

Exchange Week for foreign visiting professors  
12<sup>th</sup> – 16<sup>th</sup> of March of 2018  
ISCTE-IUL, Lisbon

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**Professor: Catalina García García**

**University: Universidad de Granada**

**Country: Spain**

### **Brief CV**

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Catalina García García is a full professor at the Faculty of Economic and Business Sciences of the University of Granada-Department of Quantitative Methods for Economics and Business. Degree in Actuarial and Financial Sciences from the Autonomous University of Madrid and in Business Administration and Management from the Complutense University of Madrid. Her lines of research are collinearity treatment, econometric models and environmental applications.

### **On-going research topic**

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Alternatives to Traditional Regression

### **Topic of lecture for the students**

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**Environmental Econometric Models**

### **Outline of lecture for the students**

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The relevance of environmental issues is unquestionable and to design correct policies is required to know what the factors that cause pollution problems are. With this goal, econometric models are widely applied in the scientific and academic literature. This seminar presents the principal methodologies that explain the pollution to the atmosphere, the factors that are commonly analysed. An empirical illustration will be presented with European data. The outline will be:

1. Introduction
2. Analysis of the driving forces of environmental change
3. Review of econometric models a. The Environmental Kuznets Curve b. The Kaya Identity c. IPAT, ImPACT and STIRPAT
4. Empirical application with European data