

## Macroeconomic challenges of the green transition

21<sup>st</sup>-22<sup>nd</sup> September

### University of Pisa

Department of Economics and Management

Via Cosimo Ridolfi 10, Aula Magna.

#### Speakers:

**Andrew Jackson.** Post-doctoral research fellow at the Centre for the Understanding of Sustainable Proprietary (CUSP) in the University of Surrey. He works in a number of different areas, including modelling the economic and financial impacts of energy transitions using stock flow consistent, input-output and agent based models, monetary and fiscal policy, and the economics of money and banking.

**Simone D'Alessandro.** Senior Lecturer in Economics at the University of Pisa, and Coordinator of the PhD programme in Economics of the Tuscan Universities. His research interests are ecological Economics, development Economics, industrial Economics and ecological sustainability and degrowth.

**Tiziano Distefano.** Tenure-track Assistant Professor (Rtd-b) at the Department of Economics at the University of Florence (Italy). His main current research interests include Ecological Macroeconomics, International Trade, Water Resources, System Dynamics, Input-Output, Network Theory, and Epistemology.

**Yannis Dafermos.** Senior Lecturer in Economics at SOAS University of London. He is also the Research and Knowledge Exchange Convenor of the SOAS Department of Economics, a Senior Fellow at the SOAS Centre for Sustainable Finance and a Fellow at the Forum for Macroeconomics and Macroeconomic Policies (FMM). His research interests include financial macroeconomics, climate finance, ecological macroeconomics, climate-aligned development and inequality.

## September 21 – 14h – 19h

### 14. Opening Session

#### 14.30. Speakers: Andrew Jackson and Tiziano Distefano.

**Tiziano Distefano:** Integrated Assessment Models: theory and applications

**Andrew Jackson:** Macroeconomic, sectoral, and financial dynamic in energy transitions: a Stock-Flow Consistent, Input-Output modelling approach.

### 16. Coffe Break

#### 16.30. [Young Scholars Session 1](#)

### 17.45 Break

#### 18. [Young Scholars Session 2](#)

### 19. Closure

### 20. Social Dinner

## September 22 – 9h – 16h

### 9. Speaker: Yannis Dafermos

Macroeconomic policy and finance in the environmental crisis era:  
a stock-flow consistent lens

#### 9.45 [Young Scholars Session 3](#)

### 11 Coffe break

#### 11.30 [Young Scholars Session 4](#)

### 13.15 Lunch Break

#### 14.30 Final Session: Simone D'Alessandro

Social cohesion in the ecological transition: lessons from the Eurogreen model

#### 15.15. Closure and cultural walk.

## Young Scholars Sessions

Each presentation in 20 min followed by 5 min of discussion.

### Young Scholars Session 1 [3 YS - 1h15min]

**1. The Energy Transition within a Just Transition**

Till Heydenreich, Universitat Autònoma de Barcelona

**2. Introducing households' energy demand in an agent-based model to address income and carbon inequality**

Giacomo Ravaioli, Universidade de Lisboa

**3. Powerful Promises: Integrating credit creation in modern economies and the role of energy in production**

Leon Heckmann, Technical University of Munich

### Young Scholars Session 2 [2 YS - 50min]

**1. Biodiversity Integrated Assessment Modelling: a critical review and ways forward for ecological macroeconomics**

Katie Kedward, University College London

**2. Modelling Green Transition of the Chinese Economy**

David An, University of Siena

## Young Scholars Session 3 [3 YS - 1h15min]

1. **Using input-output stock-flow consistent models to simulate and assess “circular economy” strategies**

Jose Bruno Fevereiro, University of Sheffield

2. **A Stock-Flow Consistent Input-Output model to study the relevance of interindustry product flows in the green energy transition**

Mattia Pettena, University of Genoa

3. **Within-industry emission heterogeneity and its influence on the green transition**

Jakob Nitschke, University of Naples 'Parthenope'

## Young Scholars Session 4 [4 YS - 1h40min]

1. **Degrowth and Poland’s labour market: adaptation study**

Alicja Boryń, Uniwersytet Jagielloński w Krakowie

2. **Degrowth Pathways for Energy Transition**

Raimon Cardelús Ylla-Català, Universitat Autònoma de Barcelona

3. **International cooperation, post-growth and the North-South divide: a stock-flow consistent analysis.**

Dario Leoni, University of Surrey

4. **Economic Perspectives on the Energy Transition**

J. Christopher, Roma Tre University

---

Support:

**Young Scholars Initiative** – Institute for the New Economic Thinking

Department of Economics and Management, **University of Pisa.**

**PRA\_2022\_41**- Wellbeing In a Dematerialized Economy. An RRI Conception  
(WIDE-ARC)