

CONTACTS

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Github [NoFishLikeIan](https://github.com/NoFishLikeIan)

EDUCATION

PhD in Theoretical Economics 2022 - Ongoing
University of Amsterdam
Differential and network games with application to climate economics.
Supervisors: Prof. Florian Wagener & Prof. Cees Diks

Research Master's Economics, *cum laude* 2019 - 2022
Tinbergen Institute

B.Sc. Economics, *cum laude* 2014 - 2017
University of Amsterdam
Visiting *Bocconi University*

WORK

Data Scientist and Engineer 2017-2019
Accurat, Milan and New York
Built data pipelines and statistical analysis as inputs for data visualisation products.

Junior Financial Analyst 2013-2014
Usarci servizi, Treviso
Aided experienced analysts in developing financial services.

WORKING PAPERS

Endogenous Fragility in Opaque Supply Chains 2022
Can supply chain unobservability generate endogenously fragile production network? I investigate this in a network production game.
[Working paper](#)

Climate Tipping Points and Optimal Emissions 2023
How does the risk of climate tipping affect the social cost of carbon? I solve a social planner economy with non-linear climate dynamics.

Blurred Price Signals in EU Emissions Trading System 2023
Is there a link between volatility in the secondary market of emission permits and firms' innovation incentives? Should regulators step in and stabilise permit prices?

An NLP analysis of institutional investors' stance towards environmental sustainability 2019
We use computational techniques to identify influence of institutional shareholders on corporate decision-making.

with Davide Grossi, Alessio M. Paccos, Xinyi Wang

Bayesian Motion Extrapolation

2022

How does the brain compensate for neural delays during motion perception?

with Philippa Johnson

CONFERENCES

EEA-ESEM 2023, Barcelona

Summer 2023

Endogenous Fragility in Opaque Supply Chains. Contracts and Markets panel

Dutch Network Science Society Symposium, Leiden

Fall 2022

Percolation in Production Networks

GRANTS

A Sustainable Future Grant

2021

€ 10.000

TEACHING

Complex Economic Dynamics 2

Spring 2023 and 2024

MSc. Econometrics and MSc. Computational Sciences

Complex Economic Dynamics 1

Fall 2022 and 2023

MSc. Econometrics and MSc. Computational Sciences

Mathematics 3, Advanced Linear Algebra

Fall 2023

BSc. Econometrics and Data Science

Microeconomics for AE

Fall 2022

BSc. Econometrics and Data Science

Mathematics 2: Real Analysis

Spring 2022

BSc. Econometrics and Data Science

Economics of Environmental Tipping Points

Spring 2022

MSc. Econometrics and MSc. Computational Sciences

SKILLS

- **Languages:** Italian (native), English (C2), Dutch (B1).
- **Programming:**
 - Expert: Julia, Python, C++, Mathematica, Typescript
 - Intermediate: Matlab, R, Clojure
 - Beginner: Prolog
- Experienced at using Kubernetes on High Performance Computing systems to perform data analysis parallelisation.
- Committed to Open Science; all code from my PhD are open source and reproducible.

SOFTWARE

CooperativeGames.jl

Julia package to efficiently solve cooperative games with transferable utility

EFChaos.jl

Julia package to simulate non-linear economic and finance models. Porting of E&F Chaos.

fred_md

Python package to import and manipulate Fred MD data.

nlp-financial-env

Python package to extract green saliency of institutional investors reports, based on Latent Dirichlet Allocations.