



9 FEBRUARY 2021
14:00-15:00 CET

LANDSCAPING - CAPACITY BUILDING AND KNOWLEDGE SHARING OPPORTUNITIES



Moderators



RANISHA BASNET, energypedia



LISA FELDMANN, energypedia

Webinar Series: Sustainable Energy in Humanitarian Settings

PAST WEBINARS

- Oct 2020: [Productive Uses of Energy in Humanitarian Contexts](#)
- SEP 2020: [Powering Possibilities - Lessons Learned from Mini-grid Application in Conflict and Fragile Contexts](#)
- JUNE 2020: [Powering WASH - Renewable Energy for Water Supply in Humanitarian Settings](#)
- MAY 2020: [Powering Humanitarian Health Operations: Sustainable Energy Solutions](#)
- FEB 2020: [Energy Efficiency and Designing for Sustainability in Humanitarian Response](#)
- JAN 2020: [Powering Humanitarian Facilities: Dialogue on Implementation Models](#)
- DEC 2019: [Sustainable Energy for Household Cooking Needs in Humanitarian Settings](#)
- NOV 2019: [Sustainable Energy for Powering Household and Community Lighting Needs in Humanitarian Settings](#)
- SEP 2019: [Sustainable Energy for Essential Humanitarian Services: Outline of Energy Solutions and a Case Study on Solar Pumping](#)
- JUNE 2019: [State of Play: Sustainable Energy in Humanitarian Settings](#)

Upcoming Webinars

- Stay tuned for our webinars.



Tell us about you!
- Poll -



- Agenda -

The screenshot displays the GoToWebinar interface. On the left is a vertical toolbar with icons for audio, chat, and help. The main content area is divided into two sections:

- Audio:** Includes a dropdown menu with "Telephone" (selected) and "Mic & Speakers". Below this, it shows dialing information: "Dial: +1 (914) 614-3429", "Access Code: 871-482-194", and "Audio PIN: 9". A red banner contains the text "If you're already on the call, press #9# now." Below the banner are links for "(and [additional numbers ...](#))" and "[Problem dialing in?](#)".
- Questions:** A large text input field with a placeholder "[Enter a question for staff]" and a "Send" button.

At the bottom, a box displays "Webinar Now" and "Webinar ID: 153-465-475". The "GoToWebinar" logo is at the very bottom.

Q&A

Presenter

Alberto Llario, IOM UN MIGRATION

Alberto is a WASH and Energy Manager with the International Organization for Migration. He has over 15 years of experience in the relief sector in various country, regional and global positions with Action Against Hunger, OXFAM, UNHCR and IOM in Europe, West and East Africa and South East Asia. During the last 5 years he has been coordinating the implementation of the Global Solar & Water Initiative to support the introduction and scaling up of solar energy-based solutions across relief organizations all around the world.





- Poll -

Presenter

Marco Albertini, INTERNATIONAL COMMITTEE OF THE RED CROSS (ICRC)

With a background in Environmental Engineering and Business Administration, Marco has 15 years of international experience in team coordination and project management in the fields of water and power supply and rehabilitation of infrastructures for essential services. He joined the ICRC in 2005 and undertook field missions coordinating humanitarian operations in Ethiopia, Pakistan, Palestine, Mauritania, Philippines, Lebanon, South Sudan. He is currently the Knowledge Manger for the ICRC Water and Habitat Unit at Geneva HQ.



Presenter

Prof. Izael Pereira Da Silva, PhD, STRATHMORE UNIVERSITY

Professor Da Silva is a renewable energy specialist with over 20 years of experience in research and academic leadership. Currently, he is a Professor and the Deputy Vice-Chancellor for Research and Innovation at Strathmore University. He holds a PhD and a Master of Science (MSc) in Electrical Engineering, with a specialisation in Power Systems, from the University of Sao Paulo, as well as a Bachelor of Science (BSc) in Electrical Engineering, with a specialisation in Power Systems and Telecommunications, from the Federal University of Parana. A qualified engineer, he is a member of several engineering societies both within and outside Africa. He is also an Accredited Energy Auditor with Kenya's Energy and Petroleum Regulatory Authority (EPRA), and a Certified Energy Manager with the Association of Energy Engineers (AEE), based in Atlanta, Georgia. Over the years, he has worked with government ministries, development agencies (like GIZ, Sida, the World Bank, etc) and industry stakeholders (within and outside Africa) in research and research-related projects, with the objective of deepening the linkage between industry and academia. His research interests are renewable energy, the Sustainable Development Goals (SDGs), energy efficiency, climate change mitigation and adaptation, demand-side management, energy conversion, energy utilisation and conservation, renewable energy technologies, and renewable energy policies. He has written and published extensively in these areas.





The Nairobi energy knowledge hub

*Presentation at the Energy Webinar series
February 2021*



Strathmore
UNIVERSITY



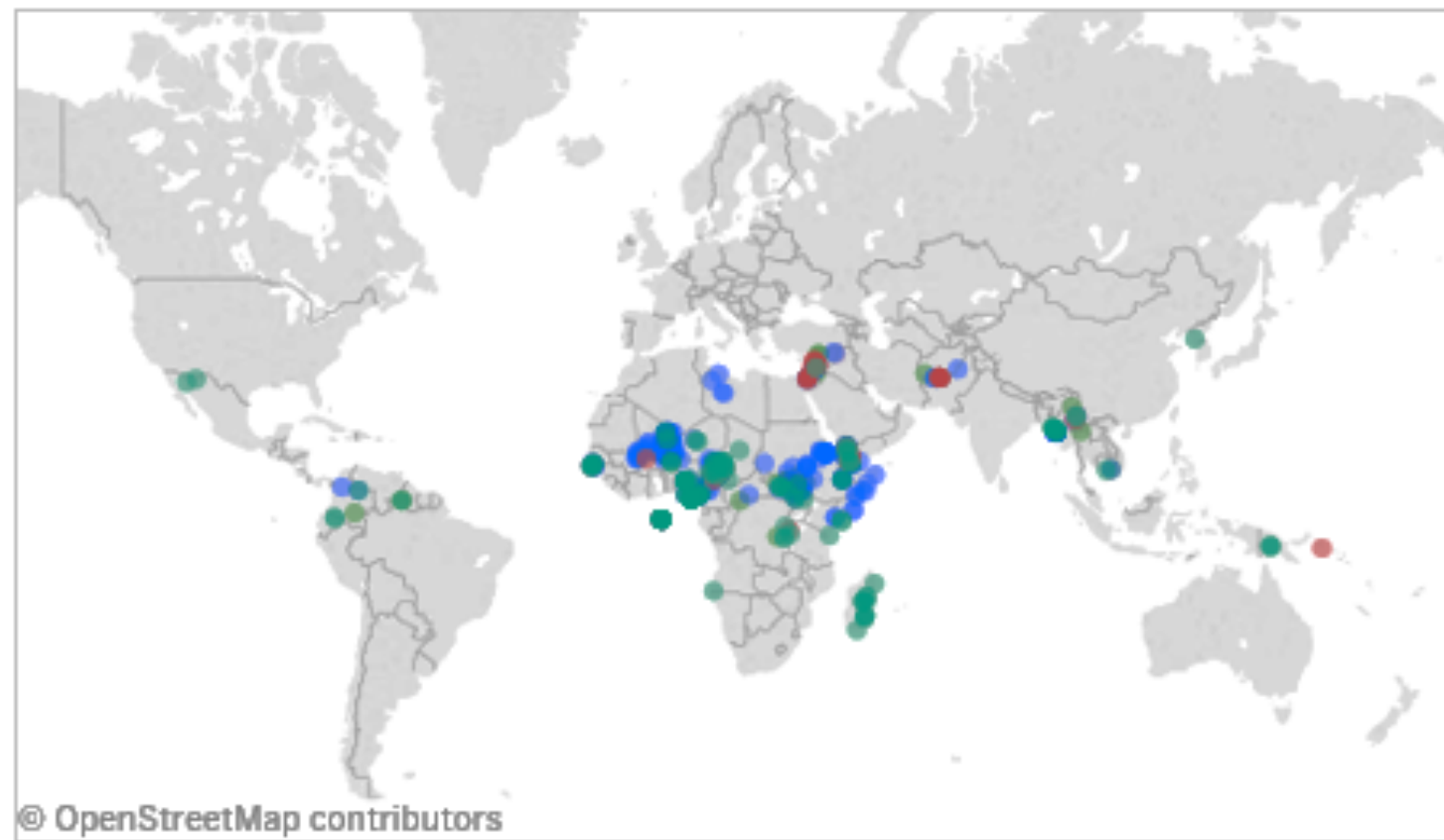
ICRC



For long, GenSets have been the only affordable and immediate solution



Solar projects locations



Over the last 2 years, 300 ICRC projects used solar power technology.

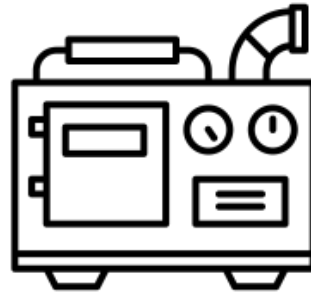
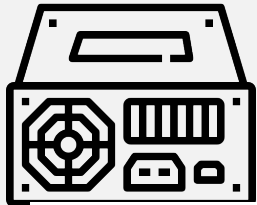
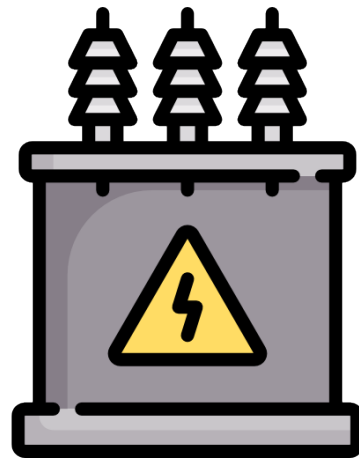
- 65% in Africa
- 53% related to solar for water supply applications



To match the targets set by our institution, we need to rapidly increase general literacy on power supply and energy management for 800 engineers

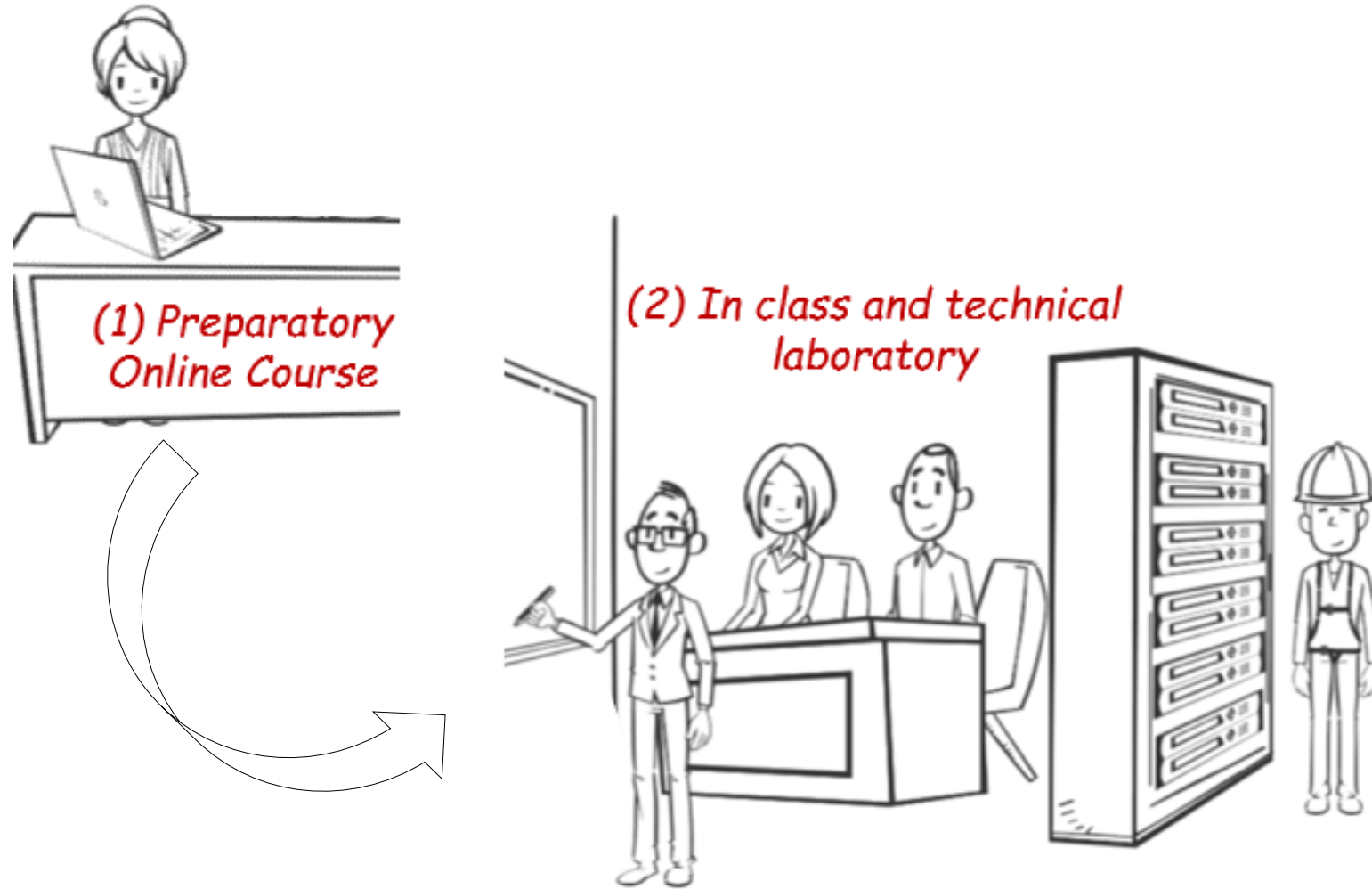


We looked for a partner to build a training center with classes and laboratories with specialized equipment



Main contents of the foundation course:

- Electrical safety
- Introduction to electricity measurements and physics
- Power generation, transmission and distribution
- Transformers, motors and generators
- Wiring, diagrams and installations
- Earthing and lightning safety
- Power distribution panels, MV and transmission lines
- Solar power and mini-grids



The module will include:

- A preparatory online phase
- An in-person 8 days training in a customized laboratory

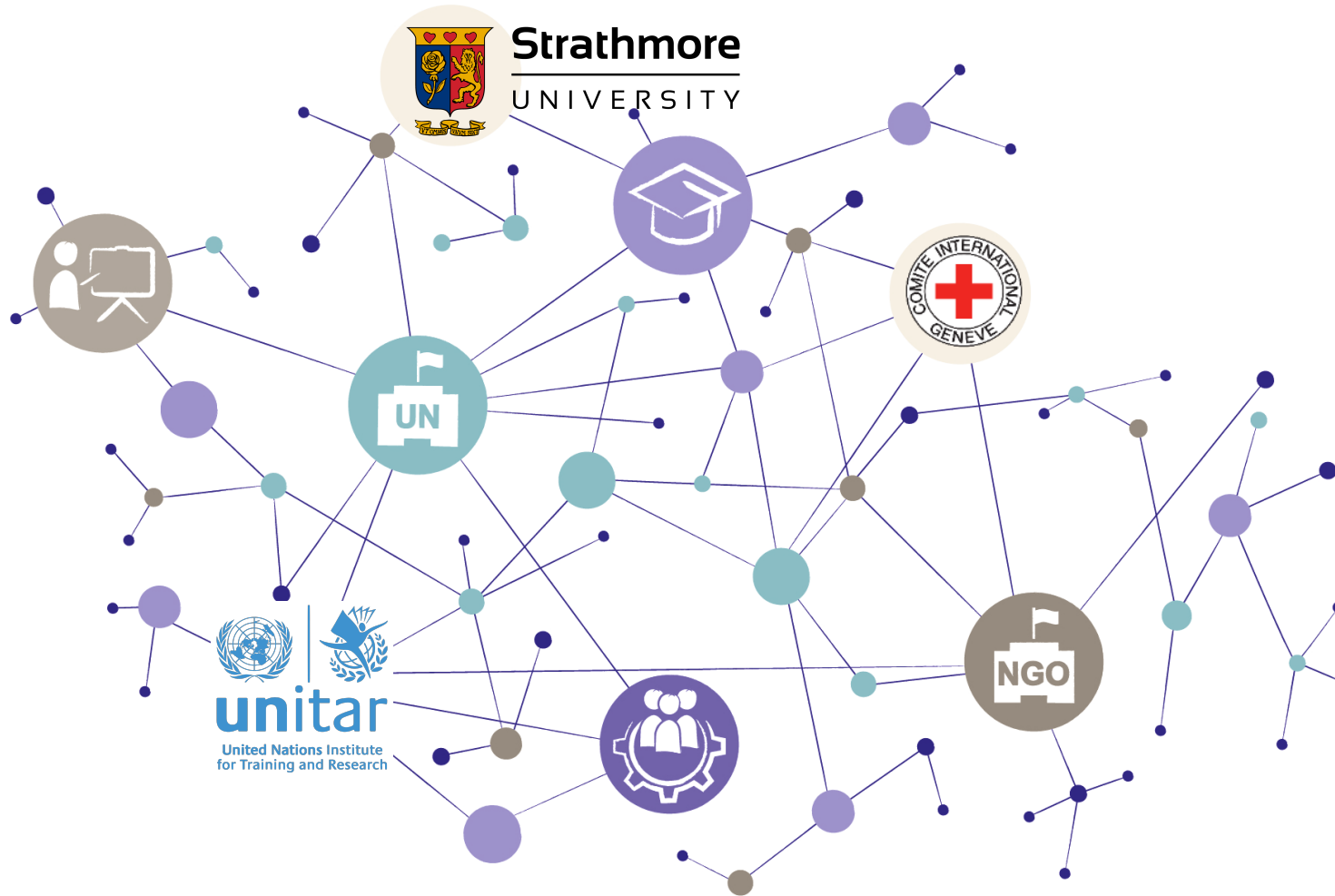


2021: proof of concept and first hub in Nairobi

2022: extension of Nairobi hub and launch of new hub in Amman

2023: consolidation of two hubs and launch of third site

Until 2023, and beyond, the initiative will be consolidated and extended to a network of energy hubs



The initiative is created through a network of partners open to:

- RCRC movement
- Academia
- UN Agencies
- Corporate sector



- Poll -

Presenter

Aimee Jenks, UNITAR

Aimee works with the GPA Secretariat as a Desk Officer and assistant coordinator of the Global Platform for Action on Humanitarian Energy (GPA). Her responsibilities include leading the collective work under GPA Working Areas on Training and Capacity Building and Planning and Coordination. She is an energy engineer with previous experience in the off-grid energy and oil & gas sectors.





Global Review – Humanitarian Energy Tools and Collaboration Opportunities

9 February 2021, Webinar



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Global Platform for Action on Humanitarian Energy

What is the GPA?

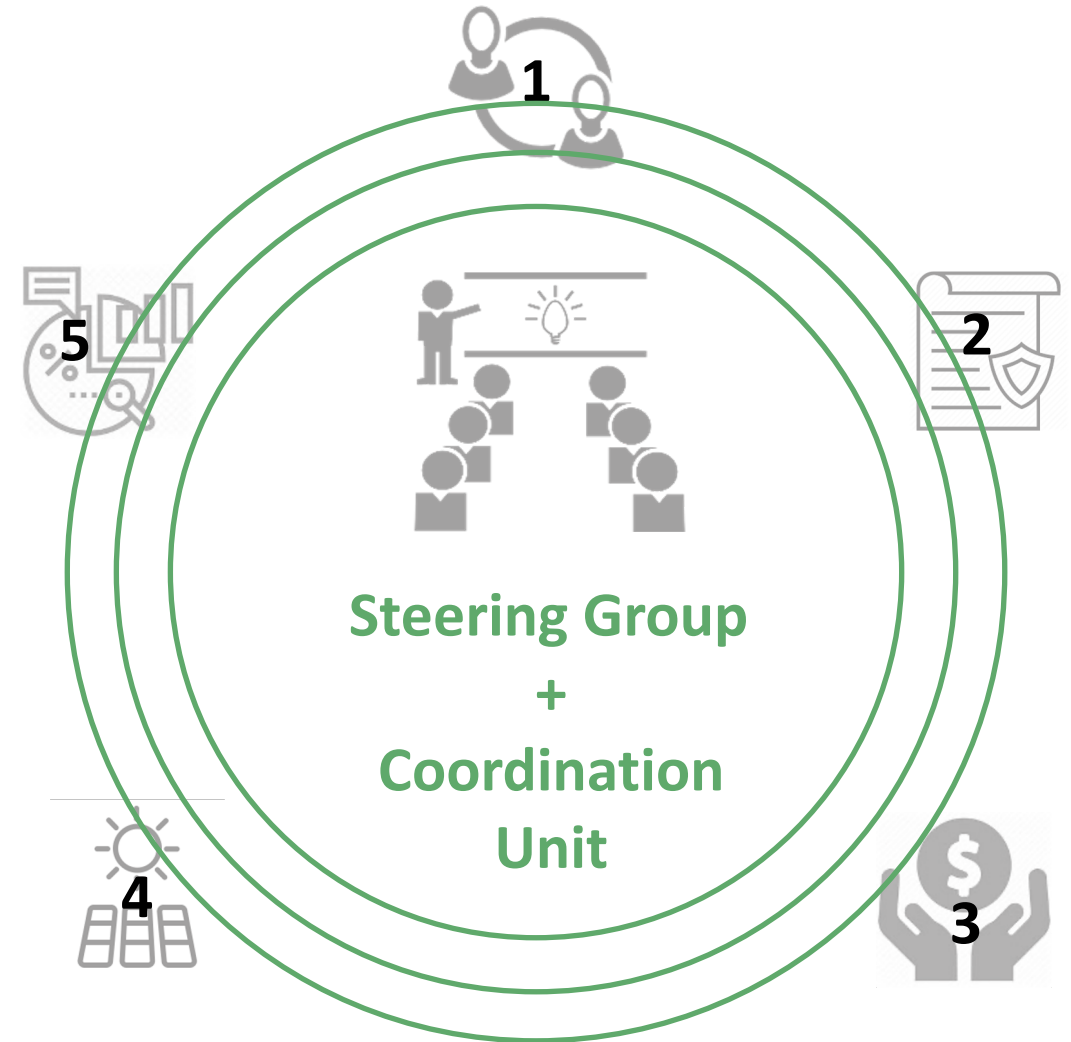
The **Global Platform for Action on Humanitarian Energy** (GPA on Humanitarian Energy) is the global initiative to promote actions that enable sustainable energy access and use in displacement settings.

GPA Working Areas

Collaborative, multi-sectoral activities in 5 working areas:

- 1) **Planning & Coordination**
- 2) **Policy & Advocacy**
- 3) **Innovative Finance**
- 4) **Capacity Building & Training**
- 5) **Data & Research**

Goal: Universal access to sustainable energy for all crisis affected communities.



Tools, Opportunities, Collaborations



Training and Energy Programme Development

- This and future [Webinars](#) (give us your input on future topics!)
- Energy Program Design Training – UNITAR Training (June-July 2021)
- Training from companies: Victron, Schneider Electric, Grundfos



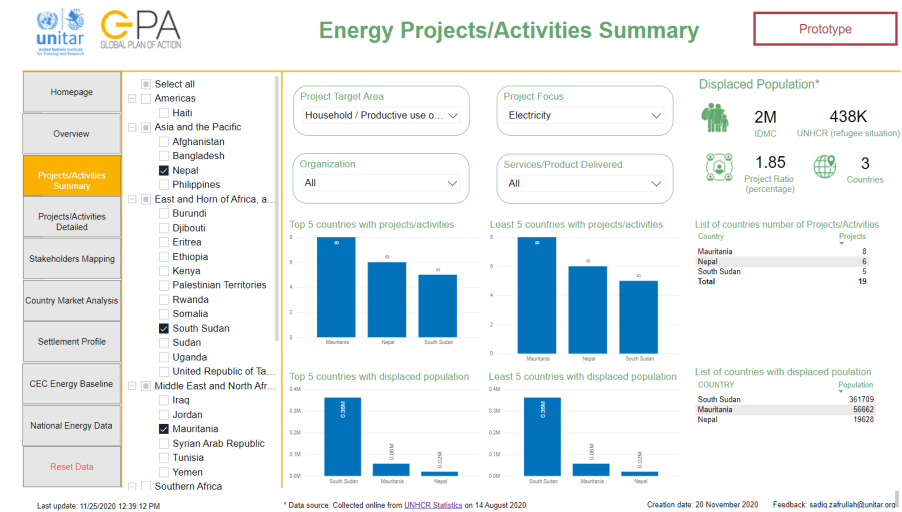
Fundraising and Financing

- Funder roundtable
- Mapping financing calls and opportunities (GPA Website)
- [Global Guarantee Mechanism](#) and [Standard Leasing agreements for energy infrastructure](#)



Collaboration and Partnerships

- Humanitarian Energy Data portal: <https://bit.ly/GPA-HEData>
- GPA Implementers Network – Coordination at operational level
- [Clean Energy Challenge](#)
- Humanitarian Energy Practitioners [Linkedin](#) group & GPA [Newsletters](#)



Thank you

Reach out if interested in any of the opportunities presented:

Aimee.jenks@unitar.org

GPA Website: <https://www.humanitarianenergy.org/>

LinkedIn: <https://www.linkedin.com/groups/12310695/>

How to participate?



WEB

1

Connect to www.wooclap.com/HEW11

2

You can participate

Thank you

- Feedback: info@energypedia.info
- Webinar documentation/Additional Resources:
https://energypedia.info/wiki/Webinar_Series:_Sustainable_Energy_in_Humanitarian_Settings_-_Feb_2021
- Stay tuned for our upcoming webinars!



ICRC



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