

Elena De Petrillo

Appointments

- 2023-2024 **Cambiamenti climatici e socio economici**, Department of Environment, Land and Infrastructure Engineering, Politecnico di Torino, Collaborator
- 2022-2023 **Technology and Sustainable Agriculture and Food**, International Training Center of the International Labour Organization, United Nations, Turin School of Development, Collaborator

Education

- 2023 **Stockholm Resilience Center, Stockholm University**, Visiting Scholar, *Green water and food production*
- 2021- **Ph.D.**, Environmental Engineering, Politecnico di Torino, *Global water flows, food production and trade*
- 2018-2021 **M.Sc.**, Environmental Engineering, Politecnico di Torino, *Thesis: A step forward toward high resolution water footprint assessment at the company's scale*
- 2015-2018 **B.Sc.**, Environmental Engineering, Politecnico di Torino, *Thesis: Agriculture water footprint: spatial analysis using free data visualization software*

Grants and Awards

- 2021 **Best Short Films Awards featuring in the FoodxFilm Festival**, World Food Forum 2021
- 2021 **Qualification to Practice**, Politecnico di Torino, Environmental and Civil Engineering, 48/50
- 2021 **Ph.D Fellowship**, Politecnico di Torino, Environmental and Civil Engineering- Hydrology
- 2021 **Research Fellowship**, Politecnico di Torino, *Project title: Water-food nexus: innovative tools for data processing and visualization and dissemination of results*
- 2020 **Erasmus Mobility Program Fellowship**, Politecnico di Torino
- 2020 **Student Research Fellowship**, Politecnico di Torino, *Project title: Interactive visualization and communication of the Water Footprint database through innovative and social tools*
- 2019 **Student Project funding**, Politecnico di Torino, *Project title: In difesa dell'ecosistema fluviale – team AKA Noah*
- 2019 **Student Research Fellowship**, Politecnico di Torino, *Project title: Spatial analysis of hydrological data and water footprint using free data visualization software*

Publications

- 2024 **De Petrillo, E.**, Fahrlander S.F., Sealby Andersen L., Tuninetti, M., Ridolfi, L., Laio, F. *Reconciling atmospheric water flows within the global freshwater cycle*. In preparation
- 2023 **De Petrillo, E.**, Tuninetti, M., Ridolfi, L., Laio, F. *International corporations trading Brazilian soy are keystone actors for water stewardship*. Communications Earth & Environment, vol. 4. ISSN 2662-4435
- 2021 **De Petrillo, E.**, Falsetti B., Sciarra C., Tuninetti, M., *Water to Food : A data-viz book about the water footprint of food production and trade*. ISBN: 9791220096362. **BOOK**.
- 2021 **De Petrillo, E.**, Tuninetti, M., and Laio, F. *A step forward toward the high-resolution assessment of virtual water flows at the company's scale* (No. EGU21-14900). Copernicus Meetings. Conference Abstract.

Editorial Activities and Conferences

- 2023 **European Geoscience Union 2023**, Water Resilience Network meeting.
- 2022 **American Geophysics Union 2022**, Water and Society: Water Resources Management and Policy in a Changing World II, Oral Presentation, Chicago (United States)

- 2022 **Giornate Italiane dell'Idrologia**, Eco-idrologia e gestione sostenibile delle risorse idriche, Poster Presentation, Genova (Italy)
- 2022 **Reviewer**, Journal of Hydrology.
- 2021 **European Geoscience Union 2021**, Solutions for sustainable agri-food systems under climate change and globalization, Oral Presentation.

Consultancy and Collaborations

- 2023- **H4O**, Education and Dissemination Partner
- 2019- **Make It Tasty**, Exhibitor and Sustainability Partner

Invited speaker

- 2023 **Torino Earth Day 2023**, Convener and Presenter
- 2023 **Biennale Tecnologia 2023**, "Food & Tech" Laboratory with Secondary School
- 2022 **Torino WaterFest 2022**, Organizer, Convener and Presenter
- 2022, 2023 **LabEinstein, Laboratorio di Democrazia: Scarsità idrica**, Invited Speaker
- 2022 **Legambiente Word Water Day 2022 in schools**, Invited Speaker
- 2021 **WaterToFood Conference**, Co-Organizer and Speaker

International Experiences

- 2021 **Institute Pierre Simone Laplace, Sorbonne University of Paris**, Spring School
Climate Change: Challenge and Issues for the Earth Science
- 2020 **Universidad de Huelva**, Erasmus Mobility Program,
Coursing Agriculture Engineering (Ingeniería Agrícola) and Forestry Engineering (Ingeniería Forestal)
- 2015 **Leiden Model United Nations (LEMUN)**,
Working in the "Special Political Decolonization" Committee, as delegate for France.
- 2014 **Lisbon Model United Nations (LIMUN)**.,
Working in the General Committee, representing Togo.

Projects and Volunteering

- 2023 **WWF Italia, Sea Turtle Project Conservation**, OASI WWF Costa Jonica, Policoro (MT), Italy
- 2019-2021 **Student team A.K.A.Noah Polito**, Politecnico di Torino, Team Leader and Founder
- 2018- **WaterToFood**, Co-Founder
- 2018-2020 **Worldrise**, Activist for Ocean Conservation
- 2017-2020 **EcòPoli Student Group**, Politecnico di Torino, Founder

I authorize the processing of my personal data pursuant to Legislative Decree no. 196

24 January 2023