

PolyUnderstanding BIP 2nd theorization model for living with the polycrisis and searching for polysolutions

work of international think tanks (OECD, World Bank, WEF) and selected literature on risks, fragility and resilience, that can be used as entry point:

- [OECD 2014-09] Guidelines for resilience systems analysis: How to analyse risk and build a roadmap to resilience, by OECD (September 2014)
https://www.oecd.org/en/publications/guidelines-for-resilience-systems-analysis_b0017c2c-en.html
- [OECD 2022-09] States of Fragility 2022, by OECD (September 2022)
https://www.oecd.org/en/publications/2022/09/states-of-fragility-2022_9ee73e08.html
- [WEF 2024-01] Global Risks Report 2024, by the World Economic Forum (January 2024)
<https://www.weforum.org/publications/global-risks-report-2024/>
- [WBG 2024-10] Poverty, Prosperity, and Planet Report 2024: Pathways Out of the Polycrisis, by the World Bank Group (October 2024)
<https://www.worldbank.org/en/publication/poverty-prosperity-and-planet>
- [Lenton et al 2022-01] Lenton, T. M., Benson, S., Smith, T., Ewer, T., Lanel, V., Petykowski, E., ... & Sharpe, S., (2022). Operationalising positive tipping points towards global sustainability. *Global Sustainability*, 5 e1, 1-16.
<https://www.cambridge.org/core/journals/global-sustainability/article/operationalising-positive-tipping-points-towards-global-sustainability/8E318C85A8E462AEC26913EC43FE60B1>

based on this work, liaise notions of risks, fragility and resilience to the polycrisis and explore

- how to develop them into more specialized notions of poly-risks, poly-fragility and poly-resilience across domains,
- how to use them as foundations for de-risking strategies through removing crisis-transmitting / adding crisis-isolating links between domains and systems
- in a quest for domain/system topologies void of single points of failure

also taking stock of the

- [PolyCIVIS ongoing] “From Polycrisis to Polysolutions: An Interdisciplinary Approach to Complex Global Challenges” Foundational Brief 1 of PolyCIVIS Policy Series (internal draft)
- [Dixon-Declève et al 2023-02] Dixon-Declève, S., et al. Transformation in the polycrisis age. ESIR Policy Brief No. 5. Expert group on the economic and societal impact of research and innovation. Publications Office of the European Union.
<https://publica-rest.fraunhofer.de/server/api/core/bitstreams/f2edd7fd-9880-4edd-a84b-875ff0af0769/content>