

Léonce Ndikumana, member of the Sustainable Electricity-access Network for Africa (SEN-Africa)

The Sustainable Electricity-access Network for Africa (SEN-Africa) is a team of researchers from the University of Massachusetts Amherst, University of Ghana Legon, University of Nairobi and University of Cape Town, who are exploring practical mechanisms for fostering universal sustainable access to electricity in African countries. The team adopts a participatory and evidence-based approach that brings equity to the forefront, incorporating it, and other criteria, into modeling access to electricity in a way that reflects community preferences.

The objectives of the team's research project are to: provide modeling and decision frameworks to support sustainable electricity access across Sub-Saharan Africa; develop a network of interdisciplinary researchers across multiple institutions in and outside of Africa; develop research directions grounded in the multiple stakeholder groups affected by electricity access decisions.



Stakeholder Workshops in Ghana, August 13 and 15, 2019

The Sustainable Electricity-access Network for Africa (SEN-Africa) organized two workshops in Ghana aimed at generating input from various stakeholders (government, utility companies, consumers) on the current state of access to electricity in Ghana, the constraints and opportunities that need to be taken into account in designing strategies to reach universal access to energy to meet economic and social development needs in the country.

The first workshop was held in Accra, the capital city of Ghana, on August 13, 2019.

Detailed information is provided here:

<https://www.ug.edu.gh/news/university-ghana-hosts-world-universities-network-sen-africa-electricity-access-workshops>

<https://destenienock5.wixsite.com/destenienock/post/sen-africa-team-finalizes-workshop-preparations>

<https://destenienock5.wixsite.com/destenienock/post/electricity-access-discussions-and-stakeholder-workshops>



The second workshop was held in [Tamale](#), the capital city of the Northern Region of Ghana, on August 15, 2019.

Detailed information is available here:

<https://destenienock5.wixsite.com/destenienock/post/an-extension-of-voices-2nd-sen-africa-workshop-hosted-in-northern-ghana>



Following the workshop in Tamale, the team visited the [Navrongo Solar Farm](#).





To wrap up the visit in Northan Ghana, the team explored the rich ecosystem of the region, including the [Zenga Crocodile Pond](#).





The project is funded by a seed grant from [World University Network](#), of which the partner universities are members. The members of the team are:

- [University of Massachusetts:](#)
 - Dr. Erin Baker –Renewable Energy and Grid Integration, Decision Analysis, Energy Policy;
 - Dr. Leonce Ndikumana – Development policy in Africa; foreign aid and development; governance; capital flight and debt
 - Franklyn Kanyako – (PhD student) – Energy Technology Policy and Decision Frameworks
- [Carnegie Mellon:](#)
 - Dr. Destenie Nock - Electricity Modeling, Renewable Energy and Grid Integration, Decision Analysis
 - Charles Van-Hein Sackey – Electricity Decision Analysis, Chemical Engineering
- [University of Ghana:](#)
 - Dr. David Dadoo-Arhin – Renewable Energy and Storage, Energy Materials
 - Dr. Anthony Afful-Dadzie – Energy Economics and Optimization, Decision Analysis
 - Dr. Asampana Samuel Atarah – Head of Physics - Electricity Networks and Smart Grids
- [University of Cape Town:](#)
 - Dr. Edwin Muchapondwa – Energy and Climate Change, Natural Resource Management
 - Isaac Nunoo (PhD student)- Economics

- [Argonne National Laboratory:](#)
 - Dr. Todd Levin – Power Systems Modeling and Electrification Planning