

**100% Renewable & Local Solutions: Africa, Europe and South Asia. Organized by:
INFORSE, AIWC, Suswatch Kenya and Nordic Folkecenter for Renewable Energy**



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for Renewable En
www.folkecenter.net



The Role of Education in Climate Mitigation Actions

Daniele Pagani
Nordic Folkecenter for Renewable Energy



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Nordic Folkecenter for Renewable Energy

- NGO founded in 1983
- Focus: Renewable Energy
- Bridge between education and industry
- Well known at international level
- Multi-cultural and multi-disciplinary environment
- Has hosted hundreds of interns, professors, researchers from different fields and from all over the world
- 4000-6000 Visitors/year





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Activities



Past:

Technological innovation of:

- Farm biogas digesters from 50 to 1 000 m³;
- Integrated energy systems including hydrogen and biofuels for transport;
- Excess power management (P2X);



Present:

- Collaboration with green SMEs;
- Testing of wind, solar, wave & other green technologies;
- Projects (national & international);
- Event organisation, study tours & publications;
- Education;



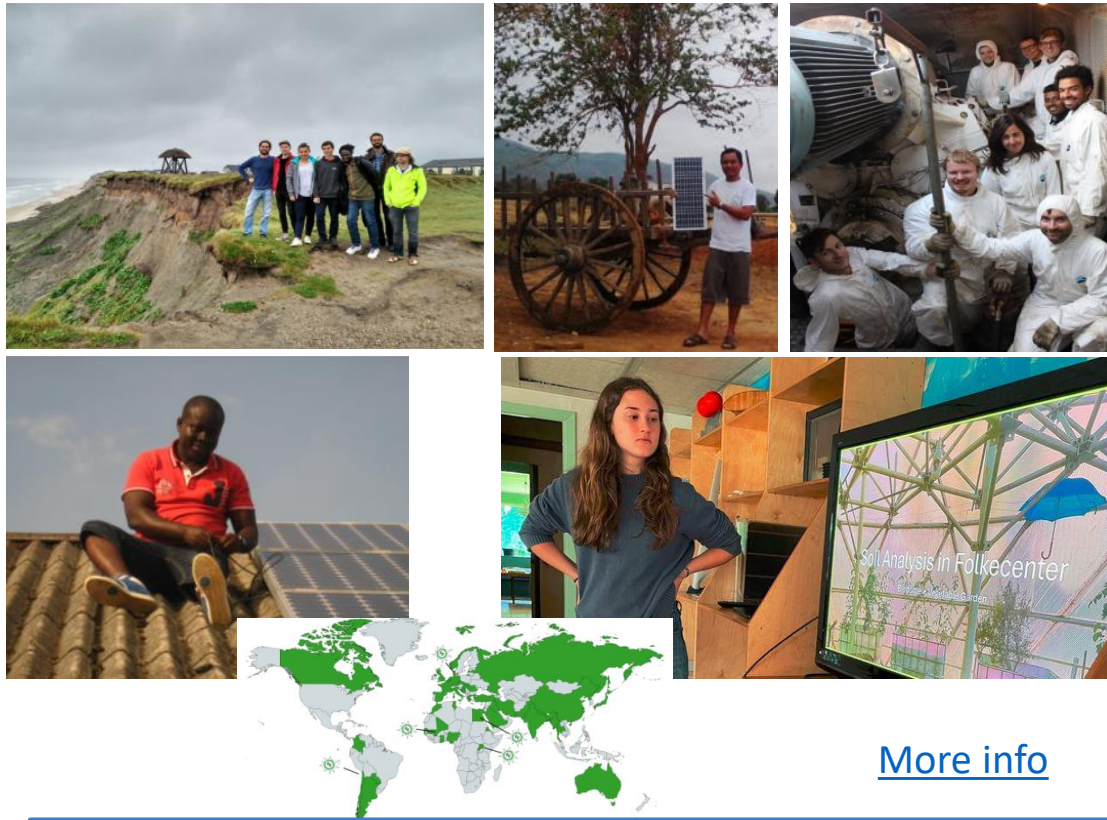


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Long-Term Involvement



Trainee Program: Changing the World Trainee by Trainee

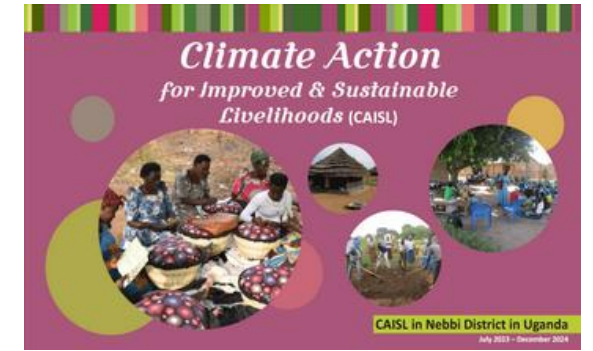


[More info](#)

Collaboration with Developing Countries



[EASE-CA](#)



[CAISL](#)



[SDCA](#)



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African Folkecenters



JEEP Folkecenter Uganda

- Founded in 1983 after deforestation and soil erosion were identified as major threats to the health and welfare of Ugandans;
- Carries out **training/skilling, advocacy and awareness seminars** on environmental conservation, energy-saving technologies and small scale sustainable business ideas;
- Reaches out primarily to rural communities;
- Builds energy saving stoves and installs solar energy systems;

<https://jeepfolkecenter.org/>



Mali Folkecenter Nyetaa

- Founded in 1999 with focus on sustainable resource management, poverty alleviation, renewable energy and inclusion of young people and women;
- Provides **training and capacity building tools in the areas of renewable energies, sustainable agriculture, climate change and green entrepreneurship**;
- Disseminates, raises awareness, mobilize & influence policies on RE & environment

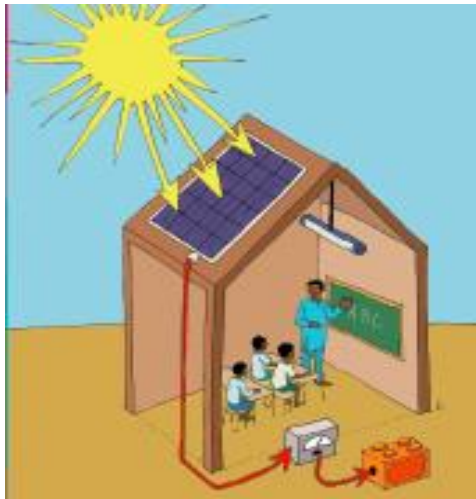
<https://www.malifolkecenter.org/>





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Light over Africa



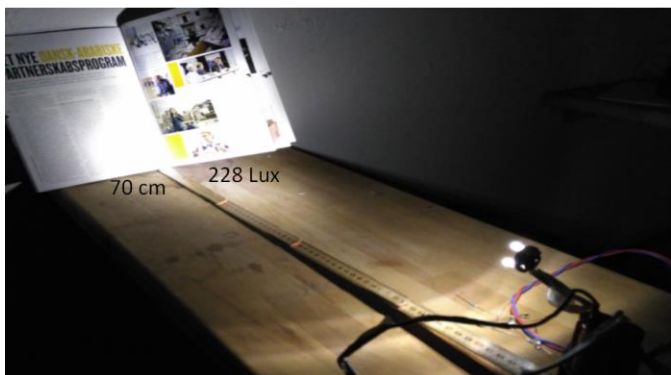
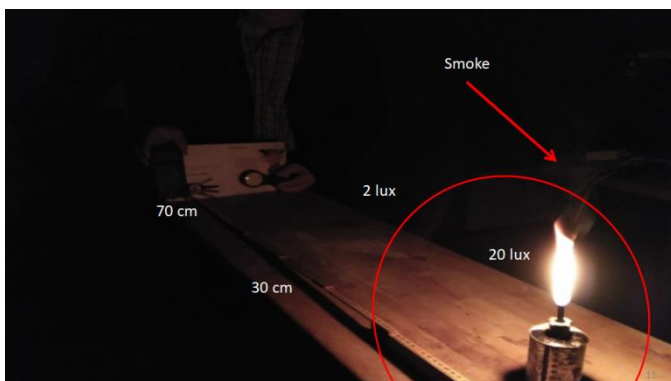
Drawings by Anna Krenz





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More Energy!



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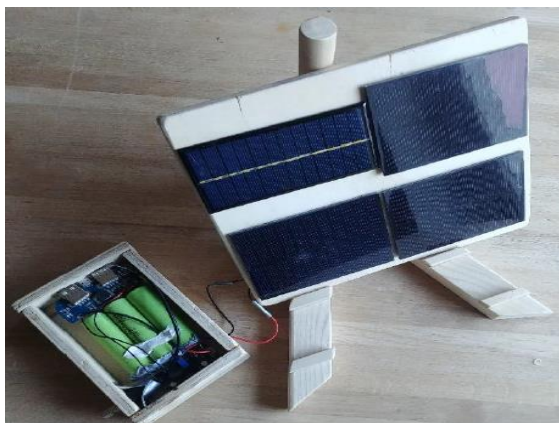


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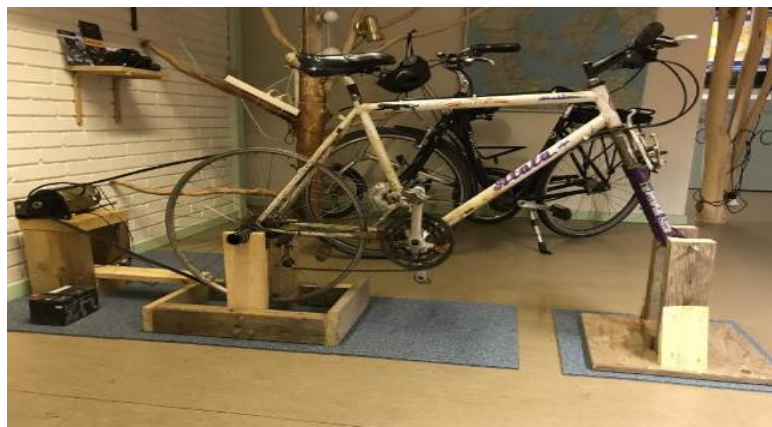


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Trainees & Train-the-Trainer



DIY Solar Power-bank



Static bike for charging power banks



DIY wooden wind turbine



3D-printed wind turbine



[Tonny Lumu Junior, Uganda, August 2021](#)



[Misagga Benedict Clive Zeus, Uganda, August 2023](#)



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Impact of Train-the-Trainer



Name: Atego Seed Secondary School; **Sub-county:** Kucwiny ; **District:** Nebbi; **Installed:** October 2023

"During this installation, we trained **one TOT*** in the installation of the whole system"

"The cost of the LEDs procured locally are quite expensive making the technology expensive as well but the solution is to order LED packs of 1000 from China which is very affordable and will make the technology much more cheap"

"The resistors heat up and fail after a certain period of time" [...]

"This is the configuration we adopted which provides more light, the resistors an LED don't heat up"

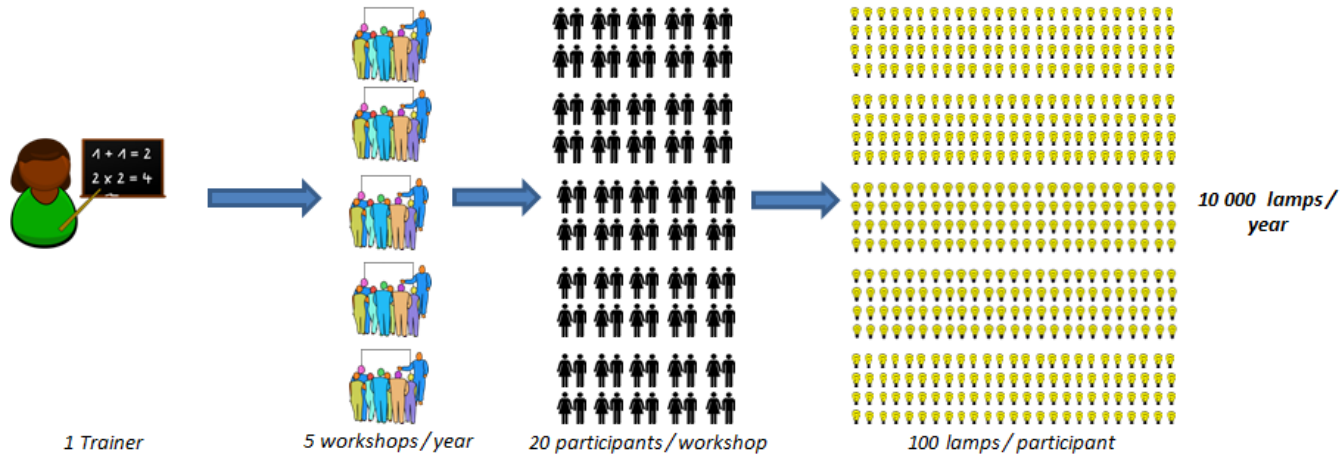


*Trainer of trainers



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Impact & How to Speed Up



LED: MORE LIGHT TO THE WORLD!

An introductory course on LED technology, from design to implementation



SUN GENERATOR: INSTRUCTOR

A complete course to form future Sun Generator instructors

<https://www.folkecenterevents.net>



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Projects & Collaboration



Operating techniques in Renewable Energy under Arctic conditions,
Ingerlatsinermut issittumi piujuaannartumik nukissiuteqarnermut
teknikeri

Project partners:

Nordic Folkecenter for Renewable Energy, Denmark (project leader)
Nukissiorfiit, Greenland's Energy Company, Greenland
Greenland's Technical School KTI
Svalbard Folkehøyskole, Norway
Herningsholm Profession School, Denmark

Project countries:

Greenland, Norway (Svalbard)

Type of project:

Education

Funding:

Nordplus Voksen 2021

Duration

30 months

> Read more



<https://www.folkecenter.net/projects/>

We are looking for serious partners interested in project applications & collaborations!

Thanks for your attention!