

Edeme Darlain

I am an engineer, researcher and consultant focused on energy planning, analysis and policy advisory.

☎ (33) 767517743 @ darlainedeme@gmail.org 🌐 Interactive Portfolio: <https://tiny.one/darlain-portfolio> 📍 Paris, France

WORK EXPERIENCE

Africa Energy Analyst || World Energy Outlook Team

OECD - International Energy Agency

📅 02/2022 - Ongoing 📍 Paris, France

Research, analysis and policy advisory activities for national and regional-level energy planning and power systems capacity expansion.

Research Fellow || Energy Planning & Energy Communities

Polytechnic University of Milan 📅 01/2021 - 02/2022 📍 Milan, Italy

Program Manager || Country Energy Programme

COSV (International NGO) 📅 01/2019 - 01/2021 📍 Mozambique

Junior Consultant || Energy Access

COSV (International NGO) 📅 03/2018 - 07/2018 📍 Mozambique

Trainee || Corporate Engineering and Sustainability

Autogrill S.p.A. 📅 08/2017 - 03/2018 📍 Milan, Italy

PUBLICATIONS AND PATENTS

[PATENTS]

Procedure for territorial subdivision into Potential Energy Communities with respect to Primary Substations

[PUBLICATIONS]

IEA World Energy Outlook 2022

🌐 <https://www.iea.org/reports/world-energy-outlook-2022>

IEA Africa Energy Outlook 2022

🌐 <https://www.iea.org/reports/africa-energy-outlook-2022>

[PAPERS]

Holistic geospatial data-based procedure for electric network design and least-cost energy strategy

🌐 <https://doi.org/10.1016/j.esd.2020.06.008>

GIS approach for modeling the electricity grid of small islands using open-source data in Isola del Giglio

🌐 <https://ieeexplore.ieee.org/document/9842922>

Energy access planning in sub-Saharan Africa: a new GIS-based approach

🌐 Under approval

Novel multi-phase hybrid approach to green- and brown-fiel electrification analysis

🌐 Under approval

EDUCATION

Ph.D. || Electrical Engineering

Polytechnic University of Milan

📅 2021 - 2024

Postgraduate M.Sc. || ICT for Development

University of Turin

📅 2020 - 2021

B.Phil. || Philosophy (paused)

University of Milan

📅 2019 - 2020

M.Sc || Energy Eng. for Development

Polytechnic University of Milan

📅 2016 - 2019

B.Sc. || Energy Engineering

Polytechnic University of Milan

📅 2012 - 2015

OTHERS

Certified and Licensed Engineer

Milan Order of Engineers

Top10 Young Talents in Italy || Energy

Nova - The Global Top Talent Network

Delegate || Model United Nations

High-Level Political Forum for Development

📍 NYC, USA

LANGUAGES

Italian || French Native Level

English || Portuguese Fluent

Spanish Intermediate

SKILLS

Programming

- Python, R, Excel VBA, Matlab, C, Java, GAMS, SQL

Other Software

- Microsoft Power BI, Microsoft Project, QGIS, Tableau, PostGIS, Stata, EViews, KoBoToolbox