



## Johanna Hedlund

Postdoctoral Scholar, Earth System Science

### Bio

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#### BIO

Johanna Hedlund is a Wallenberg postdoctoral researcher focusing broadly on climate and sustainable development issues in the science and policy interface, mainly using advanced network methods. Her research interests include environmental policy, transnational climate risk, climate adaptation, international cooperation and network science. Her postdoctoral research focuses specifically on how climate-induced extreme events may affect the global distribution of risk via international food trade.

Prior to joining Stanford, Johanna worked for the Stockholm Environment Institute, where she developed the Transnational Climate Impact Index as a quantification of countries' exposure to the globalized effects of climate change impacts, and as a postdoctoral scholar for 4TU.Centre for Resilience Engineering at the University of Twente. She received her PhD in sustainable development from Stockholm Resilience Centre, Sweden.

#### STANFORD ADVISORS

- Noah Diffenbaugh, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Impacts of climate change on global food trade networks** *ENVIRONMENTAL RESEARCH LETTERS*  
Hedlund, J., Carlsen, H., Croft, S., West, C., Bodin, O., Stokeld, E., Jagermeyr, J., Mueller, C.  
2022; 17 (12)
- **Challenges for environmental governance: policy issue interdependencies might not lead to collaboration** *SUSTAINABILITY SCIENCE*  
Hedlund, J., Nohrstedt, D., Morrison, T., Moore, M., Bodin, O.  
2023; 18 (1): 219-234
- **Policy issue interdependency and the formation of collaborative networks** *PEOPLE AND NATURE*  
Hedlund, J., Bodin, O., Nohrstedt, D.  
2021; 3 (1): 236-250
- **Assessing Policy Issue Interdependencies in Environmental Governance** *INTERNATIONAL JOURNAL OF THE COMMONS*  
Hedlund, J., Bodin, O., Nohrstedt, D.  
2021; 15 (1): 82-99
- **Priorities and Interactions of Sustainable Development Goals (SDGs) with Focus on Wetlands** *WATER*  
Jaramillo, F., Desormeaux, A., Hedlund, J., Jawitz, J. W., Clerici, N., Piemontese, L., Alexandra Rodriguez-Rodriguez, J., Adolfo Anaya, J., Blanco-Libreros, J. F., Borja, S., Celi, J., Chalov, S., Chun, et al  
2019; 11 (3)

- **Quantifying transnational climate impact exposure: New perspectives on the global distribution of climate risk** *GLOBAL ENVIRONMENTAL CHANGE-HUMAN AND POLICY DIMENSIONS*  
Hedlund, J., Fick, S., Carlsen, H., Benzie, M.  
2018; 52: 75-85