

Thomas Elliot

Assistant Professor

Thomas Elliot's research specialty is using system models linking human, ecological, and economic processes to estimate how our future might look under different scenarios according to social and economic parameters. He holds a PhD in Sustainable Energy Systems from the MIT Portugal programme at University of Lisbon and has extensive research experience worldwide including in Luxembourg, Canada, Germany, and Denmark. During his PhD he developed socio-ecological modelling skills, and now combines these with life cycle assessment applied to social tipping points. In particular, he works with social contagion models using system dynamics to understand how behaviour change can influence supply chains, and benefit climate change mitigation. He also works across the fields of life cycle management, socio-economic metabolism, ecological economics, and broadly sustainability transitions. Dr Elliot is also actively involved in science communication as co-founder of the podcast *Two Guys One Paper* which features interviews with early career researchers who have recently published one of their first peer-reviewed papers.

Current Employment

2025 - today **Assistant Professor** in Life Cycle Sustainability, Department of Sustainability and Planning, Aalborg University, Denmark.

Previous Employment

2023 - 2025 **Marie Curie Postdoctoral Fellow** in Life Cycle Sustainability, Department of Sustainability and Planning, Aalborg University, Denmark.
2021 - 2023 **Postdoctoral Fellow**, École de technologie supérieure, Canada.
2017 - 2021 **Researcher and PhD Fellow**, Luxembourg Institute of Science and Technology, Luxembourg
2011 - 2014 **Energy Analyst/Senior Energy Analyst**, Ministry of Business, Innovation, and Employment, Government of New Zealand, New Zealand

Education

12.01.2021 **PhD**, Sustainable Energy Systems, University of Lisbon and MIT Portugal Program, Portugal
18.10.2017 **Postgraduate Certificate**, Planning, Massey University, New Zealand
15.02.2017 **Master of Engineering**, Life Cycle Management, Massey University
30.11.2007 **Bachelor of Science**, Mathematics, Massey University

Academic awards

2023 – Best poster, Sustainable Urban Systems, International Society for Industrial Ecology (ISIE) Conference, Leiden, Netherlands
2020 – Best presentation, International Conference on Sustainable Development (ICSD)

Publication track record

Scopus profile: 24 peer-reviewed research papers, h-index 15
Orchid-ID: 0000-0002-1046-7830

Selected project management

2023-2025 Dynamic LCA project, WP lead – *Modelling climate impacts*, Ministry of Business, Innovation and Employment, New Zealand
2023- Dynamic System Strategies for Climate Social Tipping Points (DARETOTIP), grant recipient, Horizon Europe MSCA Individual Fellowship

Memberships & public service

2024- Visiting Scientist, Potsdam Institute for Climate Impact Research, Germany
2024- Board member, Sustainable Urban Systems section within the ISIE
2023- Member, International Society for Industrial Ecology (ISIE)
2020- Member, System Dynamics Society (international)
2019- Member, International Society for Ecological Economics
2018- Member, Working Group 5: Modeling Ecosystem Services, of Ecosystem Services Partnership (international)