

# University Academic Curriculum Vitae

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**Personal information**    Davide Don

**Education since leaving school**

- 2017, Bachelor of Environmental Engineering (University of Padova);
- 2019, Master of Environmental Engineering (University of Padova),
- 2023, First Level Master in Strategic Environmental Management (University of Padova)

**Present appointment**

- Scientific Researcher at Fraunhofer Italia Research
- 2021
- Senior researcher
- Fraunhofer Italia Research
- As part of the Bioeconomy and Sustainability Team (BES) at Fraunhofer Italy, I am managing both EU funded research projects and R&D projects in direct collaboration with the industry with a focus on the different aspects of industrial sustainability and circular economy, effectively supporting businesses to be "fit for future" and to face the digital and sustainable transition

**Professional experience**                      Chronological list of all previous employments (each with job title, starting and finishing dates, level, employer, responsibilities)

From / to	Job title	Name of academic Institution	Academic level	responsibilities
Oct 2024 – Jan 2025	Contract lecturer for the "Technologies and Production Processes for Energy Engineering" course	Free University of Bolzano – Bozen	Contract Lecturer	I taught the fundamentals of Life Cycle Assessment (LCA) through a combination of lectures and hands-on exercises, focusing on real-world applications. My goal was to equip master's students with practical skills to assess the environmental impact of industrial products and processes.
Sep 2019 – Feb 2021	Impact Analysis and Knowledge Bank Lead (Freelance)	Root	Junior researcher	My role at Root focused on the assessment of the sustainability performance of clients, their competitors and stakeholders, in order to determine the strengths and areas of improvement of the client and

				helping the team to define a tailored sustainability strategy
Oct 2020 – Feb 2021	Technical Sales Internship	SMA Green & Smart Solutions S.r.l	Intern	The focus of my position was to bridge the needs and assist the sales team and the engineering team in the development of Air Quality Monitoring projects for private and public clients.
Nov 2019 - Jul 2020	Environmental Engineering Internship	Golder Associates S.r.l		My main task in this experience was to assist the team/client with the management of remediation projects of contaminated service stations.

## Research and scholarships

Date granted	Award Holder(s)	Funding Body	Title	Amount received
01/04/2023	Fraunhofer Italia Research (Davide Don Project Manager)	European Union	EE4M – Engineering Excellence for the Mobility Value Chain	150K
28/07/2024	Fraunhofer Italia Research (Davide Don Project Manager)	European Union	SiToLub – Simulation Tool for the Development of Safe and Sustainable by Design Lubricants	367K

## Publications

### SUSTAINABLE MANUFACTURING THROUGH APPLICATION OF RECONFIGURABLE AND INTELLIGENT SYSTEMS IN PRODUCTION PROCESSES: A SYSTEM PERSPECTIVE

*Sci Rep* 13, 22374, 2023. <https://doi.org/10.1038/s41598-023-49727-5>

M Todescato, O Braholli, D Chaltsev, I Di Blasio, D Don, G Egger, J Emig, G Pasetti Monizza, P Sacco, D Siegele, D Steiner, M Terzer, M Riedl, A Giusti, and D Matt

### DIGITAL TOOL TO FOSTER CIRCULAR ECONOMY AND SUSTAINABLY CLOSE BROKEN VALUE CHAINS

*Operational and assessment tools for the management of materials and energy in a circular economy* – Ecomondo 2022 Conference, Rimini, Italy November 8<sup>th</sup> – 11<sup>th</sup>, 2022

P Sacco, M Dermastia, J Goriup, D Don, and M Keller

### FOSTERING RESEARCH AND ECOLOGICAL SOLUTIONS FOR GREEN TRANSITION – FOREST PROJECT

*New frontiers for forestry chains: policies and governance to give value to a strategic resource for the Country* – Ecomondo 2022 Conference, Rimini, Italy November 8<sup>th</sup> – 11<sup>th</sup>, 2022

F Morandi, P Sacco, D Don, D Matt, and A Gasparella

SUSTAINABILITY PERFORMANCE OF MOUNTAIN FOOD  
VALUE CHAINS

*BIOSYSTEMS ENGINEERING TOWARDS THE GREEN DEAL* -  
Improving the resilience of agriculture, forestry and food systems in  
the post-Covid era. Allia Conference Palermo, Italy September 19th –  
22nd, 2022

P Sacco, D Don, L Becce, G Carabin, A Mandler and F Mazzetto

AVAILABLE TOOLS AND METHODOLOGIES FOR THE  
SUSTAINABILITY ASSESSMENT IN PRODUCTION

*Il contributo ed il potenziale della Simbiosi Industriale per la  
transizione ecologica* – Symbiosis Users Network – Ecomondo  
Symposium, October 26th – 29th, 2021

D. Don, P. Sacco, E. Rangoni Gargano, A. Cornella

**Further data**

- Keynote on Sustainable Product Design in the Automotive industry at the International Week - Blended Intensive Programme (BIP) at the DFaculty of Engineering, 20/03/2025
- LCA intensive training course hosted by the Chamber of Commerce in Bozen, 07-08/02/2024 and 16-17/10/2024
- Host of the dissemination event on Corporate Sustainability Reporting Directive at NOI Techpark Bozen, 13/06/2024
- Keynote on Product Carbon Footprint at the International Week - Blended Intensive Programme (BIP) at NOI Techpark Bruneck, 15/06/2024
- Poster presentation at Ecomondo 2022, 09/11/2022

**Statement of interest**

- Oral presentation related on smart and sustainable production planning at Ecomondo 2021, 10/11/2021

**Language  
competence**

As an industrial sustainability researcher, I focus on understanding and developing practical solutions to improve sustainability across industrial operations, with a particular emphasis on sustainable product design and production. A key aspect of this work is the assessment of lifecycle environmental impacts—such as carbon emissions—associated with products and processes. This analysis is essential to uncover opportunities for improvement and to define effective strategies for impact reduction. Crucially, it involves identifying where the leverage for action lies: whether within the company itself or through engagement with its broader network of stakeholders.

Italian - Mother language

English - C1 level acquired after my Master of Engineering held in English

Portuguese - B2 level reached after living 7 months (Oct 2018 – Apr 2019) in Lisbon.

Spanish - B1 studied at school for three years

Date

21/05/2025