

Stefano Ghirlandi

✉ stefano.ghirlandi@gmail.com  linkedin.com/in/stefano-ghirlandi

EDUCATION

Industrial Ecology MSc

Universiteit Leiden 

Optimizing industrial systems to minimize waste and pollution by mimicking natural ecosystems.
Expertise in LCA, MFA and EEIOA methods with focus on systems and transition management
Student Member of the Programme Committee on quality of education and feedback reception
Athens exchange at the Technical University of Warsaw (Spring, 2024)

09/2023 – present
Leiden/Delft, The Netherlands

Management Engineering BSc

Università di Parma 

Graduated with 110/110 cum laude
Erasmus+ at the University of Zilina, Slovakia (Fall, 2021)

2019 – 2022
Parma, Italy

Opera singing

Conservatoire "A. Boito"

Study of vocal techniques and knowledge of Belcanto tradition, foundation of Western music.

2017 – 2021
Parma, Italy

Classical Diploma

Grammar school "G. Romani"

Graduated with 100/100
Rotary Youth Leadership Awards (RYLA): awarded to worthy students for leadership skills

2014 – 2019
Casalmaggiore, Italy

PROFESSIONAL EXPERIENCE

Research Fellow

University of Parma

Comparative LCA of inductive recharge ERS systems for e-mobility and traditional ones on the behalf of BreBeMi highway.
EROI for Pharma. Published a comparative LCA  between RFID tags and a paper  on sustainable ROI for healthcare companies.

11/2022 – 07/2023
Parma, Italy

Teacher Assistant

Universiteit Leiden

Supported students in acquiring IE expertise on beyond-GDP (prof. Hoekstra ), complex systems analysis (prof. Xevgenos ) and material flow quantification (prof. Donati ).

09/2024 – 04/2025
The Netherlands

Research Assistant

Deutsches Zentrum für Luft und Raumfahrt (DLR)

Thesis research on material flow of Critical Materials in aerospace

09/2025 – Present
Hamburg, Germany

LEADERSHIP AND ACTIVITIES

IESA Shift - Study association

Treasurer and Study trip chair

Managed the budget for the year 2024/25 with a 15% revenue increase
Chaired the study trip to Vienna, Austria for 40 fellow students

04/2024 – present
The Netherlands

Venetia Picciola Festival

Casalmaggiore International Festival

Built cultural project “Venetia Picciola Festival”; fundraised € 105k for initial budget
Confirmed for year 2023 with additional € 30k

2018 – present
Casalmaggiore, Italy

ADDITIONAL INFORMATION

Italian Language (Native speaking) • **English Language** (IELTS Academic - 8) • **Programming skills** (Python) • **Spanish Language** (Conversational) • **Interests** (Classical and Jazz Music, Cinema, Ecological Economics, Industrial Ecology.)