

Isabella Della Sala

Date of birth: 27/02/2002
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EDUCATION

Barcelona School of Economics

Specialised Master Program in Economics of Climate Change, Energy and Sustainability
Relevant courses: Foundations of data science, Empirical Methods for the Analysis of the Energy Transition, Economics of Market Regulation and Quantitative Evaluation of Public Policies and the Environment

Degree awarded by Universitat Pompeu Fabra and Universitat Autònoma de Barcelona

- Master Thesis: An investigative study into Sustainable Aviation Fuels, comparing kerosene with second generation biofuels and synthetic fuels in the EU and their consequent impact on emission reductions aligning with the Paris Agreement and ReFuelEU.

Barcelona, Spain

09/2024– 07/2025

University of Glasgow

BSc Mathematics (A corresponds to a 1st, B to a 2:1 and A1 is higher than A5)

Degree awarded: upper second-class degree (2:1)

- 4th year: Focused on applied mathematics from partial differential equations with applications to traffic flow to numerical methods and mathematical finance. I completed an investigative report on Hysteresis and collapse of ecological systems, under the supervision of Professor Christina Cobbold, titled Non-linear behaviour of Arctic sea-ice.
- 3rd year: Focused on both applied and pure mathematics. A5 awarded for the Writing and Presenting Mathematics module in which I underwent study on investigative projects titled "Mathematical Modelling of Bacterial Population Growth and Inhibition" and "Logistic Curves and Data Fitting for the Foot-and-Mouth Disease Outbreak of 2001".

Glasgow, Scotland

09/2020– 06/2024

RELEVANT EXPERIENCE

Science Baccalaureate

Independent Research

Conducted an interdisciplinary research project on 'Water Scarcity: Awareness and Possible Solutions.' This venture combined mathematics, biology, and sustainability.

Collected and analysed data, interviewed professionals in relevant fields, and evaluated potential solutions from both environmental and economic perspectives. I presented my research findings to assessors and I addressed questions during the Q&A session.

Edinburgh, Scotland

09/2019– 03/2020

CEMFI

Research Assistant

Assist in projects on macroeconomics and labor economics, including tasks such as proofreading academic papers, organizing research documents, conducting data analysis using Stata, and gathering information for policy-related analyses.

Madrid, Spain

09/2025– 08/2026

LANGUAGES & TECHNICAL SKILLS

Language skills: English (Native), Italian (Fluent), Spanish (Basic)

Technical skills: Foundational skills in MatLab, LaTeX, Stata, R, QGIS and Julia.

ADDITIONAL INFORMATION

High school achievements: I was elected Head Girl and awarded a medal for this service to the school. I also received Academic Achievement Awards for Biology, Spanish and French for best performance.

During the pandemic, I took the opportunity to expand my knowledge by enrolling in online university courses in computer science, statistics, and microeconomics.

I contributed to the running of a charity (Mamalita) which focused on providing school education to children in Southeast Malawi. I attended and helped organise conferences and networking events, facilitating collaboration between communities in Namwera and Scotland with the focus of raising awareness for the cause.

