

Andrea Cavina

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PRESENTATION

I am a PhD candidate in *Cultural and Environmental Heritage* at the University of Bologna, working on the EU-funded [NET-Fuels](#) project. NET-Fuels aims to develop and validate an integrated chemical process, combining the production of carbon-negative and regenerative bioenergy, biofuels, and biochar from low-grade secondary biomass. My main research objective is to integrate system dynamics with ethnography to improve the comprehension, diffusion, and implementation of regenerative energy systems. In 2023, I was awarded a research fellowship with the [IMPACT HAU](#) project to investigate the social, political, and cultural dimensions of Ravenna's energy transition. I also collaborate with the trade union CGIL-Filctem (RA) and the Social and Cultural Anthropology Lab ([SCALa](#)) of the Department of Cultural Heritage in Ravenna.

PERSONAL PROFILE

Self-motivated, respectful, and independent, with an aptitude for critical thinking and creative problem-solving.

An intuitive learner that can quickly adapt to different tasks and environments.

Honest and objective, with a passion for research and the desire to contribute to social and environmental well-being.

Strong communication skills, both in speaking and in writing. Able to convey complex ideas to a range of audiences.

Language competences: Italian (mother-tongue), English (C1), German (C1), and Spanish (B2).

Excellent IT skills. Proficient with Microsoft Office and Google Suite applications.

RESEARCH EXPERIENCE

PhD – Cultural and Environmental Heritage

November 2023 - Ongoing

Università di Bologna, Campus di Ravenna, Ravenna, Italy

My research project aims at integrating system dynamics with ethnography to: i) assess NET-Fuels' potential socio-ecological impacts; ii) study NET-Fuels as a socio-technical-ecological assemblage; iii) engage the larger public on sustainable energy systems. This includes interviews and living labs with the technical team and stakeholders, the development of the project's system dynamic model comprehensive of societal factors (e.g., social, political, cultural), and dissemination activities and events.

I am also collaborating with the SCALa lab on a research project aimed at valorising the history, collective memory, and cultural identities of Ravenna's port.

Key research topics: energy humanities; energy transition; ethnography; system dynamics; socio-technical-ecological systems.

Research Fellowship

January 2023 - November 2023

Università di Bologna, Campus di Ravenna, Ravenna, Italy

As a research fellow, I investigated the factors limiting the public engagement of Ravenna's community in its own energy transition. Employing qualitative and quantitative methods, our team assessed the current state of public engagement, identified its primary constraints, and proposed viable solutions. The research results are soon to be published in the IMPACT HAU project's volume.

During the fellowship, I also collaborated with trade union CGIL-Filctem (RA) in the organisation and moderation of a workshop for trade union representatives on the topic of the socially just energy transition.

Key research topics: energy transition; public engagement; socio-ecological transformations.

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EDUCATION

M.A. – International Cooperation on Human Rights and Intercultural Heritage

2019 - 2022

Università di Bologna, Campus di Ravenna, Ravenna, Italy

A multi-disciplinary degree covering: political theory, international relations, human rights, intercultural heritage, history, economics, law, geography, anthropology, and project management in the context of international development.

I graduated with a master dissertation articulating a critique of the “green growth” approach to energy transitions.

During my studies, I also:

- Participated in the *Conference on the Future of Europe* to create a more fair, inclusive, and sustainable EU.
- Formed and moderated an online study group during COVID-19 lockdowns.
- Organised a petition to request the withdrawal of an honorary degree awarded to Aung San Suu Kyi.
- Organised an awareness-raising event to highlight the wrongful imprisonment of a fellow student in Egypt.

B.A. – Social and Cultural Studies

2014 - 2018

Europa Universität Viadrina, Frankfurt (Oder), Germany

A multi-disciplinary degree covering: anthropology, social and political sciences, linguistic, philosophy, history of political thought, history and philosophy of science, economics, law.

During my studies, I also:

- Volunteered to provide asylum seekers with legal and procedural counsel.
- Studied one semester at the University of Bologna as part of the Erasmus programme.
- Carried out an internship in Bologna for the assisted voluntary repatriation of migrants living in Italy.
- Worked as a night-shelter operator for disadvantaged in Bologna.

INTERESTS

Volunteering

I regularly donate blood and volunteer with the Italian Red Cross to provide medical transport and assistance.

Hobbies

Reading and learning.

Hiking, camping, and travelling.

Photography and astrophotography.