

## **Assessing the Distributional Effects of Maritime Spatial Planning Policies in Galicia, Spain: A Social Augmented Matrix Approach**

Topic: Input-Output Analysis: Sustainable Production and Consumption Policies - IV

Author: Andres Gonzalez

Co-Authors: Xess Pereira

In recent years, there has been growing interest in studying the impacts of maritime spatial planning policies, which aim to sustainably manage the use of marine space. While several studies have been conducted on this topic, input-output tables have been commonly used to understand the socioeconomic impacts of these policies. However, previous studies have not adequately explored the distributional effects among the various actors involved in different economies.

To address this research gap, we have constructed a Social Augmented Matrix (SAM) for the Galician region of Spain, which serves as a valuable tool for assessing the impact of maritime spatial planning policies on the economy. Our SAM is based on an input matrix that decomposes the fisheries sector into 14 sub-sectors, enabling us to capture the nuances of the industry and its impact on different actors.

Building on this SAM, we have focused on studying two key channels through which MSP policies affect the wider economy: changes in household income and changes in the output of affected factors.

To conduct our study, we have used the 2018 Galician Input-Output Framework, developed by the Galician Statistical Institute (IGE). We have also obtained the distribution of wages by educational level from the 2018 Wage Structure Survey, published by the National Statistical Institute (INE). Additionally, we have used information from the Household Budget Survey (INE) to determine the distribution of households by income level. Finally, we have analyzed fiscal aggregates using the public sector database (BADESPE), compiled by the Institute for Fiscal Studies (IEF).

As mentioned earlier, our study aims to assess the impact of maritime spatial planning policies by enhancing the analysis of distributional effects and nuanced multipliers through a SAM. By doing so, we seek to contribute to the current discourse on maritime spatial management and assist policymakers in making informed decisions that promote sustainable economic growth and social welfare.