



Elisa Lorenzetti

01 April 1993

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Agroecology, Participatory Action Research, Low-input Agriculture, Functional Agrobiodiversity, Farm Management, Sustainable Livestock Management, Permaculture (PDC in 2014), Project Management, Scientific Dissemination Events, Field Trials, Data Analysis and Reporting, Scientific Writing, Statistical Software Language (R)

Italian (mother tongue), English (IELTS C1), French (TFI B2)

EDUCATION

Oct 2018
Jan 2022

Sant'Anna School of Advanced Studies, Pisa, ITALY

Doctoral research on an original and individual project: study of the benefits of intra-specific biodiversity for lentil cultivation in Italy and exploration of the genetic potential of indigenous Italian lentil varieties, taking into account the priorities set forth by farmers. Main activities: field collection and characterization of the Italian genetic heritage of lentils, study of the effect of varietal mixtures (comprising both commercial varieties and landraces) on productivity, nutritional quality, and interaction with other plant species and the microbiota. Special attention to involving stakeholders through interviews, presentations, and workshops.

Oct 2016
Sept 2018

BOKU (Universität für Bodenkultur), Vienna, AUSTRIA

ISARA (Institut supérieur d'agriculture et d'agroalimentaire), Lyon, FRANCE

EUR-Organic: double degree master programme on European organic agricultural systems and agroecology

Oct 2013
Jul 2016

Università degli Studi di Milano, ITALY

Bachelor degree in "Agricultural Technology for the Environment", class: L-25, grade: 110 laude/ 110.

PROFESSIONAL AND TRAINING EXPERIENCES

Nov 2020
Present

LEGUMED, Sant'Anna School of Advanced Studies, Pisa, ITALY

Work Package 5 and 7 of the PRIMA project LEGUMED, for the valorisation of Mediterranean legume agrobiodiversity and enhancement of legume agroecosystem functions. Coordination, report writing, internal presentations, dissemination, organization of participatory workshops with stakeholders, and writing articles.

March 2024

Apr 2021 **ORGANIC PLUS, Coventry University, Coventry, UK (remote)**

May 2021

Organization and facilitation of 4 workshops on contentious inputs in Organic Agriculture, elaboration of the results -Horizon 2020 project Organic PLUS.

Jan 2018 **LEGVALUE, Sant'Anna School of Advanced Studies, Pisa, ITALY**

Jun 2021

Work Package 1, 2 and 6 of Horizon 2020 LEGVALUE project, aiming at a greater EU self-sufficiency in vegetable protein production. Coordination, report writing, internal presentations, dissemination, organization of participatory workshops with stakeholders, and writing articles.

Oct 2017 **Co-evolution of Agroecological practices for soil management, Lyon, FRANCE**

Dec 2017

Consultancy for actions 1 and 2 of a five-year regional project for the development of an "Economic and Environmental Interest Group" (GIEE) in the Pilat Regional Park (Auvergne-Rhône-Alpes, France). Action 1: systemic analysis and diagnosis of the 10 candidate farms. Action 2: identification of agroecological practices for local soil management through participatory action research and literature review.

Oct 2017 **First Agroecology Europe Forum, Lyon, FRANCE**

Organization and the management of the Forum, that gathered many different actors of the agroecological movement in Europe (NGO, farmers, scientists etc.).

Sept 2015 **Internship at the forestry private studio "Studio forestale Nicoloso", Legnano, ITALY**

Forest surveys in naturalistic and urban areas, GIS processing for forest management and planning, evaluation of hydraulic-forest adjustment works.

Mar 2013 **Internship at ACRA (NGO for rural cooperation), Dakar, SENEGAL**

May 2013

Participation to "micro-jardin" project (FAO) and urban agriculture projects, lectures, seminars, and workshops in the city and surrounding regions regarding agricultural practices, women's empowerment, development, and well-being of local communities, transparent water administration.

Jun 2011 **Internship at "Semilla del Sur", San Cristobal, Chiapas, MEXICO**

Jul 2011

Theoretical classes, interviews, investigations and field visits to study the agricultural history of indigenous communities, the relations with the government and social movements, possible conflict resolutions through community cohesion and 'ethnic awareness'.

CONFERENCES, CONVENTIONS, AND SEMINARS

- 28.09.2019** | **Agroecology Europe Forum, Crete, GREECE**
Presentation: Participatory design of lentils' cultivar mixtures, a PhD project within LEGVALUE H2020
- 7.09.2021** | **Organic World Congress, Rennes, FRANCE**
Workshop: How to increase the resilience of the agroecosystems with the use of seed diversity?
- 9.09.2021** | **Organic World Congress, Rennes, FRANCE**
Presentation: Participatory design of lentils' cultivar mixtures, a PhD project within LEGVALUE H2020
- 8.07.2021** | **BiodiversaMente (IWMPRICE H2020), Torre San Patrizio, ITALY**
Seminar: Mescole²: miscugli di lenticchia con miscugli di frumento? Prospettive e stato dell'arte.
- 10-11.06.2022** | **Let's Cultivate Diversity, Peccioli, ITALY**
Seminar: Leguminose: recupero varietà locali e costituzione di popolazioni di lenticchie, ceci e cicerchie.

PUBLICATIONS

- Lorenzetti, E., Carlesi, S., Michelsen, A. et al. (2024). Nitrogen uptake in lentil cultivar mixtures is not predictable from pure stands performance but is correlated with agronomic parameters and experimental conditions. *Agric & Food Secur* 13, 11. <https://doi.org/10.1186/s40066-023-00461-1>
- Lorenzetti, E., Leoni, F., Koskey, G., & Bàrberi, P. (2023). Increasing diversity gradient in lentil mixtures for intercropping with wheat reveals an increase in lentil biomass with minimal impact on mycorrhizal activity. *Rhizosphere*, 100824. <https://doi.org/10.1016/j.rhisph.2023.100824>
- Lorenzetti E, Carlesi S, Bàrberi P. (2022). Mixtures of Commercial Lentil Cultivars Show Inconsistent Results on Agronomic Parameters but Positive Effects on Yield Stability. *Agronomy*, 12(9), 2107. <https://doi.org/10.3390/agronomy12092107>
- Martinelli, F., Vollheyde, A. L., Cebrián-Piqueras, M. A., von Haaren, C., Lorenzetti, E., Barberi, P., ... & Yousefi, S. (2022). LEGU-MED: Developing biodiversity-based agriculture with legume cropping systems in the mediterranean basin. *Agronomy*, 12(1), 132. <https://doi.org/10.3390/agronomy12010132>
- Lorenzetti, E., Dell'Acqua, M., Carlesi, S., Bàrberi, P. (2023) Unlocking genetic diversity for low input systems in a changing climate: participatory characterization and genome-wide association study of lentil landraces. <https://doi.org/10.31220/agriRxiv.2023.00198> (in revision at Scientific Reports)

