

Course on input-output

December 11th, 2023 | 14.00 (CET) - 18.00 (CET)

Conference room | CNR-Department of Social Sciences and Humanities, Cultural Heritage |
Via C.G. Sanfelice, 8 | Naples | Italy

Objectives

The course introduces participants to the input- output methodology for calculating direct and indirect economic, social and environmental impacts. The course is organized by the **CNR-Department of Social Sciences and Humanities, Cultural Heritage**.

This methodology can contribute to: (i) the analysis of demand changes such as changes in tourist consumption, (ii) the analysis of external shocks such as the one created by COVID-19 and (iii) report the impacts of the funding received from national and international institutions. In the first part of the course, participants will be introduced to the theoretical concepts of input-product analysis with practical cases. In the second part, participants will be using the Smart TIO application, to perform calculations with the input-product model in a simple and intuitive way.

Session 1

December 11th, 2023 - at 14.00 (CET)

Duration: 1.45 hours

- What is input-output analysis?
- Why indirect effects are important?
- Explanation of the input-output model
- Example of the input-ouput model

Session 2

December 11 th, 2023 - at 16.00 (CET)

Duration: 2 hours

- Introduction to Smart TIO
- Practical case 1: direct and indirect impacts calculated typing the numbers in the screen.
- How can we export results?
- Practical case 2: Impact calculations importing data in csv format.

Manuel Fernández-Grela

Professor at the University of Santiago de Compostela and co-founder of AYeconomics Research Centre

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He is **PhD in Economics** from the University of Santiago de Compostela (USC). He was **director of the Department of Fundamentals of Economic Analysis at USC** and **secretary of the Galician Studies and Development Institute (IDEGA)**. His main lines of research are input-output analysis, clusters, economic history and monetary theory, in which he obtained very fruitful results both in the form of publications and projects.

He has a **very strong international vocation** proved by his participation in several international projects, such as MIETC Project with Central Asia countries – Development of a Master Programme in the Management of Industrial Entrepreneurship for Transition Countries

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Yolanda Pena-Boquete

Co-founder and Head of the research division of AYeconomics Research Centre

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She is **PhD in Economics** by the University of Santiago de Compostela and she has been working or visiting researcher at different **international institutions** (University of Vigo (Spain), University of York (UK), University of Arizona (US), University of Salerno (Italy), ISSM-CNR (Italy)).

Her field of expertise is **labour market** with publications in recognised journal such as **Empirical Economics**, **Oxford Bulletin of Economics and Statistics**. She has also been working in environmental economics with publications in **Energy Economics** o **Energy policy**.

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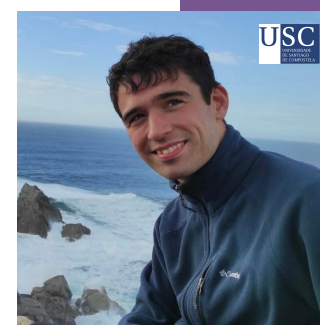
Fernando de la Torre Cuevas

Postdoctoral researcher at the University of Santiago de Compostela

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He is a **Ph.D. in Economics** by the University of Santiago de Compostela (Spain) and was also a **visiting scholar at Rutgers**, the State University of New Jersey (US). His field of expertise lies in between **input-output analysis** and **regional science**.

He has published two of his dissertation papers in **Economic Systems Research**, and **Structural Change and Economic Dynamics**. Additionally, he is one of the authors of the **algorithms** behind the **Smart TIO application** developed by AYeconomics for the input-ouput analysis.

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