

VICTOR NYABUTI ONG'ERA

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EDUCATION

PhD. Sustainable Development and Climate Change

Istituto Universitario di Studi Superiori, Pavia

Pavia, Italy

2023 - 2026

- Crop Simulation Models (CSMs)
- Seasonal Climate Forecasts (SCFs)
- Climate-Resilient Farming Systems
- Convection-Permitting Models (CPMs)

Msc. Environmental Change and Global Change

University of Milan | 110/110 Cum Laude

Milan, Italy

2021-2023

- Relevant Coursework: Biodiversity, Environmental Economics and Policy, Life cycle assessment, Ecosystem services, Climate change adaptation, Geo-resource management, Bioresources.
- Awards: Thesis Abroad scholarship, Excellence scholarship, Student Partnership funding, MAECI scholarships

Bachelor of Science, Environmental Engineering

University of Public Service | GPA: 4.85/5

Budapest, Hungary

2016-2021

- Relevant Coursework: Statistics and Quantitative methods, Biodiversity, Environmental Economics and Policy.
- Awards: Researchers night award, Stipendium Hungaricum Scholarship.

WORK EXPERIENCE

Visiting Researcher Foulum, Denmark, **Department of Agroecology, Aarhus University** June 2025–
December 2025

- Conducted field campaigns collecting agronomic and remote sensing data (LAI, chlorophyll, biomass, soil sampling).
- Collaborated on integrating phenological datasets with crop models for wheat growth and disease monitoring. - Contributed to modelling of wheat diseases (yellow rust, powdery mildew, Septoria)
- Attended the PANGEOS COST ActionHackathon (WG1 & WG2) on Improving Crop Growth Models by the Inclusion of Remote Sensing, Aarhus University, 28–29 August 2025
- Successfully calibrated DSSAT for rice production in the Dominican Republic using ERA5 climate data and local agronomic inputs.
- Ran DSSAT crop model simulations for potato yield under climate scenarios in Ethiopia, identifying key sensitivities at tuber initiation and bulking stages.

Intern Milan, Italy CASSANDRA Lab, University of Milan research group *March 2023– October 2023*

Analyzed the impact of climate change on wheat in different countries and defined adaptation strategies based on data-driven insights, climate modeling, and sensitivity analysis techniques.

- Selected and retrieved historical weather and future climate data using R.
- Used a stochastic weather generator for downscaling future climate projections.

- Proposed adaptive strategies to mitigate climate change impacts.

Data Analyst

Budapest, Hungary

Pallon *March 2020 – November 2022* Provided data-driven insights for business decision-making, developed visualization dashboards, and enhanced data literacy within the organization.

- Collected, analyzed, and wrangled data from various sources.
- Presented findings to non-technical stakeholders in an accessible manner.
- Developed and maintained data documentation and quality assurance processes.

Intern

Budapest, Hungary

General Directorate of Water Management (OVF)

05-09/2021 July - December 2019

Supported the optimization of projects through suitability analysis and design interpretation.

- Conducted project suitability analysis.
- Participated in site reconnaissance and preparation.
- Interpreted CAD design for project optimization.

VOLUNTEERING

EU projects and relations lead

Remote Easysustainability

09/2022-current

Led the data analysis efforts, reporting, and sustainability initiatives of the organization.

- Headed a team of 16
- Applied for KA1 and KA2 projects, two projects just won funding.
- Established partnerships with more than 8 Youth organizations

Member of the Science working group

Remote

YOUNGO

02/2023- present

- Contributed to the climate crash course resource
- Contributed to the position paper SB60
- Attended and represented YOUNGO during the SB60.Following loss and damage
- As a member of the Decision-making process task force made new suggestions that have now been implemented and are in force since August 20, 2024

Skills

- **Software:** AutoCAD, AutoCAD Civil 3D, EPANET, STICS, APSIM, DSSAT
- **Programming languages:** R, Python, CDO Tools and Bash
- **Languages:** Mothertongues; Kiswahili and English, A2 proficiency in Italian and Hungarian.