Applied General Equilibrium: from Input-Output to AGE through Social Accounting Matrix

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Summary of the Training Session:

More and more, different types of economic policy programmes are based in Multisectorial Models to provide the economic effects ex-ante and ex-post. The goal of this training session is to present one of the most useful tool to analyse economic policies as Multisectorial Models. To provide the linkages from Input-Output Analysis (IO), Social Accounting Matrices (SAM) to Applied General Equilibrium Models (AGE). The training should allow the participants to gain a better understanding of economic policy questions that can be approached with the instruments and methodologies provided by Applied General Equilibrium models and to facilitate good negotiations based in these approaches.

Outline:

First Session   Importance of Computable General Equilibrium Modelling for Economic Policy Decisions.

Second Session   Foundations of Input-Output Modelling

Third Session   From the Input-Output Table to the Social Accounting Matrix.

Fourth Session   Modelling with PyIO, SIMSIPSAM and GAMS in Multisectorial Models: an Overview

Prerequisites: It could be necessary that participants have a basic level in Input-Output Tables, Social Accounting Matrices and Micro & Macro-economics foundations. Participants will bring with them their laptops.

Suggested References:

Applied General Equilibrium. An Introduction, Second Edition. M. A. Cardenete, A. I. Guerra and F. Sancho, Springer, 2017. https://link.springer.com/book/10.1007/978-3-662-54893-6