

Conceptualizing policy mix(es) for just twin transitions: Policy mapping on Science, Technology, and Innovation initiatives in Europe and other countries.

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The recent policy debates have increasingly focused on the green and digital transitions, aiming to address the dual challenges of environmental sustainability and technological advancement. The green transition focuses on sustainable practices and climate change mitigation, and the digital transition aims to harness technology for societal benefit, albeit with associated risks such as inequality and security concerns.

This study wants to examine policies related to science, technology, and innovation from the EC-OECD STIP Compass dataset. The focus is on the European Union and its member states but extends to non-European countries where possible. It highlights the emergence of diverse policy mixes that blend innovation with environmental and social sustainability goals, reflecting varying national commitments to sustainability transitions.

The analysis leverages the Science, Technology, and Innovation Policy Compass database, co-managed by the European Commission and the OECD, which documents interventions aimed at achieving a net-zero transition. Utilising an integrated framework which aligns the 2030 Agenda's goals with Sustainable Human Development principles, the study adopts an integrated approach to assess these policies using quantitative methods (also including a text analysis). It emphasizes the importance of balancing human activities with social inclusion and environmental preservation, advocating for multi-sectoral cooperation and ecological awareness.