

COORDINA

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ORGANIZAN

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**Enlace para acceso online: Se remitirá con anterioridad al
evento a los inscritos en modalidad online.**



GLOBAL VALUE CHAINS AND EMISSION FOOTPRINTS: THE INPUT-OUTPUT BACKGROUND

Sevilla, 1, 2 y 3 de octubre

**Seminario Prof. Joaquín Guzmán
Cuevas (Facultad de CC. Económicas y
Empresariales, 3ª planta)**

10:00 a 13:00 horas

Prof. Erik Dietzenbacher

**Catedrático de la Universidad de Groningen
(Países Bajos)**

Erik Dietzenbacher is Full Professor of Interindustry Economics at the University of Groningen. He has also been Affiliate Research Professor at the Regional Economics Applications Laboratory (REAL) of the University of Illinois at Urbana-Champaign. He was Honorary Professor at the University of the Chinese Academy of Sciences (UCAS) in Beijing, and Visiting Professor at the University of International Business and Economics (UIBE) in Beijing and at the Edward J. Bloustein School of Planning & Public Policy, Rutgers University, New Brunswick, NJ.

He was the project coordinator of “World Input-Output Database: Construction and Applications” (WIOD), a large-scale collaborative research project that was funded by the EU in its 7th Framework Programme. He is former President of the International Input-Output Association (IIOA), Fellow of the IIOA, Fellow of the Regional Science Association International (RSAI), Honorary President of the Chinese Input Output Association (CIOA), Honorary Fellow of the Hispanic-American Input-Output Society (SHAIO), and served on the advisory board of the Regional Research Institute (RRI) at West Virginia University in Morgantown.

He has published fifteen books and more than hundred articles in refereed scientific journals and edited volumes. His H-indexes are: 30 (Web of Science) and 48 (Google Scholar). He has been editor of Economic Systems Research, associate editor of the Journal of Regional Science and serves on the editorial board of the Journal of Economic Structures.

In 2023, he was awarded the distinguished Ricardo Torres Gaitán Chair by the Institute of Economic Research at the National Autonomous University of Mexico for his outstanding service of international importance. For his contributions to society, he was awarded a royal decoration (and appointed as Officer in the Order of Orange-Nassau) in 2021. In addition, he won several other prizes, such as the An Zijie International Trade Research Award (the top Chinese prize in international trade research).

Background of the course

Nowadays, the goods and services we consume are made in global supply chains. This is because Japanese cars, for example, include South Korean parts which use Chinese-made wiring. So, every Japanese car contains indirectly some Chinese production. Therefore, it also contains a little bit of Chinese labour and has caused some CO2 emissions in China. Input-output is a tool that has been used widely to get some grip on aspects related to production in the presence of global supply chains. Instead of studying supply chains for a specific product, input-output (IO) examines the effects at the industry, the country, or the global level. This lecture series provides a brief introduction to IO.

Objectives

- Get participants acquainted with: the methodologies and the large databases used in IO analysis and the topical discussions in the recent literature.
- Upon completion of this course, the applicant is able to: expand her/his knowledge on IO; read and understand scientific papers with simple applications of IO; identify cases where IO techniques can be applied meaningfully; analyse and interpret the outcomes of IO analyses; and critically evaluate the working of the IO model in applications.

Sessions

Lecture 1: A Crash Course in Input-Output and Applications with National IO Tables

Lecture 2: Global Multiregional Input-Output (GMRIO) Tables and Applications

Lecture 3: Structural Decomposition Analysis and Applications