Christian J.A. Klassert

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ACADEMIC DEGREES

2021 **PhD in Economics,** Leipzig University, thesis: "The Value of Decentralized Private Water Service Provision in Intermittent Water Supply Systems: Coupled Hydro-Economic System Analyses of Formal and Informal Water Markets in Jordan" (grade: *summa cum laude*, 1.0)

2009 **European Master in Law and Economics and LL.M.**, jointly awarded by the Universities of Hamburg, Germany, Ghent, Belgium, and Haifa, Israel ("with great distinction")

2008 **German academic law degree (Erstes Staatsexamen),** Johannes Gutenberg University Mainz, Germany (ranked 2nd best in state-wide final examination)

HONORS & AWARDS

UFZ Research Award 2022 for coupled hydro-economic modeling of water security, awarded to Christian Klassert, Erik Gawel, Bernd Klauer, Katja Sigel

DAAD Postdoc Fellowship 2022 for coupled human-natural systems modeling of water security at the Department of Earth System Science, Stanford University

SELECTED PUBLICATIONS

Klassert, C., Yoon, J., Sigel, K., et al. *(in review).* The growing economic value of informal water markets in intermittent water supply systems. In review at *Nature Sustainability.*

Yoon, J., Voisin, N., **Klassert, C.**, et al. *(in review).* Farmer cropping adaptation alleviates simulated water shortage in the United States. In review at *Nature Water.*

Yoon, J., Romero-Lankao, P., Yang, Y. E., **Klassert, C.**, et al. (2022). A typology for characterizing human action in multisector dynamics models. *Earth's Future*, 10(8). DOI: 10.1029/2021EF002641

Yoon, J., **Klassert, C.**, Selby, P., et al. (2021). Coupled human-natural system analysis of freshwater security under climate and population change. *Proceedings of the National Academy of Sciences (PNAS)* 118(14): e2020431118. DOI: 10.1073/pnas.2020431118

Further publications at: https://scholar.google.de/citations?user=e8KdVaEAAAAJ

PROFESSIONAL APPOINTMENTS

10/2022 – 03/2023	**Visiting Postdoctoral Scholar**, Department of Earth System Science (Prof. Dr. Steven Gorelick), Doerr School of Sustainability, Stanford University
Since 09/2021	**Postdoctoral Researcher**, Department of Economics, Helmholtz Centre for Environmental Research – UFZ, Leipzig, Germany (topic: coupled human-natural systems modeling of water security and droughts)
02/2017 – 08/2021	**Researcher**, Department of Economics, Helmholtz Centre for Environmental Research – UFZ, Leipzig, Germany
02/2014 – 01/2017	**Researcher**, Chair of Economics, especially Institutional Environmental Economics (Prof. Dr. Gawel), Leipzig University
03/2011 – 01/2014	**Research Assistant**, Department of Bioenergy, Helmholtz Centre for Environmental Research – UFZ, Leipzig, Germany

RESEARCH FOCUS: Water economics, coupled human-natural systems, agent-based modeling, econometrics, multi-sector dynamics, unequal urban water access, agricultural drought adaptation

ACADEMIC ROLES

Co-chair of the Human Systems Modeling Working Group (Chair: Jim Yoon) in the MultiSector Dynamics Community of Practice, https://multisectordynamics.org/

Co-speaker of the Social Science Water Research Working Group (Co-Speaker: Mariana de Brito) at the Helmholtz Centre for Environmental Research - UFZ, https://www.ufz.de/index.php?en=36384

Co-convener of sessions at the American Geophysical Union Fall Meetings 2020 and 2021 and the European Geosciences Union General Assembly 2023

Organization of project meetings at the Helmholtz Centre for Environmental Research for the projects FUSE (2019, 2022) and the Jordan Water Project (2015, 2017)

Media outreach: BBC World Service "Newshour" radio interview (22 Oct 2022), Tagesspiegel newpaper report (25 January, 2022), HR "Alle Wetter" local television interview (12 April 2021),

Journal Reviewer for Water Research, Water Resources Research, Journal of Environmental Management, Water Economics and Policy, Agricultural Water Management, and Natural Hazards

PROJECTS

2023 – 2026	UFZ cooperation project with the Thuringian Environmental Ministry (TMUEN) on Water Scarcity, role: researcher, proposal co-author
2018 – 2022	Belmont Forum project "Food Water Energy for Urban Sustainable Environments (FUSE)", role: researcher, proposal co-author, https://fuse.stanford.edu/
2020 – 2021	Future Earth project "NexusFootprint", role: researcher, proposal co-author
2019 – 2020	Volkswagen Foundation AI4EO project "SmartSlum", role: researcher, proposal co-author
2017 – 2019	German Ministry for the Environment Export Initiative Project "Jordan Water Project – Capacity Building (JordanCAP)", role: instructor, proposal co-author
2014 – 2016	Belmont Forum project "Integrated Analysis of Freshwater Resources Sustainability in Jordan (Jordan Water Project, JWP)", role: researcher, https://jordan.stanford.edu/

CO-SUPERVISOR

2023 – 2026	Simon Werner, UFZ-TMUEN cooperation project, roles: co-supervisor, proposal co-author
2021 – 2024	Jasmin Heilemann, UFZ Graduate School "Thirsty Cities: Pathways for Water-Resilient Urban Transformation and Agricultural Adaptation", roles: co-supervisor, proposal co-author
2019 – 2022	Mansi Nagpal, UFZ Graduate School "AGRI-TRANSFORM: Leverage Points for the Transformation to an Environmentally Sustainable Agriculture", roles: co-supervisor, proposal co-author

TEACHING EXPERIENCE

Water Resources Management Seminar, Guest Lecturer, 3 April – 15 July 2023, Faculty of Economics and Management Science, Leipzig University

CoMSES Net International Winter School on Agent-Based Modeling of Social-Ecological Systems, 4 – 15 January 2021, virtual course on hydro-economic models

Jordan Water Project – Capacity Building Program (JordanCap), 2018 – 2019, four two-week block courses instructing eight experts of the Jordanian Ministry for Water and Irrigation in economic theory, statistical analyses, and the use of a hydro-economic model

SOFTWARE SKILLS: Python, GitHub, R (statistics), ArcGIS, QGIS

LANGUAGES: German (native speaker), English (IELTS-Test: 8.0 points, "very good user")