Identifying systemic climate- and biodiversity-related vulnerabilities: an IO approach

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Abstract

In this presentation, we will cover different climate- and biodiversity-related vulnerabilities analyses based on environmentally extended Input-Output matrices. The different examples will consider financial, macroeconomic and socio-economic exposure for both climate and biodiversity dynamics. The results highlight the usefulness to consider cascading effects through production networks and nature-related vulnerabilities are materialising along multidimensional aspects.

Identification des vulnérabilités à la transition induites par la demande : application d'une approche systémique à l'Afrique du Sud : https://www.cairn.info/revue-economique-2022-2-page-267.htm Capital stranding cascades: The impact of decarbonisation on productive asset utilisation: https://www.sciencedirect.com/science/article/pii/S0140988321004515 Developing Countries' Macroeconomic Exposure to the Low-carbon Transition : https://www.afd.fr/sites/afd/10-12-02-41/developing-countries-macroeconomics-low-carbon-transition.pdf A "Silent Spring" for the Financial System? Exploring Biodiversity-Related Financial Risks in France : https://particuliers.banque-france.fr/sites/default/files/medias/documents/wp826_0.pdf

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