

Local Climate Solutions towards 100% Renewables - Gender Matters

Training & Demonstration Centers

Renewable Energy Folkecenters in Denmark, Mali, Uganda

Mr. Daniele Pagani, Nordic Folkecenter for Renewable Energy, Denmark



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for Renewable Energy
www.folkecenter.net



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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





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

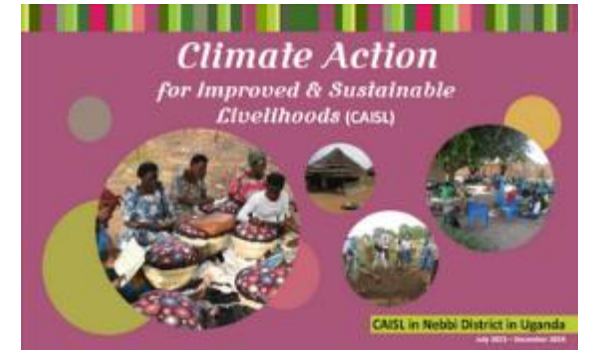


[More info](#)

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;



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://jeepfolkecenter.org/>

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



HIGH-LEVEL POLITICAL FORUM
ON SUSTAINABLE DEVELOPMENT

UN HIPE2020 Side Event: July 15, 2020, INFORSE: Local Climate & Sustainable Energy Solutions,
South Asia, East Africa, Eco-Village Development, 100% Renewables



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Light over Africa



Drawings by Anna Krenz



HIGH-LEVEL POLITICAL FORUM
ON SUSTAINABLE DEVELOPMENT

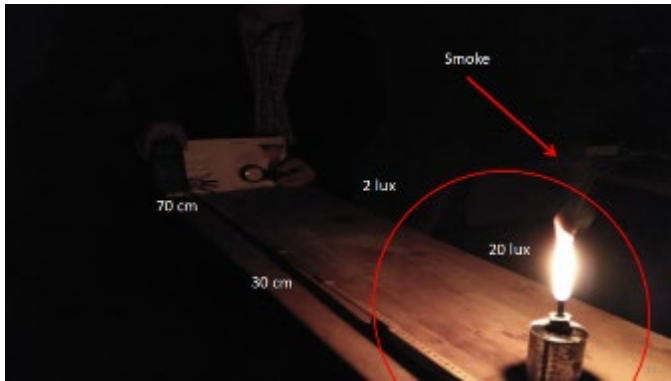
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More Energy!



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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 Benedit 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"

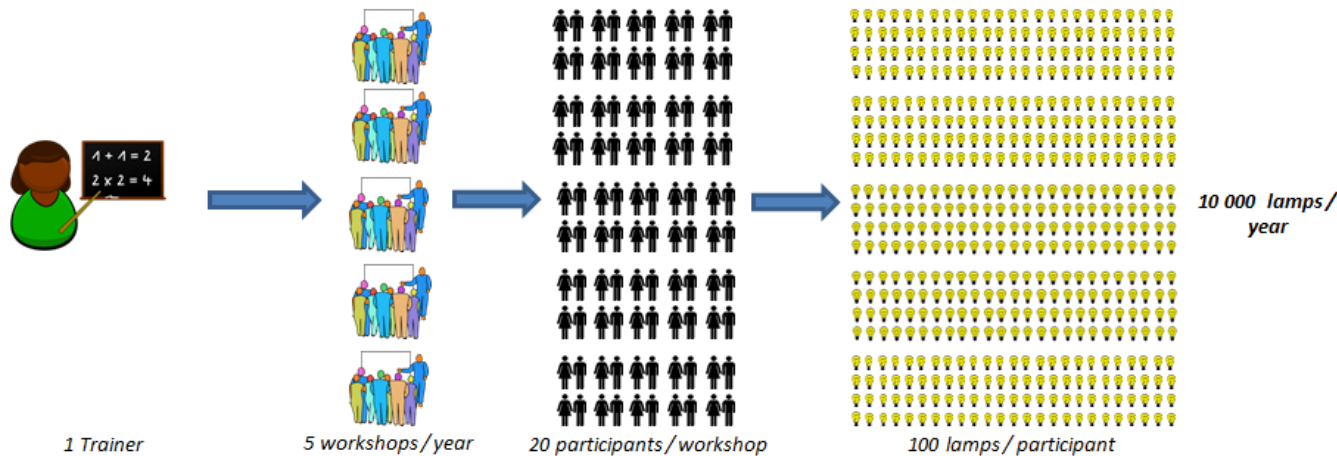
"The resistors heat up and fail after a certain period of time" [...]
"This is the configuration we adopted which provides more light, the resistors as LEDs don't heat up"





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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



SG
SUN GENERATOR: INSTRUCTOR
A complete course to form future Sun Generator instructors

<https://www.folkecenterevents.net>

Thanks for your attention!

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UNFCCC COP29 SIDE EVENT Blue Zone
20/11 2024 11:30-13:00, SE Room 2



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More: www.inforse.org/cop29.php