

Assessing the Labour, Income and Carbon Footprint on the Global Tourism Sector

Topic: Input-Output Analysis: Trade and Global Value Chains Policies - VI

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The tourism industry has rebounded from the COVID-19 pandemic. While the rapid growth of tourism can have a positive impact on the economy through GDP and employment, it also poses a danger to global warming due to its carbon-intensive nature. This research article aims to examine the nexus between employment, GDP, and carbon emissions for tourism activities at a global scale. The study employs the GLORIA multi-region input-output table to analyze the economic, social, and environmental impact of tourism for more than 160 countries. Data from various sources, including carbon emissions data, UN World Tourism Organization tourism statistics, and economic indicators between 2009 and 2019, were utilized to assess the historical performance of the tourism sector. Based on this, we further simulate the tourism impact on the national economy and environment in the post-COVID period. We provide the trajectory of tourism's significance in generating GDP and supporting employment while pointing out the possible emissions burdens on the national ambition to achieve net-zero by 2050.