



The food system continues to globalize, with growing quantities of food traded internationally and increasing connectivity among countries. As a result, consumers are becoming ever more reliant on distant environments for food production. Ensuring food security requires this global food production and distribution system to function in the face of sudden disruptions (shocks). Trade can allow countries to overcome shocks locally, but also exposes countries to risks from shocks originating in other countries. This talk will focus on historic and recent shocks to seafood production and trade, beginning with the detection of shock events and their impacts on imports and exports, followed by modeled risks of exposure to shocks propagated on trade networks, and finally a discussion of trade network responses to recent events.

Thursday, July 14, 2022 • 4:00 pm
College Hall, Auditorium B1 and Online



Jessica Gephart
 American University,
 Washington DC

Jessica Gephart is an Assistant Professor in Environmental Science at American University. Dr. Gephart received her PhD in Environmental Science from the University of Virginia and completed a postdoctoral fellowship at the National Socio-Environmental Synthesis Center. Her research focuses on the intersection of seafood globalization and environmental change, evaluating how seafood trade drives distant environmental impacts, as well as how environmental shocks disrupt seafood trade. Her work brings together global trade data, local consumption data, and environmental impact data to understand the opportunities and risks of seafood globalization for sustainable production and food security.