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Italiadomani
PIANO NAZIONALE
DI RIPRESA E RESILIENZA



UNIVERSITÀ
DEGLI STUDI
FIRENZE



***Multi-scale modelization toward Socio-ecological Transition
for Water management (MUST4Water)***
code: P2022R8ZTW, cup: B53D23026620001

Summer School

“Multiscale Modeling and Ecological Macroeconomics”

8-10 September 2025

Building Block D5 - Room 1.14 (first floor)

SIMPLE-G Modelling

9:30 am – 10:30 am - **Registration and Breakfast (building D6)**

11:30 am – 11:45 am - **Welcome**

11:45 am – 1:15 pm - **Geo-referenced Simulation Models: The SIMPLE and
SIMPLE-G framework | Cristina Vaquero Pineiro**

1:15 pm – 2:30 pm - **Lunch**

2:30 pm – 4:00 pm - **Impact of Population and Income Growth on Global
Agricultural Output, Prices and Land Use | Maria Laura Ojeda**

4:00 pm - 4:30 pm - **Break**

4:30 pm - 6:00 pm - **Multidimensional and multiscale indicators| Mario Biggeri**

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Building Block D15 - Room 0.05 (ground floor)

Input-Output and applications

9:00 am – 10:30 am - **Input-Output Analysis and Development strategies** | **Donato Romano**

10:30 am - 11:30 am - **Coffee Break**

11:30 am – 1:00 pm - **Modelling the ecological transition through a simple IO-SFC model** | **KEYNOTE SPEAKER: Marco Veronese Passarella**

1:00 pm - 2:30 pm - **Lunch**

2:30 pm – 4:00 pm - **Environmentally extended input-output models: a focus on water resources** | **Gino Sturla Zerene & Benedetto Rocchi**

4:00pm - 4:30pm - **Break**

4:30pm – 6:00pm - **Input-output analysis: an optimization approach** | **Mauro Viccaro & Majid Zadmiraie**

8pm - **Social Dinner**



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Ecological Macroeconomics

9:00 am – 10:30 am - **The practice of epistemology for Integrated Assessment**

Models: Rationalism, Skepticism and Post- Normal Science | Michele Manfroni

10:30 am - 11:30 am - **Coffee Break**

11:30 am - 1:00 pm - **10 Lessons from EUROGREEN & Multiscale extensions |**

Simone d'Alessandro & Tiziano Distefano

1:00 pm - 2:30 pm - **Lunch**

2:30 pm - 4:00 pm - **EUROGREEN Lab | Guilherme Spinato Morlin & Raphael**

Porcherot

4:00 pm - 4:30 pm - **Break**

4:30 pm - 6:00 pm - **Round Table: Future directions | Marco Veronese Passarella,**

Giorgia Giovannetti & Simone d'Alessandro



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Invited Lecturers

Marco Veronese Passarella (**Keynote Lecture**, University of L'Aquila)

Michele Manfroni (Université Grenoble Alpes)

Simone D'Alessandro (University of Pisa)

Guilherme Morlin (University of Pisa)

Lecturers of the Summer School

Tiziano Distefano (University of Florence)

Luca Salvatici (Roma Tre University)

Cristina Vaquero (Roma Tre University)

Maria Laura Ojeda (Roma Tre University e Universidad de Buenos Aires)

Benedetto Rocchi (University of Florence)

Giorgia Giovannetti (University of Florence)

Gino Sturla Zerene (Universidad Diego Portales, Chile)

Mauro Viccaro (University of Basilicata)

Majid Zadmirzaei (University of Basilicata)

Raphael Porcherot (University of Florence)



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Workshop “*Macroeconomic Challenges of the Green Transition III*”

Following the Summer School, the Workshop *Macroeconomic Challenges of the Green Transition III* will take place on **September 11–12** in **Pisa**, organized by the Ecohesion Collective and the Department of Economics at the University of Pisa.

More information is available at the following link:
<https://www.ecohesion.it/en/news/call-for-papers-workshop-macroeconomic-challenges-of-the-green-transition-iii>