

CEENRG

Thursday Seminars

Michaelmas Term 2023

Cambridge Centre for Environment,
Energy and Natural Resource Governance

<http://www.ceenrg.landecon.cam.ac.uk/seminars>

Assessing supply chain disruption risks from infrastructure failures

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Abstract: Understanding the impacts of infrastructure failures in supply chain system is critical but challenging. In this study, I propose a general modelling framework for assessing supply chain disruptions from infrastructure failures, called InfraEcoBridge, that can resemble the impact of critical infrastructure function loss on economic networks even in the absence of detailed supply chain datasets. By applying the model to a global port dataset, I demonstrate the extensive information that InfraEcoBridge can provide for climate change adaptation, including the identification of the criticality of infrastructure in economic systems, measurement of the economic externalities of adaptation actions on infrastructures, and infrastructure planning.



2 November 2023, 3 – 4 pm (UK Time)

- In-person: **Weston Seminar Room (2.49)** in the David Attenborough Building
- Online: Zoom. Please **REGISTER** to receive Zoom link on the day of the seminar