

## PERSONAL INFORMATION

Name: LUCA NONINI  
Date and place of birth: 15/04/1989, Morbegno (SO), Italy  
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## I. EDUCATION AND TITLES

**10/2017 - current date:** PhD Student with full scholarship in the School “Agriculture, Environment, Bioenergy”, XXXIII cycle Doctoral Program 2017-2018 ([http://sites.unimi.it/dottorato\\_aab/](http://sites.unimi.it/dottorato_aab/)), Department of Agricultural and Environmental Sciences - Production, Landscape, Agro-energy (DiSAA, <http://eng.disaa.unimi.it/ecm/home>), University of Milan (Unimi), Via G. Celoria n°2, 20133, Milan (Italy). Research Topics: (1) modelling of wood biomass and carbon stock in forests, (2) evaluation of economic and environmental costs of wood biomass harvesting chains.

**09/2017:** Scholarship winner for the PhD School “Environmental Sciences” XXXIII cycle Doctoral Program 2017-2018 ([http://users2.unimi.it/environ\\_sci/index.php](http://users2.unimi.it/environ_sci/index.php)), Department of Biosciences (DBS, <http://eng.dbs.unimi.it/ecm/home>), UniMI.

**07/2017:** Full scholarship for the participation to the “Joint EPS-SIF International School on Energy 2017. Course 4: Advances in Basic Energy Issues”, held by European Physical Society (EPS) and Italian Physical Society (SIF). Varenna (Italy), 21-26 July, 2017.

**09/2016 - 08/2017:** Postgraduate Research Fellow (Type B fellowship) at the DiSAA, UniMI. Research Topics: (1) voluntary carbon markets for climate change mitigation.

**10/2015 - 08/2016:** Postgraduate Research Assistant (Borsa di Studio Giovani Promettenti) at the DiSAA, UniMI. European Project “Valorising European Research for Innovation in Agriculture and Forestry” (VALERIE; FP7-KBBE-2013-7; <http://www.valerie.eu/>). Activities (1) bibliographic research about mechanical field operations, (2) writing of scientific reports.

**11/2014 - 12/2015:** Postgraduate Master Course with full scholarship “Energy and bio-products from biomass - sustainable management of supply chains and production processes” (Energia e bio-prodotti da biomassa - gestione sostenibile delle filiere e dei processi produttivi - 7<sup>th</sup> edition) held by Institute of Agricultural Biology and Biotechnology of the Italian National Resource Council (IBBA - CNR, Via A. Corti n°12, 20133, Milan - Italy).

- Collaboration in the “RiBio Project - resources from bio-waste: an integrated model for virtuous communities” (Progetto RiBio - risorse da bio-rifiuti: un modello integrato per le comunità virtuose). Activities: (1) mass and energy balance of plants for Organic Fraction of Municipal Solid Waste (OFMSW) treatment.
- Internship at the headquarters of the Italian Federation of Energy Producers from Renewable Sources (Federazione Italiana Produttori di Energia da Fonti Rinnovabili, FIPER, [www.fiper.it](http://www.fiper.it)), Via Polveriera n°50, 23037, Tirano (Italy). Activities: (1) comparative economic analysis between district heating plants and thermoelectric plants.

**11/2012 - 03/2015:** Master’s Degree in Agricultural Sciences (full graduation grade with honor, 110/110 cum laude), Faculty of Agricultural and Food Sciences, UniMI, Via G. Celoria n°2, 20133, Milan (Italy).

Master’s Degree Thesis title: Studio di parametri meccanici di trattori agricoli e valutazione delle prestazioni ambientali delle lavorazioni del terreno mediante il Life Cycle Assessment.

**10/2009 - 11/2012:** Bachelor’s Degree in Agro-technologies for environment and landscape (full graduation grade with honor, 110/110 cum laude), Faculty of Agricultural and Food Sciences, UniMI.

Bachelor’s Degree Thesis title: La stima del contenuto in legno e corteccia nel cippato di pioppo mediante analisi dell’immagine: un primo approccio.

## II. TEACHING AND SUPERVISION ACTIVITIES

**01/2019 - 03/2019:** Teaching at the IFTS Training Course “Technician for agro-energy and farm technology for agriculture” (Tecnico delle agroenergie e delle tecnologie aziendali per l’agricoltura) held by Fondazione Maddalena di Canossa (FMDC, Via Santa Lucia n° 14,

24128, Bergamo - Italy). Lessons about: (1) hydroelectric plants, (2) solar and photovoltaic plants and (3) Life Cycle Assessment methodology.

**12/2017 - 07/2018**: Teaching assistant at the IFTS training Course “Techniques for monitoring and management landscape and environment - agro-energy and environmental sustainability” (Tecniche di monitoraggio e gestione del territorio e dell’ambiente - agro-energie e sostenibilità ambientale) held by FMDC. Activities: (1) exercises about biomass-to-energy processes, (2) supervision of the students’ Thesis activity.

**12/2015 - 12/2016**: Supervisor at the Postgraduate Master Course “Energy and bio-products from biomass - energy efficiency and environmental sustainability” (Energia e bio-prodotti da biomassa - efficienza energetica e sostenibilità ambientale - 8<sup>th</sup> edition) held by IBBA - CNR. Activities: (1) collaboration for coordination and planning of the Course activity and (2) supervision of the students’ Thesis activity.

### III. PARTICIPATION IN RESEARCH PROJECTS

**10/2017 - current date**: “BarPLUS: modifying canopy architecture and photosynthesis to maximize barley biomass and yield for different End-uses”. PRIN FACCE SURPLUS, Sustainable and Resilient Agriculture for Food and non-Food Systems, Research contract UniMI-DiSAA and University of Potsdam (Germany), 2016. “Eco physiological modelling and Life Cycle Assessment as part of BarPLUS”. Funding Institution: University of Potsdam (Germany).

**12/2017 - 12/2018**: “Valutazione di tecniche per la terminazione delle cover crop e il Contenimento delle Infestanti in agricoltura COnservativa” (CICO) Action A. Funding Institution: Department of Agricultural and Environmental Sciences. Production, Landscape, Agroenergy (DiSAA, UniMi). Research Support Plan 2015-2017. LINE 2: Annual budget for institutional activities year 2017.

### IV. PUBLICATIONS

#### Scientific Publications in Journals with Impact Factor (IF)

1. Zucali M., Bacenetti J., Tamburini A., **Nonini L.**, Sandrucci A., Bava L. (2018). Environmental impact assessment of different cropping systems of home-grown feed for milk production. *Journal of Cleaner Production*, Vol. 172 (20), pp. 3734-3746. DOI: [10.1016/j.jclepro.2017.07.048](https://doi.org/10.1016/j.jclepro.2017.07.048)

2. Bechini L., Koenderink N., Ten Berge H.F.M., Corre W., van Evert F.K., Facchi A., Gharsallah O., Gorris-Mifsud E., Grignani C., den Herder M., Hily Y., Justes E., Lepennetier A., Moretti B., Newell-Price P., **Nonini L.**, Oberti R., Ramonteu S., Rois M., de Ruijter F., Sacco D., Schuler P.M., Willems D., Zandstra A., Top J. (2017). Improving access to research outcomes for innovation in agriculture and forestry: the VALERIE project. *Italian Journal of Agronomy*, Vol. 12 (2), pp. 85-95. DOI: [10.4081/ija.2016.756](https://doi.org/10.4081/ija.2016.756)

#### Scientific Publications in Journals without Impact Factor (IF)

1. Fiala M., **Nonini L.** (2018). Biomass and Biofuels. In: Cifarelli L., Wagner F. (edited by). *Lecture Notes of the Joint EPS-SIF International School on Energy. Course 4 - Advances in Basic Energy Issues*. EPJ Web of Conferences, Vol. 189, 00006. pp: 55-90. First edition: October, 2018. Publisher: Édition Diffusion Presse Sciences (EDP Sciences), Springer Science+Business Media, Società Italiana di Fisica (SIF). DOI: [10.1051/epjconf/201818900006](https://doi.org/10.1051/epjconf/201818900006). ISBN:9788874381142.

#### Book chapters

1. **Nonini L.** (2015). Analisi energetico ambientale di un impianto di compostaggio e fondamenti di Life Cycle Assessment e carbon footprint (Capitolo 7). In: Davide Bianchini, Silvana Castelli (a cura di). *Linee guida per una nuova filiera del biorifiuto*. Struttura editoriale de “I quaderni del Master”. Santarcangelo di Romagna (RN): Maggioli Editore. pp. 303-381. ISBN: 978-88-916-1230-4.

#### Participation in Conferences, Workshops and Symposia

1. Fiala M., **Nonini L.**, Marveggio D. (2018). Sostenibilità ambientale delle operazioni meccaniche di campo. In: Bietresato M., Mazzetto F. (edited by). *La meccanica agraria oggi. Un confronto aperto su concetti idee e aspettative di una disciplina in continua evoluzione*. pp: 335-341. Free University of Bozen and NOI-Techpark (Italy). 23-24 November, 2017. First edition: July, 2018. © 2018 Cleup sc. “Coop. Libreria Editrice Università di Padova”. DOI: [https://doi.org/10.23737/MECCANICA\\_AGRARIA\\_OGGI.HTML](https://doi.org/10.23737/MECCANICA_AGRARIA_OGGI.HTML), ISBN: 978 88 6787 947

2. Fiala M., Marveggio D., **Nonini L.** (2018). Environmental assessment: preliminary results. BarPLUS project 3rd meeting. 8-9 March 2018. University of Lleida (Spain). Speech delivery.

3. Fiala M., **Nonini L.** (2017). Analisi della funzione ambientale degli ecosistemi forestali di Valle Camonica per la promozione di un mercato volontario locale di crediti di carbonio. In: *Foreste della Valle Camonica: Energia e decarbonizzazione del territorio*. Edolo (Italy), 13 July, 2017. Speech delivery

4. **Nonini L.**, Fiala M. (2017). Carbon storage assessment in Valle Camonica forest ecosystems: the first step to promote a local voluntary carbon market for climate change mitigation. In: 11<sup>th</sup> International AIIA Conference “Biosystems Engineering addressing the human

challenges of the 21<sup>st</sup> century”. University of Bari Aldo Moro (Italy), 5-8 July, 2017. pp. 527-530. ISBN: 978-88-6629-020-9. [Conference proceeding](#).

5. Castelli S., **Nonini L.**, Bianchini D., Segato S., Mazzon A., Mapelli S. (2016). Organic fraction of the municipal solid waste as a low-carbon energy source and for biorefinery application by innovative use of duckweed in wastewater phytoremediation. In: Energy Systems Conference: 21<sup>st</sup> Century Challenges. Westminster, London (UK), 14-15 June, 2016. [Poster presentation](#).

[Manuscripts in preparation](#)

1. **Nonini L.**, Fiala M. Estimation of the carbon storage of forest biomass for voluntary carbon markets: preliminary results

## V. PERSONAL SKILLS

Mother tongue	Italian				
Other languages	English				
	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
	B1	B2	C1	C1	B1

CAMBRIDGE ENGLISH Language Assessment, Level 1 Certificate ESOL International (First Certificate in English, FCE).

CEFR Level: B2. Grade C. Date of examination: 10 March, 2017

Levels: A1/A2: Base user - B1/B2: intermediate user - C1/C2: advanced user

[Common European Framework of Reference for Languages](#)

### Organizational/managerial skills

(1) Coordination and management skills, acquired during both the Postgraduate Master Course “Energy and bio-products from biomass - sustainable management of supply chains and production processes” (Energia e bio-prodotti da biomassa - gestione sostenibile delle filiere e dei processi produttivi - 7<sup>th</sup> edition), and the Research activities at the DiSAA, UniMI.

### Job-related skills

- (1) Excellent knowledge of the main Databases for scientific papers research.
- (2) Good knowledge of the Microsoft Office package (word, excel, access, power-point, publisher).
- (3) Good knowledge of the AutoCAD software.
- (4) Basic knowledge of software for landscape planning (Geographic Information System, G.I.S.).
- (5) Basic knowledge of the Carbon Budget Model of the Canadian Forest Sector (CBM-CF53).
- (6) Basic knowledge of software for environmental impact assessment (SimaPro).

Driving Licence: A,B

## VI. COURSES

(1) “CARSEQ”: Carbon Sequestration in Forest Ecosystem Summer School, held by SwissForestLab and NFZ.forestnet. Davos (Switzerland), 19-24 August, 2018.

(2) CBM-CF53 technical training workshop, held by Joint Research Center (JRC) of the European Commission and the carbon accounting team of the Canadian Forest Service. Ispra (Italy), 18-20 June, 2018.

(3) Joint EPS-SIF International School on Energy 2017. Course 4: Advances in Basic Energy Issues, with full scholarship, held by European Physical Society (EPS) and Italian Physical Society (SIF). Varenna (Italy), 21-26 July, 2017.

(4) 2<sup>nd</sup> LCA basic course 2015 held by Italian LCA Network Association. Bologna (Italy), 21-23 September, 2015.

**Personal data**

In compliance with the Italian Legislative Decree n° 196 dated 30/06/2003, I hereby authorize the recipient of this document to use and process my personal details for the purpose of recruiting and selecting staff and I confirm to be informed of my rights in accordance to art. 7 of the above mentioned decree". I declare that what is stated in this Curriculum Vitae corresponds to truth under D.P.R. n° 445/2000.

Place and date: Milan (Italy), 17 April, 2019

Signature

