curriculum Vitae

Research Experience


- ongoing Potsdam Institute for Climate Impact Research (PIK), RD3: Transformation Pathways – **Quantitative Modeller**
Support of the Food System Economics Commission (FSEC)
Contribution to the open-source modelling framework MAGPIE
- Dec. 2020
- Feb. 2021 International Institute for Applied System Analysis (IIASA), Advanced Systems Analysis Program (ASA) – **Fee Contract**
Conclusion of project on risk management for sustainable food security in West Africa (based on masterthesis)
- Nov. 2020
- Apr. 2020 International Institute for Applied System Analysis (IIASA), Advanced Systems Analysis Program (ASA) – **Guest Research Assistant**
Development of a stochastic optimization model on food security in West Africa (for masterthesis)
- Oct. 2019
- Aug. 2019 Stockholm Resilience Center (SRC), Research Stream: Complex Adaptive Systems – **Internship**
“Empirical Analysis of Cascading Effects using Convergent Cross Mapping”
- May 2019
- Apr. 2019 Universidad Politécnica de Madrid (UPM), Agro-economic Modelling Group (AgroEcoS) – **Internship**
“Editing CAPRI within the context of the SIM4NEXUS Project”
- Jan. 2019
- Jul. 2017 European Centre for Agricultural, Regional and Environmental Policy Research (EuroCARE GmbH Bonn) – **Internship**
Participation in improving the COCO (Complete & Consistent) module of the agro-economic model CAPRI
- May 2017
- Nov. 2016 Potsdam Institute for Climate Impact Research (PIK), RD2: Climate Resilience – **Internship**
Participation in data analysis to improve the agro-economic model MAGPIE
- Sep. 2016

Education

- Sep. 2020 Carl von Ossietzky University of Oldenburg, Germany – **M. Sc. Environmental Modelling**
Fall 2018: Erasmus Semester at University of Bergen, Norway
Thesis: “Risk management for sustainable food security in West Africa”
Degree: Master of Science (with distinction – overall grade 1.0)
- Okt. 2017
- Jul. 2016 Rheinische Friedrich-Wilhelms-Universität Bonn, Germany – **B. Sc. Mathematics, Agricultural Science as second subject**
Thesis: “Faktorabilität der speziellen orthogonalen Gruppe”
Degree: Bachelor of Science (overall grade 1.8)
- Okt. 2013
- Jul. 2013 Scuola Europea di Varese, Italy – **European School**
Degree: European general qualification for university entrance – BAC (overall grade 1.0)
- Sep. 2002
- 2001–02 Keltenbergschule Glauburg, Germany



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Other Experience

- 2015–16 Rheinische Friedrich-Wilhelms-Universität Bonn, Germany, Department of Mathematics – **Student assistant**
Official tutor of the course “Linear Algebra I”
- 2014–16 Elected member of the Student Council Mathematics in Bonn
- 2013–14 Member of the local Greenpeace group Bonn
- 2013 Participation in Bundeswettbewerb Mathematik
3rd price in the second round
- Aug. 2012 Summerschool “Deutsche Schüler Akademie” (DSA)
Course: “Abstraktion in der Mathematik”