

**Banka Slovenije**  
in cooperation with  
**the Research Centre of the School of Economics and Business**  
invites you to a seminar

***Climate Stress Test of the Global Supply Chain Network: The Case of River  
Floods***

Co-author and speaker:  
**Georgios Papadopoulos**  
**Research economist at the Bank of Greece**

The paper is a joint work of Georgios Papadopoulos, Javier Ojea Ferreiro and Roberto Panzica.

The seminar will be held in the  
**Great Hall of Banka Slovenije**  
**on Thursday, 16 April 2026 at 14:00**

**Abstract:**

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This study examines how extreme flood events can trigger cascading disruptions throughout the global supply chain using a data-driven, agent-based network model that integrates firm-level data with flood hazard maps. It finds that inventory size is a decisive factor: lean-inventory systems lead to faster shock propagation, greater output losses, and fewer recoveries compared to abundant-inventory systems. The speed and severity of contagion also increase with the magnitude of the flood and the number and criticality of affected firms' trade links. The study identifies a firm-specific variable which peaks before rapid shock escalation, acting as a potential early warning indicator and offering a window for mitigative measures. Overall, the findings highlight the vulnerability of lean supply chains and provide a framework for assessing and strengthening resilience against climate-related and other systemic shocks.

**About the speaker:**

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Georgios Papadopoulos is currently a research economist at the Bank of Greece. He worked at the intersection of research and policy in the research departments of several institutions. Almost ten years ago he was a research economist in ARC, here, at Banka Slovenije while other working stints include the Joint Research Centre of the European Commission, the European Central Bank and the University of Cyprus. His research covers a broad range of topics from climate risk to income under-reporting using quantitative, data analytic tools and simulations.

**How to sign up:**

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To sign up for the seminar, please send an email to [seminar@bsi.si](mailto:seminar@bsi.si). You can sign up by Tuesday, 14 April 2026. The seminar will be held in English.