

WORK EXPERIENCE

Potsdam Institute for Climate Impact Research (PIK) Senior Guest Scientist Climate Resilience Research Group	Since Dec 2020
International Institute for Applied Systems Analysis (IIASA) Guest Research Scholar Equity and Justice Research Group	Since Dec 2020
UN Office for Disaster Risk Reduction (UNDRR) Consultant	Sep 2022 - Dec 2022
EAT Program Director Food System Economics Commission (FSEC)	Dec 2020 - Aug 2022
International Institute for Applied Systems Analysis (IIASA) IIASA Research Scholar Ecosystems Services and Management & Risk and Resilience Research Programs	Jul 2019- Nov 2020
International Institute for Applied Systems Analysis (IIASA) IIASA Post-doctoral Research Scholar	Jul 2017- Jun 2019
University of Cape Town (UCT) Guest Researcher in the Climate System Analysis Group	Nov 2016 - Apr 2017
International Institute of Applied Systems Analysis (IIASA) Research Assistant Participation in the Young Scientists Summer Program (YSSP) funded by a scholarship from the German National Member Organisation (NMO). Study on risks of correlated wheat yield losses in the global breadbaskets.	Jun - Aug 2015
Global Water Partnership (GWP)/OECD 's Global Dialogue on Water Security and Sustainable Growth Member of the Oxford University Research Team Support of the task force, co-chaired by Claudia Sadoff (World Bank), David Grey (Oxford University) and Jim Hall (Oxford University). Investigations of pathways to water security focusing on water scarcity, floods, ecosystem degradation and inadequate water supply and sanitation. Development of a model investigating water scarcity in global river basins.	Oct 2013 - Apr 2015
Potsdam Institute for Climate Impact Research (PIK) Research Intern Examination of cereal price changes caused by supply shocks from a global perspective.	Apr - Aug 2012

EDUCATION

University of Oxford, UK DPhil (PhD) in Geography and the Environment	Oct 2013 - Aug 2017
University of Edinburgh, UK MSc in Ecological Economics (Distinction)	Sep 2012 - Aug 2013
Freie Universität Berlin, Germany BSc in Economics	Oct 2009 - Mar 2012

TEACHING EXPERIENCE

School of Business and Economics, Freie Universität Berlin Teaching Assistant Taught tutorials in the courses “Macroeconomics” and “Government and Allocation”.	Oct 2010 - Mar 2012
---	---------------------

GRANTS AND AWARDS

Economic Modeling for Climate-Energy Policy (ECOCEP) grant awarded by the People Programme - International Research Staff Exchange Scheme (IRSES) - Marie Curie Actions - of the European Union's Seventh Framework Programme. Travel grant to support stay at the University of Cape Town.	Nov 2016 - Feb 2017
--	---------------------

PEER-REVIEWED PUBLICATIONS

- Mehrabi, Z., Delzeit, R., Ignaciuk, A., Levers, C., Braich, G., Bajaj, K., ... **Gaupp, F.**, ... & You, L. (2022). Research priorities for global food security under extreme events. *One Earth*, 5(7), 756-766.
- Pörtner, L. M., Lambrecht, N., Springmann, M., Bodirsky, B. L., **Gaupp, F.**, Freund, F., ... & Gabrysch, S. (2022). We need a food system transformation—In the face of the Russia-Ukraine war, now more than ever. *One Earth*, 5(5), 470-472.
- Bodirsky, B. L., Chen, D. M. C., Weindl, I., Sörgel, B., Beier, F., Molina Bacca, E. J., **Gaupp F.**, Popp, A. & Lotze-Campen, H. (2022). Integrating degrowth and efficiency perspectives enables an emission-neutral food system by 2100. *Nature Food*, 3(5), 341-348.
- Ringsmuth, A. K., Otto, I. M., van den Hurk, B., Lahn, G., Reyer, C. P., Carter, T. R., ... **Gaupp, F.**, ... & West, C. (2022). Lessons from COVID-19 for managing transboundary climate risks and building resilience. *Climate Risk Management*, 100395.
- Thalheimer, L., Webersik, C., & **Gaupp, F.** (2022). Systemic Risks Emerging from Compound Vulnerabilities. *GAR2022 Contributing paper*.
- Sperling, F., Havlik, P., Denis, M., Valin, H., Palazzo, A., **Gaupp, F.**, & Visconti, P. (2022). Toward resilient food systems after COVID-19. *Current Research in Environmental Sustainability*, 4, 100110.
- Gaupp, F.**, C. Ruggeri Laderchi, H. Lotze-Campen, F. DeClerck, B. L. Bodirsky, S. Lowder, A. Popp, et al. (2021) ‘Food System Development Pathways for Healthy, Nature-Positive and Inclusive Food Systems’. *Nature Food*, December, 1-7. <https://doi.org/10.1038/s43016-021-00421-7>.
- Kimani-Murage, E., **Gaupp, F.**, Lal, R., Hansson, H., Tang, T., Chaudhary, A., ... & Afsana, K. (2021). An optimal diet for planet and people. *One Earth*, 4(9), 1189-1192.
- Gaupp, F.** (2020). Extreme Events in a Globalized Food System. *One Earth*, 2(6), 518-521.
- Naqvi, A., Gaupp, F., & Hochrainer-Stigler, S. (2020). The risk and consequences of multiple breadbasket failures: an integrated copula and multilayer agent-based modeling approach. *OR Spectrum*, 1-28.

- Gaupp, F., Hall, J., Hochrainer-Stigler, S., & Dadson, S. (2020). Changing risks of simultaneous global breadbasket failure. *Nature Climate Change*, 10(1), 54-57.
- Gaupp, F., Hall, J., Mitchell, D., & Dadson, S. (2019). Increasing risks of multiple breadbasket failure under 1.5 and 2° C global warming. *Agricultural Systems*, 175, 34-45.
- Gaupp, F., Pflug, G., Hochrainer-Stigler, S., Hall, J., & Dadson, S. (2017). Dependency of crop production between global breadbaskets: a copula approach for the assessment of global and regional risk pools. *Risk Analysis*, 37(11), 2212-2228.
- Gaupp, F., Hall, J., & Dadson, S. (2015). The role of storage capacity in coping with intra- and inter-annual water variability in large river basins. *Environmental Research Letters*, 10(12), 125001.

POLICY REPORTS

- Gaupp, F. (forthcoming in 2023). *Global Food Systems: Understanding Risk, Transforming Towards Resilience*. Thematic Study in support of the Midterm Review of the Sendai Framework.
- UNDRR (2022). *Global Assessment Report on Disaster Risk Reduction 2022 (GAR2022)*. (Lead author).
- Sperling, F., Havlik, P., Denis, M., Valin, H., Palazzo, A., Gaupp, F., & Visconti, P. (2020). Transformations within reach: Pathways to a sustainable and resilient world-Resilient Food Systems. IIASA and ISC.
- UNDRR (2021). *Special Report on Drought 2021*. (Lead author).
- UNDRR (2019). *Global Assessment Report on Disaster Risk Reduction 2019 (GAR19)*. (Co-author of Chapter 2: Systemic Risks, the Sendai Framework and the 2030 Agenda).
- GWP/OECD (2015). *Securing water, sustaining growth*. University of Oxford. (Member of the Oxford University Research Team).

OTHER PROFESSIONAL ACTIVITIES

Podcast Host

The Food Systems Podcast. <https://soundcloud.com/foodsystemspodcast>

Certified Warm Data Lab Host

Developed by Nora Bateson (Club of Rome Member). Facilitation of group processes, that highlight interdependency, generate understanding of systemic patterns and support transformative processes.