

# VALENTINA GUERRIERI

**Nationality:** Italian

**Date of Birth:** 12/06/1997

**Address:** Bologna (Italy)

Researcher with a focus on holistic sustainability assessment methods and tools. My work centers on promoting sustainable management practices for water and soil in agricultural systems. By integrating interdisciplinary and participatory approaches, I strive to bridge science and policy for sustainable food systems transformation.



## CONTACT



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## EDUCATION

- **MSc in Science and Management of Nature** 11/18- 03/21

Alma Mater Studiorum - Università di Bologna, Italy

**Curriculum:** Global Change Ecology and Sustainable Development Goals

**Final grade:** 110/ 110 cum laude

- **BSc in Agricultural Sciences and Technologies** 11/15- 11/18

Università degli studi di Foggia, Italy

**Final grade:** 110/ 110 cum laude



## SKILLS



### Language:

**Italian:** Mother tongue

**English:** Proficient User (IELTS Band Score 8)

**French:** Basic/Independent User



### Digital:

R, Stata, SimaPro, openLCA, Tableau, Canva,



### Organisational:

Project Management, tasks planning and implementation, workshops organisation



## EMPLOYMENT HISTORY

- **Post-doctoral Researcher** 11/24 - Ongoing  
Alma Mater Studiorum - Università di Bologna, Italy
- **PhD in Agricultural, Environmental, Food Science and Technology** 10/21 - Ongoing  
Alma Mater Studiorum - Università di Bologna, Italy  
**Curriculum:** International Cooperation and Sustainable Development Policies  
**PhD Thesis:** Unveiling Food Systems Impacts with Systemic Approaches: The Role of Life Cycle Thinking to Support Evidence-Based Policymaking
- **PhD Visiting Scientist** 03/22 - 03/24  
Joint Research Centre, European Commission - Ispra (VA), Italy  
Directorate D, Sustainable Resources; Unit D1, Bioeconomy  
**Support activities for an impact assessment for a legislative proposal for a framework for sustainable food systems (F2F Flagship initiative)**
- **Post-graduate Researcher** 06/21 - 10/21  
Alma Mater Studiorum -Università di Bologna, Italy  
**Data Collection and sustainability assessment of water reuse solutions under PRIMA project FIT4REUSE**
- **Erasmus Traineeship R&D Unit** 10/19 -02/21  
Ecofilae, Montpellier, France  
**Life Cycle Assessment and Cost Benefit Analysis of water reuse solutions**



## PROJECTS

- **FOODCoST - FOOD Costing and Internalisation of Externalities for System Transition** (2022 - 2026)  
Donor: European Commission, Horizon Europe| Support research group on the WP6 on the impact assessment of the sustainability of combined policy instruments, business models and strategies in internalising food system externalities by organising two workshops with involved stakeholders.
- **CARINA - CARinata and CamelINA to boost the sustainable diversification in EU farming systems** (2022 - 2026)  
Donor: European Commission, Horizon Europe| Support the research group on WP4 on the co-creation of policy interventions for feedstock provision and certification in the innovative bio-based value chains and WP3 on the sustainability assessment of the new systems.
- **WATERAGRI - Wateragri Water Retention And Nutrient Recycling In Soils And Streams For Improved Agricultural Production** (2019-2024)  
Donor: European Commission, Horizon 2020|Contribute to WP6 activities to evaluate the social, economic, and environmental impacts of the use of constructed wetlands for wastewater treatment from agricultural run-offs
- **4CEMED: Camelina: a Cash Cover Crop Enhancing water and soil conservation in MEDiterranean dry-farming systems** (2020 - 2023)  
Donor: European Commission, PRIMA| Contribution to WP4 activities for integrated sustainability assessment through life cycle thinking on innovative oilseed Mediterranean crops.
- **FIT4REUSE: Safe and sustainable solutions for the integrated use of non-conventional water resources in the Mediterranean agricultural sector** (2019 - 2022)  
Donor: European Commission, PRIMA| Contribution to WP7 activities on the holistic assessment of environmental, economic and social impacts of water reuse technologies and WP8 supporting the development of a multi-stakeholder platform for results exploitation

## VOLUNTEERING & OTHER ACTIVITIES

- **Member of Scientific Committee of G. Godianich Library (2023-Current)**  
Alma Mater Studiorum, Università di Bologna, Italy
- **PhD Student Representative in the Department Council (2022-Current)**  
Alma Mater Studiorum, Università di Bologna, Italy
- **Student Representative in the Department Council and Joint Committee (2017-2018)**  
Università degli Studi di Foggia, Italy
- **Voluntary Worker in Women Anti-violence Centre (2022-2024)**  
DonnaSiCura, Varese, Italy
- **Clown In Pediatrics (2021-2022)**  
F.A.N.E.P. Bologna, Italy  
Part of a team of clown volunteers in pediatrics; support to events and dissemination activities



## LIST OF PUBLICATIONS

### ● Articles:

- Guerrieri, V., Amadori, S., Declercq, R., García Herrero, L., Vittuari, M. **Combining Life Cycle Thinking with Policy Foresight: A Case on Future Water Resources**; Under submission;
- Guerrieri, V., Garcia-Herrero, L., Marsac, S., Monti, A., Vittuari, M., **Unveiling trade-offs in introducing Carbon Farming practices in the Mediterranean**; Under review on [Resources, Conservation and Recycling](#);
- Guerrieri V., Borchardt, S., Listorti, G., Marelli, L., Vittuari, M., **Time to transform? Sustainability narratives for European Food Systems**; Accepted with minor revisions on [Global Food Security Journal](#);
- García-Herrero, L., Lavrić, S., Guerrieri, V., Toscano, A., Milani, M., Cirelli, G.L., Vittuari, M., **Cost-benefit of green infrastructures for water management: A sustainability assessment of full-scale constructed wetlands in Northern and Southern Italy**, [Ecological Engineering](#), Volume 185, 2022, 106797, ISSN 0925-8574, <https://doi.org/10.1016/j.ecoleng.2022.106797>.
- Santeramo FG, Guerrieri V, Lamonaca E. **On the Evolution of Trade and Sanitary and Phytosanitary Standards: The Role of Trade Agreements**. [Agriculture](#). 2019; 9(1):2. <https://doi.org/10.3390/agriculture9010002>.

### ● Technical Reports, Project deliverables and Policy Briefs:

- European Commission, Joint Research Centre, Borchardt S., Barbero Vignola G., Listorti G., Fronza V., Guerrieri V., Acs S., Buscaglia D., Maroni M., Marelli L., **Cultivating sustainability: the role of European Food Systems in advancing the SDGs**, Publications Office of the European Union, Luxembourg, 2024, doi:10.2760/5043740, JRC137661.
- European Commission, Joint Research Centre, Barbero Vignola G., Listorti G., Borchardt S., Fronza V., Maroni M., Guerrieri V., Acs S., Buscaglia D., Marelli L., **Existing sustainability efforts and policies in the food systems in the EU and worldwide**, Publications Office of the European Union, Luxembourg, 2024, doi:10.2760/1278262, JRC137534.
- European Commission, Joint Research Centre, Sanye Mengual, E., Fiorese, G., Fronza, V., Guerrieri, V., Valenzano, A., Garcia Herrero, L., Casonato, C., Listorti, G. and Sala, S., **Towards sustainable food systems: an analysis of EU policy measures setting environmental sustainability requirements**, Publications Office of the European Union, Luxembourg, 2024, doi:10.2760/737475, JRC134433.
- Avellan T., Canet-Martí A., Canga E., Guerrieri V., Amadori S., Mittal A., Lavrić S., Hartl M., Nagabhatla N., **Understanding Multifunctionality of Constructed Wetlands in Agricultural Settings in the European Region**, 2024 Policy Brief-2024-01. Bruges: UNU-CRIS.
- Avellan, T; Dahal, B; Sándor, R; Chrabák, P; Gál, B; Guerrieri, V; Amadori, S; Vittuari, M; Nordström, J; Fialkiewicz, W; Burszta-Adamiak, E; 2023, **Sustainability Assessments**, H2020 WATERAGRI - Water Retention And Nutrient Recycling In Soils And Streams For Improved Agricultural Production.
- Guerrieri, V., Vicinanza, A., Prospero, S., Nozzoli, A., Amadori, S., Vittuari, M., Hermet, L., Marsac, S., Monti, A., **Report on LCA, E-LCC and S-LCA of current and 4CE-MED selected systems**, 2024, PRIMA 4CE-MED - Camelina: a Cash Cover Crop Enhancing water and soil conservation in MEDiterranean dry-farming systems.
- Guerrieri, V., Amadori, A., Vittuari, M., Toscano, A., Benedetti, V., Sole, M.C., **Future scenarios for unconventional water resources use in the Mediterranean area** 2022, PRIMA FIT4REUSE - Safe and sustainable solutions for the integrated use of non-conventional water resources in the Mediterranean agricultural sector.
- Declercq, R., Jabet, T., Guerrieri, V., Amadori, A., Vittuari, M., Toscano, A., **Non-conventional water resources: alternative scenarios description**, 2022, PRIMA FIT4REUSE - Safe and sustainable solutions for the integrated use of non-conventional water resources in the Mediterranean agricultural sector.

## ★ AWARDS

- **JRC Excellence Awards (21/06/23)**  
Best Team Collaboration For JRC Science Summit 2022.
- **JRC Excellence Awards (21/06/23)**  
Best Team Collaboration For the Scientific and Technical Support for the preparation of an Impact Assessment on the legislative framework for a Union Sustainable Food Systems (FSFS IA)



## CONFERENCES

- Conference, **LX Convegno SIDEA**, Dalla Strategia Farm to Fork all'approccio One Health (15/09/2024 – 17/09/2024); Capri, Italy| Oral Presentation: Time to transform? Exploring sustainability narratives for European Food Systems.
- Conference, **34th SETAC Europe Annual Meeting** (05/05/2024 – 09/05/2024); Seville, Spain| Poster presentation: Combining LCA and eLCC with a Foresight Exercise: Sustainability Assessment of Water Reuse Chains in the Mediterranean
- Event, **Water Reuse Day** – Sustainable Water Solutions for Agriculture in the Mediterranean, (23/11/2022 – 24/11/2022); Bologna, Italy| Oral presentation, Future scenarios for the implementation of water reuse: the foresight exercise.
- Panel, **Water Project Europe**: Challenges and eco-innovation actions addressing water scarcity and drought in Mediterranean countries (10/11/2022); Ecomondo, Rimini.



## SEMINARS AND ORGANISED EVENTS

- Organised Workshop: **“Exploring future pathways for a sustainable food system transformation”** co-organised with DG Joint Research Centre (European Commission), Bologna, 2nd October 2024.
- Seminar (2024) **“The role of systems thinking in food systems transformation”** in the Master Course of Business Administration and Sustainability, University of Bologna.
- Organised Workshop: **“The future of industrial food in 2050”**, as part of the ONFOODs project, Bologna, 18th June 2024.
- Organised Workshop; **“Exploring future scenarios for internalising the true cost of food systems”** as part of the event “Fair food systems: internalizing environmental and social costs in the price of food” of the HE FOODCoST project, Bologna, 13th June 2024.
- Presentation (2024) **“Valutare la sostenibilità per elaborare politiche basate sull'evidenza empirica: uno studio sul riuso dell'acqua”** at La giornata green del dottorato | Acqua, resilienza ed oltre, EU Green Week, University of Bologna.
- Seminar (2024) **“Policy Foresight: theory and practice”** in the Master Course in International Horticultural Science, University of Bologna.
- Workshop (2023) **“Building effective science-policy interfaces for sustainable food systems transition: the Life Cycle Thinking approach”** at “Research in support of ‘Shaping the Green Transition’ - Experience, activities and Ph.D. Studies at Unibo and JRC”, DG Joint Research Centre, European Commission.
- Webinar (2023) **“General overview and results of the sustainability assessments in WATERAGRI”** at PhD course “Agricultural Water and Nutrient management: assessing the usefulness and the sustainability of the solutions at University of Oulu, Finland.



## TRAININGS

- **Winter School, Agro-environmental System Economic Valuation, Modelling and Policies, 05/02/2024 – 09/02/2024**  
Alma Mater Studiorum, Università di Bologna
- **Multi-Scale Integrated Analysis of Societal and Ecosystem Metabolism (MuSIASEM) Methodology towards a “Governance in Complexity” of Sustainability, 28/06/2022 – 29/06/2022**  
Joint Research Centre, European Commission, Ispra Site
- **EIT Food RIS Inspire Programme Summer School in Circular Business Models, 22/11/2021 – 14/12/2021**  
Alma Mater Studiorum, Università di Bologna
- **Winter School, Sustainability Assessment of City-Region Food System (FoodE), 24/02/2021 – 26/02/2021**  
Alma Mater Studiorum, Università di Bologna
- **Summer School, Intro and Advanced Econometrics for Applied Economics in Agriculture, 16/07/2018 – 20/07/2018**  
Università degli Studi di Foggia

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Bologna, 26/11/24

*Valentina Geronzi*