

## Doctoral Course

### “Trade, Environment, and Growth: Advanced topics in Input-Output Analysis”\*

**Professor: Erik Dietzenbacher (U. Groningen)**

**March 9-13, 2015**

#### Description

This course applies input-output analysis to issues on trade, on environment, and on growth. For the production of commodities and services, industries depend on other industries for their intermediate products. More and more, such linkages between industries cross borders. Input-output analysis is a tool that takes such interdependencies in the production structure into full account. It has been applied to a wide variety of topics, ranging from agricultural and development economics to disciplines dealing with energy and environmental issues. The course will focus on three of such topics. Typical questions are the following. How much high-skilled labor in the US is involved in satisfying the demand for cars by households in Australia, reflecting trade in production factors? What is the greenhouse gas footprint of China, or how large are the Chinese "exports" of greenhouse gas emissions? What percentage of the growth in German GDP between 1995 and 2009 was due to the increased household consumption in the rest of the EU? To analyze these questions, the World Input-Output Database will be used.

Place: **Room B0.3** (Faculty of Economics and Business, **Sarriko**, UPV/EHU, Bilbao)  
Timetable: 10:00h – 13:00h.

**If you are interested in attending the course, please send an email to [marta.escapa@ehu.es](mailto:marta.escapa@ehu.es) (limited capacity).**

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