



Mattia Pettena

Numero di telefono: (+39) 12345

ESPERIENZA LAVORATIVA

 **Università degli Studi del Sannio** – Benevento

Docente universitario a contratto

[02/2026 – Attuale]

 **University of Salerno** – Salerno, Italia

Assegnista di Ricerca

[01/06/2024 – 30/11/2025]

 **CNR - Istituto di Studi sul Mediterraneo (ISMED)** – Napoli

Consulente - Incarico di collaborazione occasionale

[02/2025 – 11/2025]

 **European Central Bank**

Trainee in Market Operations Systems division

[02/2021 – 02/2021]

 **Feri Trust GmbH** – Bad Homburg, Germania

Investment Research Intern

[08/2018 – 11/2018]

ISTRUZIONE E FORMAZIONE

PhD in Mechanical, Energy, and Management Engineering - Curriculum Economics and Management

Università di Genova [11/2021 – 05/2025]

Paese: Italia

Master of Arts "Economic Policies in the Age of Globalisation" (EPOG)

University Sorbonne Paris Nord (Paris 13) [09/2019 – 07/2020]

Città: Paris | Paese: Francia

Master of Science "Money and Finance"

Goethe University [10/2016 – 08/2019]

Città: Frankfurt am Main | Paese: Germania

Laurea triennale in "Sviluppo Economico e Cooperazione Internazionale"

Università di Firenze [10/2012 – 07/2016]

Città: Florence | Paese: Italia

Pubblicazioni

Pettena, Mattia, and Marco Raberto. 2025. "Energy Transition and Structural Change: A Calibrated Stock-Flow Consistent Input-Output Model."

Structural Change and Economic Dynamics 75 (December): 949–95. <https://doi.org/10.1016/j.strueco.2025.10.014>

Tesi di dottorato (2025), Università di Genova: "Global energy transition pathways and structural change: a calibrated Stock-Flow Consistent Input-Output model of the world economy"

<https://hdl.handle.net/20.500.14242/211091>

Invited speaker

- Institute for Studies on the Mediterranean - Italian National Research Council (CNR), Naples (Italy), 4th November 2025. Title of my presentation: "The role of innovation in the energy transition"
- Institute of Economic Structures Research, Osnabrueck (Germany), 11 June 2025, online. Title of my presentation: "Energy transition and structural change: A calibrated Stock-Flow Consistent Input-Output model"
- University of Strasbourg (France), October 2023, online. Title of my presentation: "Effects of the energy transition in a calibrated Stock-Flow Consistent Input-Output model of the world economy"

Presentazioni a conferenze/workshops

Third International Workshop on Empirical Stock-Flow Consistent Modeling, 14-16 January 2026, Cassino (Italy). Title of my presentation: "Low-carbon transitions and innovation: analysis through a calibrated SFC-IO model"

Input-Output Perspectives on Economic Dynamics and the Blue Economy Workshop, Naples (Italy), 27 November 2025. Title of my presentation: "Assessing the Blue Economy for Maritime Spatial Planning: A Satellite Accounting Approach"

37th Annual EAEPE Conference 2025, 24-26 September 2025, Athens (Greece). Title of my presentation: "Energy transition and the entrepreneurial state: An SFC Input-Output model"

Ecological Macroeconomics modelling workshop, 17-20 July 2025, Lyon (France)

18th Conference of the International Society for Ecological Economics and 11th International Degrowth Conference, Oslo (Norway), 24-27 June 2025. Title of my presentation: "Energy transition, rebound effect and EROI: a dynamic input-output model"

22nd STOREP Conference, Termoli (Italy), 12-14 June 2025. Title of my presentation: "Energy transitions and Energy Consumption: a Stock-Flow Consistent Input-Output model"

YSI Workshop on Climate Change, Sustainability, and the Green Transition (2025), University of Salerno. Title of my presentation: "Energy transition and structural change: A calibrated Stock-Flow Consistent Input-Output model"

Input-Output-Workshop 2025, Groningen (Netherlands). Title of my presentation: "Energy transition and structural change: a calibrated stock-flow consistent input-output model"

Forum for Macroeconomics and Macroeconomic Policies 2023, Berlin. Title of my presentation: "Conditions and implications of the energy transition in a calibrated SFC input-output model of the world economy"

YSI Workshop "Macroeconomic challenges of the green transition" (2023), University of Pisa. Title of my presentation: "A Stock-Flow Consistent Input-Output model to study the relevance of interindustry product flows in the green energy transition".

35th EAEPE Conference 2023, Leeds. Title of my presentation: "Stock-Flow Consistent models meet Input Output Analysis & Tables: applications to energy transition studies"

29th International Input-Output Association Conference 2023, Alghero. Title of my presentation: "A Stock-Flow Consistent Input-Output model to study the relevance of interindustry product flows in green energy transition policies"

ABM4Policy Workshop 2022, Sant'Anna School of Advanced Studies. Title of my presentation: "An Agent-Based Input-Output model to study the relevance of interindustry product flows in green energy transition policies"

Forum for Macroeconomics and Macroeconomic Policies 2022, Berlin. Title of my presentation: "Investment conditions for a timely energy transition: An analysis through an agent-based, SFC input-output model"

34th EAEPE Conference 2022, Naples. Title of my presentation: "Investigating the determinants of the green energy transition through an agent-based input-output model"

ALTRE CAPACITÀ ED ATTIVITÀ

Borse di studio e premi

- 10/2017 - 03/2019: borsa di studio del German Academic Exchange Service (DAAD)
- 10/2016 - 09/2017: borsa di studio della German Ministry of Education (Deutschlandstipendium)

Capacità digitali

- **Matlab:** *avanzato*.
- **R Studio:** *intermedio*.
- **Stata:** *intermedio*.
- **Latex:** *avanzato*.
- **Github:** <https://github.com/MattiaPettena>

COMPETENZE LINGUISTICHE

Competenze linguistiche

Italiano: madrelingua

Inglese: avanzato

Tedesco: avanzato

Spagnolo: intermedio

Autorizzo il trattamento dei miei dati personali presenti nel CV ai sensi dell'art. 13 d. lgs. 30 giugno 2003 n. 196 - "Codice in materia di protezione dei dati personali" e dell'art. 13 GDPR 679/16 - "Regolamento europeo sulla protezione dei dati personali".