



# Jacopo Barbieri

## Sustainability specialist



5 September 1986



+39 3297291136



[www.linkedin.com/in/barbierij](http://www.linkedin.com/in/barbierij)



[jaco.barbieri@gmail.com](mailto:jaco.barbieri@gmail.com)

## About me

I am a passionate manager, researcher and practitioner, with expertise on energy, environment conservation and sustainability. I like experiencing new challenges and trying to overcome my limits to explore unknown territories. I feel at home in multicultural and multidisciplinary environments. I travelled extensively, mainly in Africa, and I lived almost one year in Tanzania. I often work as a volunteer in agriculture and nature conservation. I love to spend my free time outdoors: running, hiking, cycling, climbing, or simply enjoying the beauty of nature.

## Skills

Analytical thinking

Teamwork and Team Leadership

Management and coordination

Field work

Data analysis

Flexibility\*4 ICT literacy\*5  
Multidisciplinary approach\*5

(\*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

## Interests

Sustainable energy, environment and climate change, with a focus on Global South.

## Experience

- 2012-Today Researcher and Manager Politecnico di Milano  
Energy assessment and planning; Energy access; Off-grid power systems; Improved Cooking Solutions; Impact and sustainability.
- 2017-2017 Energy Advisor Istituto Oikos  
Advisor for the energy program of Istituto Oikos (Italian NGO).
- 2016-2017 Program manager Istituto Oikos  
Provision of PV systems to schools in north Tanzania; Capacity building of local technicians.
- 2015-Today Teaching assistant Politecnico di Milano  
Course *Engineering and cooperation for development*.
- 2011-2012 Process engineer Techint  
Data analysis and HVAC systems design.

## Education

- 2015-Today Ph.D. candidate Politecnico di Milano  
Sustainable energy planning in humanitarian settlements
- 2006-2011 M.Sc. and B.Sc. Politecnico di Milano  
Energy engineering
- 2000-2005 High school Liceo Classico E. Cairoli  
Classics

## Languages

- Italian Mother tongue
- English Full professional proficiency
- French Limited proficiency
- Spanish Limited proficiency

## Projects

- 2016-2018 SET4Food Phase 2  
Sustainable Energy Technologies for Food Security in humanitarian contexts project. Objective: Enhancing the response capacity of humanitarian actors in identifying and implementing efficient and sustainable energy technologies related to food security.
- 2016-2017 Solar Utility for Off-Grid Electricity Services Tanzania  
The project aimed at the set up and formal registration of a social enterprise for the provision of reliable electricity services to schools and other public services in Arusha region
- 2014-2015 SET4Food Phase 1 Lebanon, Haiti, CAR, Somalia  
Sustainable Energy Sustainable Energy Technologies for Food utilization in refugee camps and informal settlements project. Objective: Enhancing the response capacity of humanitarian actors in identifying and implementing efficient and sustainable energy technologies related to food security.
- 2013-2017 Edulink ENERGISE Kenya, Ethiopia, Tanzania  
Enlarged Network in Education and Research for a Growing Impact of Sustainable Energy engineering on local development

## Awards

- 2017 Publons Peer Review Award - Sentinels of science and research



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## Computer skills

OS	Windows; Linux
Office	Microsoft Office; Openoffice; $\text{\LaTeX}$ ; Lyx
CAD	Solid Edge (basics); Autocad (basics)
Other	HOMER energy; RETSCREEN (basics); Ansys Fluent (basics); STATA (basics); Photoshop; Gimp

## Publications

2018 Barbieri J, Leonforte F, Colombo E, *Towards an holistic approach to energy access in humanitarian settings: the SET4food project from technology transfer to knowledge sharing*. Journal of International Humanitarian Action

2018 Colombo E, Romeo F, Mattarolo L, Barbieri J, Morazzo M *An impact evaluation framework based on sustainable livelihoods for energy development projects an application to Ethiopia*. Energy Research & Social Science

2017 Barbieri J, Riva F, Colombo E *Cooking in refugee camps and informal settlements: A review of available technologies and impacts on the socio-economic and environmental perspective*. Sustain Energy Technol Assessments

2017 Lombardi F, Riva F, Bonamini G, Barbieri J *Laboratory protocols for testing of Improved Cooking Stoves (ICSSs): A review of state-of-the-art and further developments*. Biomass and Bioenergy

2016 Aste N, Barbieri J, et al. *Innovative energy solutions for improving food preservation in humanitarian contexts: A case study from informal refugees settlements in Lebanon*. Sustain Energy Technol Assessments

2016 Mandelli S., Barbieri J., Mereu R., Colombo E., *Off-grid systems for rural electrification in developing countries: definitions, classification and a comprehensive literature review*. Renewable and Sustainable Energy Reviews

2015 Barbieri J, Colombo E (Eds.), *SET4Food guidelines on sustainable energy technologies for food utilization in humanitarian contexts and informal settlements*. Department of energy, Politecnico di Milano

2014 Mandelli S, Barbieri J, Mattarolo L, Colombo E, *Sustainable energy in Africa: a comprehensive data and policies review*. Renewable and Sustainable Energy Reviews

2014 Barbieri J, Simonet E, *Technologies for power generation in rural contexts*, in Colombo E, Bologna S, Masera D (Eds.), *Renewable Energy for Unleashing Sustainable Development*. Springer International