

Toward a High Spatial Resolution Value Added and Employment Satellite Account for Norway

Topic: Input-Output Analyses and IO Modelling of Disasters - II

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In disaster analysis it is typical to consider a spatially bounded event and evaluate its impact on production, value added, and employment in affected sectors. Identifying the sectors exposed to a spatially defined stressor requires a multi-region input-output table with regional resolution and/or, as we explore here, a spatially explicit satellite account of production and employment. Motivated by the research question, “What is the scale and character of GDP in Norway generated within 10 meters of current sea level or in a potential riverine flood zone?”, this paper discusses approaches for generating a satellite account for value added and employment with high spatial resolution. We discuss potential data sources, challenges, and the value of data sharing with colleagues doing CO2 emissions accounting.