

Webinar Series:

Productive Uses of Energy for Improved Livelihoods in Humanitarian Contexts

Session 2:

Planning Energy-Livelihoods Interventions in Humanitarian Settings - Tools and Delivery Models

Date and time:

Tuesday, 15 March 2022
14:00-15:30 CET

Photo credit: Vasco Amisi

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Co-hosted by:



ICRC



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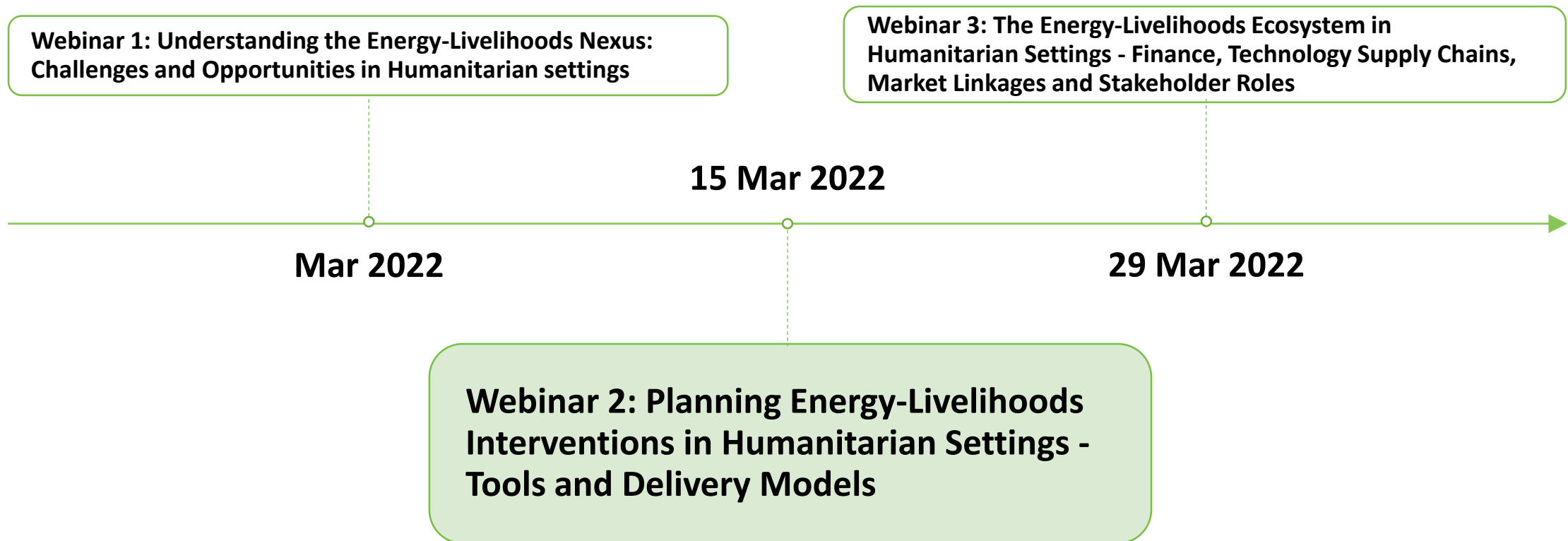
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United Nations Institute for Training and Research



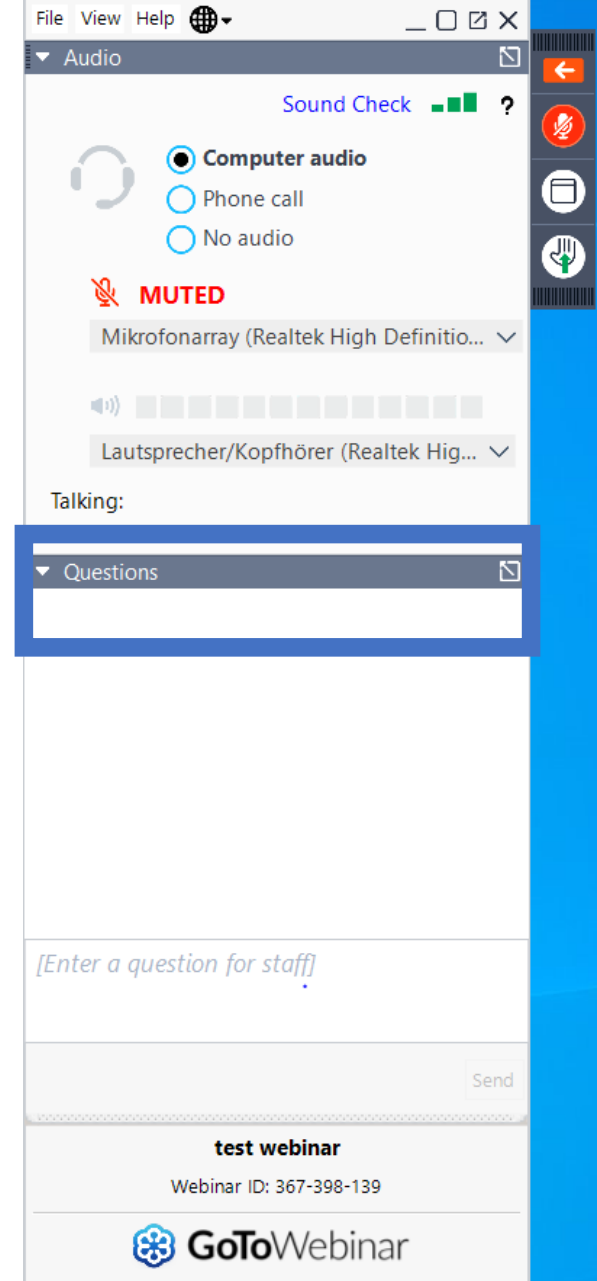
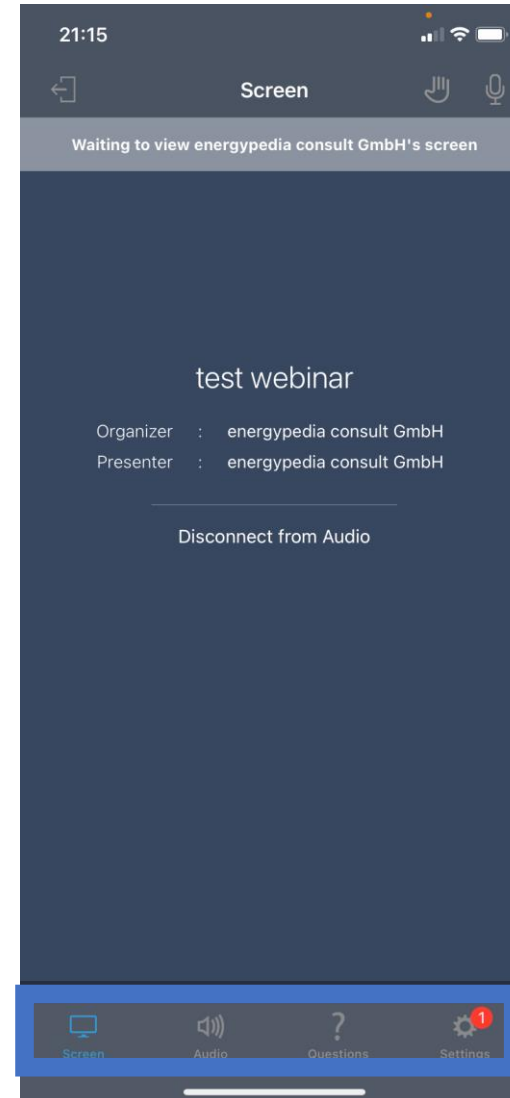
GLOBAL PLATFORM FOR ACTION

Webinar Series on Productive Uses of Energy for Improved Livelihoods in Humanitarian Contexts



Housekeeping

Please send us your questions via the „**QUESTIONS**“ tab!



Agenda

Tools for energy-livelihood program design and example from Sierra Leone

Shahaab Javeri
SELCO Foundation and TENN (joint presentation)

Energy livelihood planning and intervention examples

Robert Munis
Danish Refugee Council Tanzania (DRC)

Panel discussion on different delivery models

Moderator: Shahaab Javeri

Panelists:

Andrea Ranzanici (HumEn)

Fazle Muztaba (Envo)

Aimee Jenks (UNITAR/GPA)

Robert Munis (DRC)

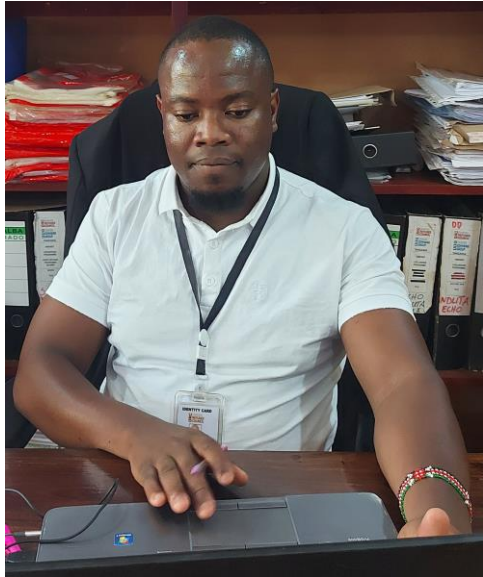
Presenter



Shahaab Javeri, SELCO Foundation

Shahaab contributes across teams at SELCO Foundation, with regards to program strategy & design, communication, documentation, and knowledge management from an action research perspective. He has been with the organization for a period of 5 years and has been engaged in the development and communication sectors for a period of 10 years.

Presenter



Robert Munis, Danish Refugee Council (DRC), Tanzania

Robert is a DRC's Livelihoods team leader with expertise around financial inclusion and renewable energy areas. He has been working in DRC Tanzania for 6 years and engaged in both humanitarian and development projects in Tanzania. He is a strategic partnership focal point for DRC Tanzania.

Webinar on : **Planning Energy–Livelihoods Interventions** in Humanitarian Settings - *Tools and Delivery Models*

→ Experience from DRC Tanzania on Energy – Livelihoods/financial inclusion programming.

Presented by: Robert Munis, DRC Livelihoods TL

Tuesday 15 March, 14:00-15:30 CET



Solarized container for IGA and Water supply in Kibondo, TZ.

Outline

1. Introduction

- ✓ Overview of DRC's Livelihoods Projects

2. Highlights on Energy – Livelihoods Actions

- ✓ Designs and Key Achievements

3. Highlights on Financial Inclusion Programme

- ✓ Overview
- ✓ Integration with energy action

4. Challenges

5. Lesson learned



Overview of DRC's Livelihoods Projects

DRC Tanzania / Burundi operational areas

Livelihoods and Energy/Environment Interventions

1. Agricultural interventions

- ✓ Vegetable production, agro-processing and value addition, greenhouse farming.

2. Vocational Skills Training (VST) Programme

- ✓ Soap making, bakery, bicycle repair, tailoring, electrical installation etc.

3. Financial Inclusion Programme,

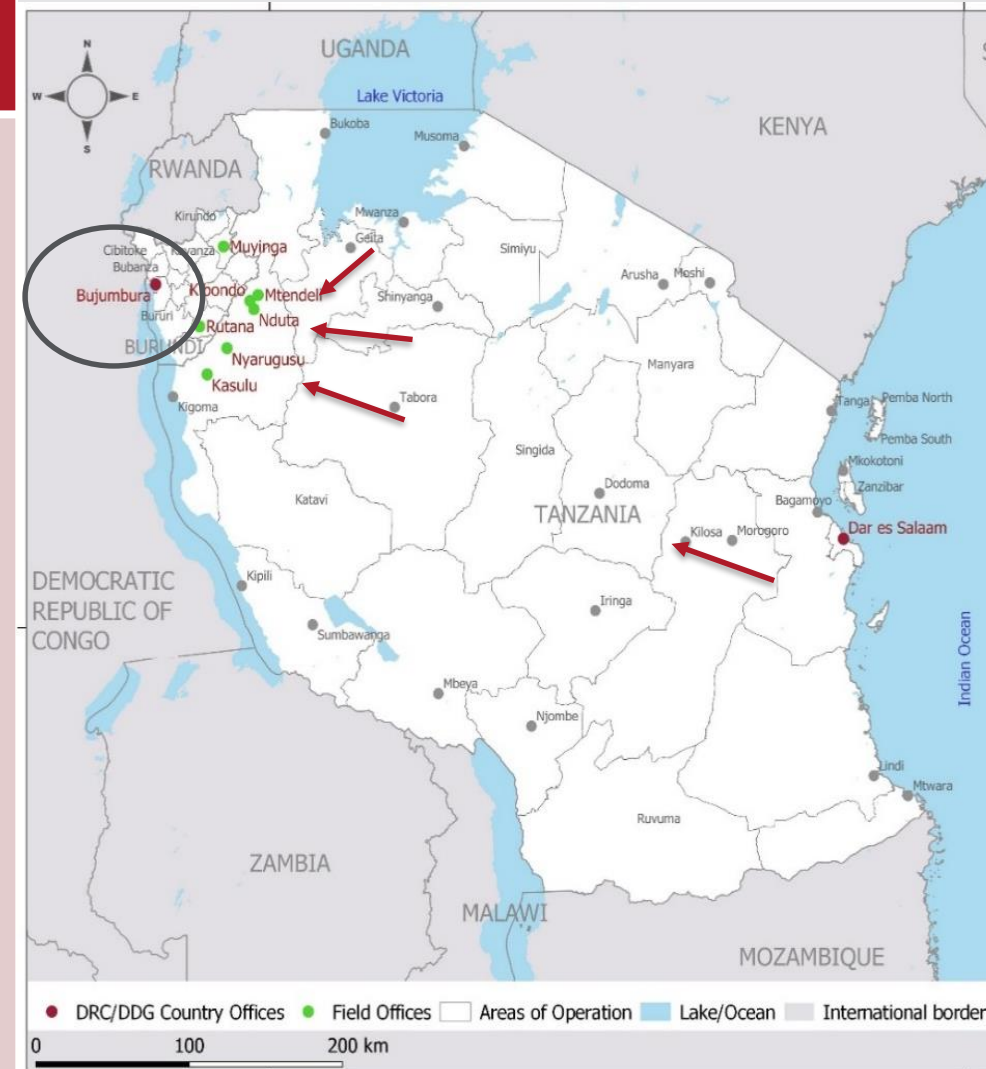
- ✓ Improving access to financial services among smallholder farmers through formation of VSLAs.

4. Energy and Environmental conservation

- ✓ Access to alternative source of energy for cooking
- ✓ Forest protection – tree planting
- ✓ Capacity building on forestry management, Conservation agricultural etc.

Our Donors:

1. UNHCR
2. DANIDA – Danish Embassy in TZ
3. UNCDF



Highlights of Energy–Livelihoods Actions

1. Designs and Key Achievements – UNHCR

- **Solar powered Vocational Training Centers (VTCs)** for refugees and host community members.
 - ✓ Vocational Skills Training e.g. bakery, phone repair etc.
 - ✓ ICT program
 - Computer literacy
 - Online learning => Coursera courses



➔ ICT classes in Nduta camp



Highlights of Energy–Livelihoods Actions...

1. Designs and Key Achievements – DANIDA

- **CfW program:** Facilitate production of Char (raw materials) for bio-briquettes production as alternative energy sources of cooking.
- ✓ **Build Local Economy** => adding value to Agri by products such as; rice husks, maize cobs etc.



Refugees are engaged in the production of bio-briquettes



Char production activity in Kibondo - HC.

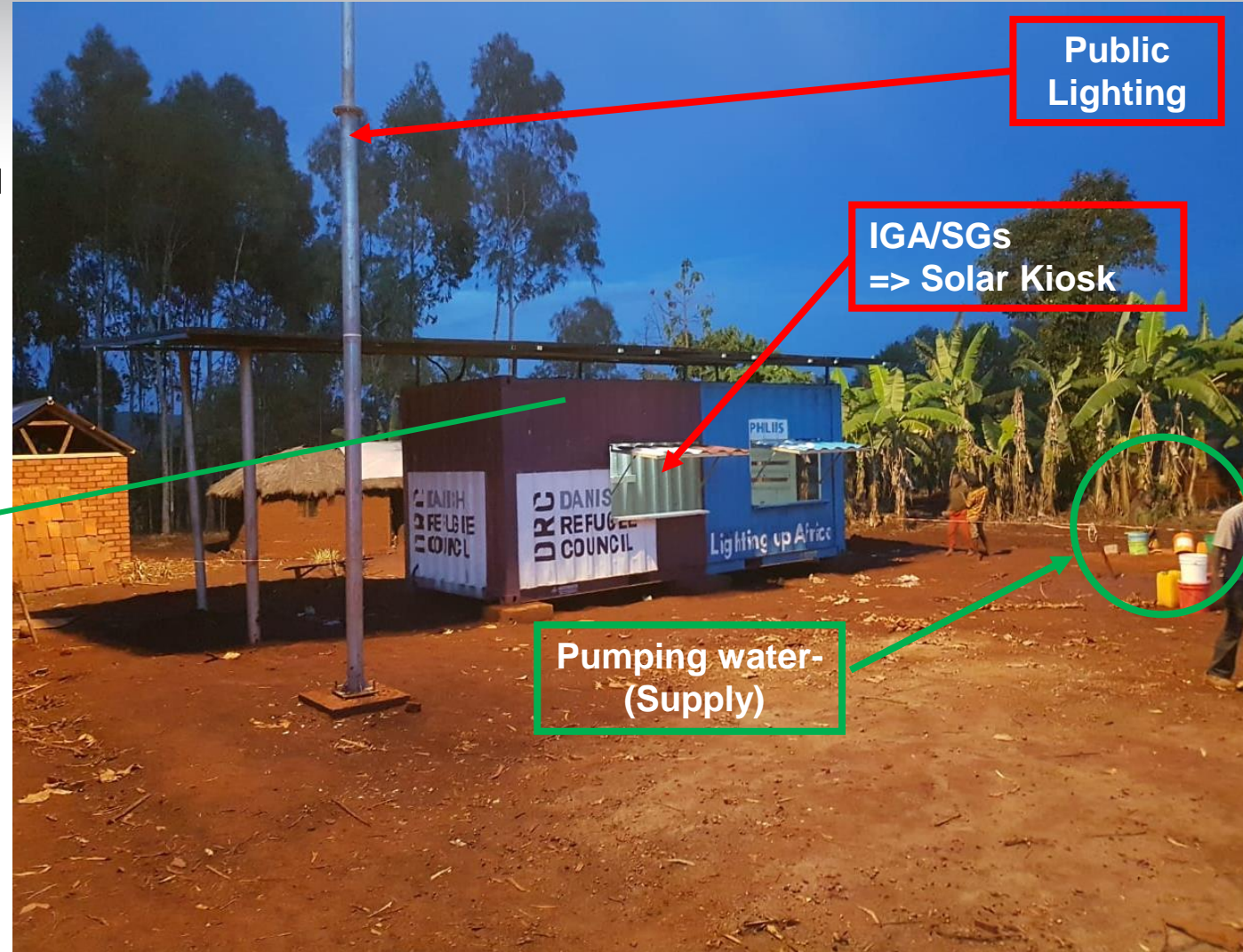
Highlights of Energy–Livelihoods Actions...

1. Designs and Key Achievements - Philips

- Installation solarized containers for IGAs, water supply and public lighting in HC.
- ✓ Trained local technicians for maintenance => sustainability
- ✓ Gain income re-invested for maintenance of solar systems



A youth group providing phone charging and repair services to the community in Kibondo, TZ.



Container mounted with solar system in Kibondo, TZ.

Highlights of Energy–Livelihoods Actions...

1. Designs and Key Achievements - Philips

- **Installation of solar systems** in public areas such as **market places, schools, hospital**
- **Distribution of solar lanterns** to business vendors and **vulnerable HHs in HC**
 - ✓ **Improve market operation** and **well-being** of the targeted population

Solar lantern for;

- ✓ Lighting
- ✓ Phone/Radio charging



Solar powered lighting system improved market operation in HC.



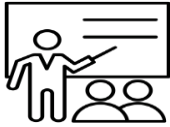
Distribution of Solar lanterns to vulnerable individuals in Kibondo TZ.

Financial Inclusion Programme (FIP) – UNCDF – 500SGs

Overview => Care Model



MOBILIZE AND FACILITATE formation of saving groups



TRAINING of beneficiaries on saving groups operations, financial education, business skills and entrepreneurship



DISTRIBUTION of voluntary savings and loans associations (VSLA) kits



MONITORING AND PROVISION of technical support to SGs



Integration of Energy and FIP Action

- Enrollment of beneficiaries from other energy components to FIP for sustainability
 - ✓ Improve access to financial services, thus having saving for maintenance of solar systems etc.
- Charging of tablets from installed solar systems for financial education and digital literacy

Challenges and lesson learned

A. Challenges

1. Unpredictable government directives towards implementation of livelihoods activities in refugees camps.
 - ✓ Closure of markets in refugee camps → limits business opportunities.
2. High energy-livelihoods based needs compared to current support.

B. Lesson learned

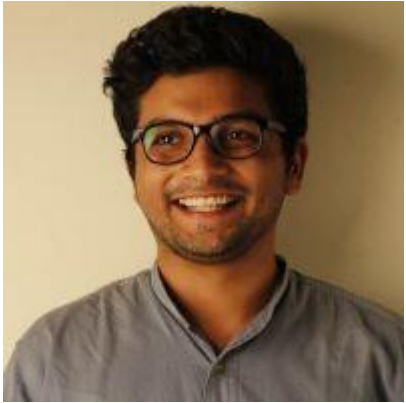
1. Solar energy has great potential of reducing carbon footprint in various livelihoods related programming such as; VST.
2. Cash for Work (CfW) programme contributed to improvement of local economies
3. The inclusion of host communities in livelihood/environmental programs contribute into peaceful coexistence of refugees and host community population.



Thank you



Panel Discussion



Shahaab Javeri
SELCO Foundation



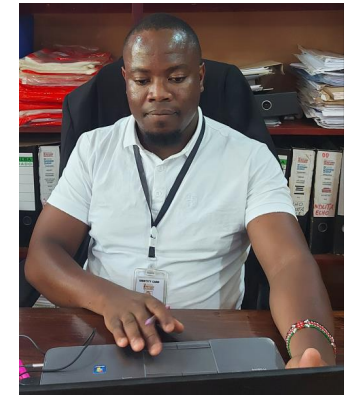
Aimee Jenks
UNITAR/GPA



Fazle Muztaba,
**Envo Renewable
Energy Services
Pvt.Ltd**



Andrea Ranzanici
**HumEn-Humanitarian
Energy PLC**



Robert Munis
**Danish Refugee
Council Tanzania
(DRC)**

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.



Session 2 - Livelihoods Webinar

Energy Delivery Models – Co-planning with Communities

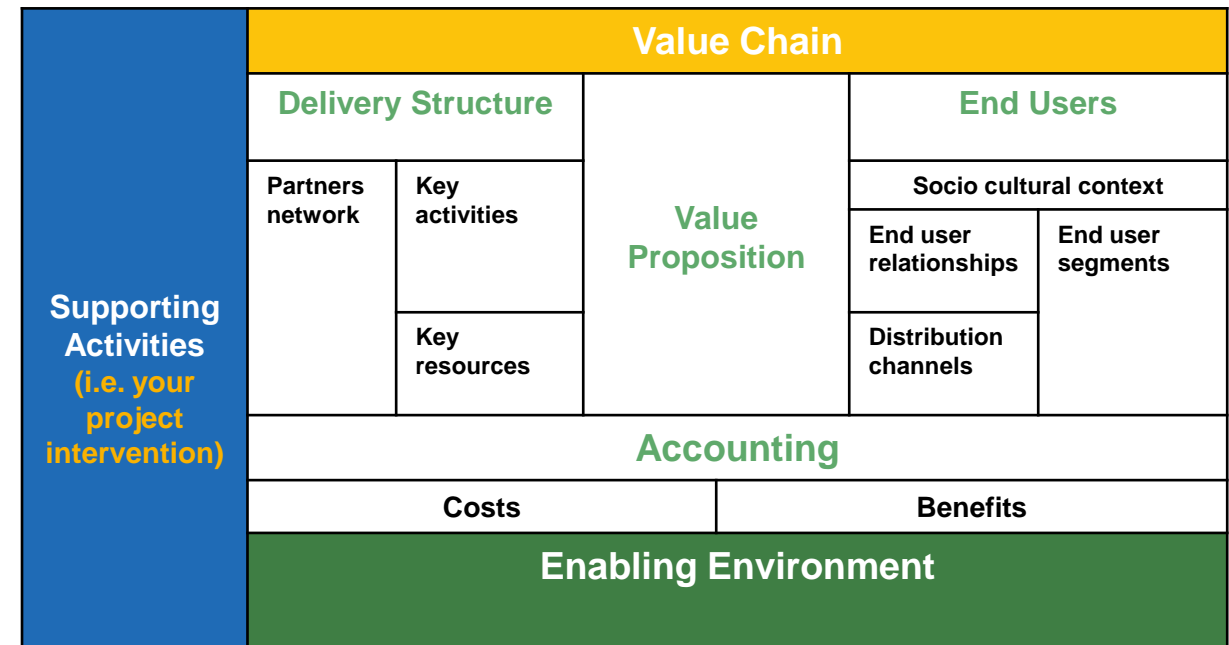
A Tool for Value Chain Analysis and Energy-Livelihoods Programme Design

Goal: Shift from short term ‘**procure and provide**’ mindset of humanitarian sector, to longer-term approaches that **develop local skills and market systems**

Principles:

- Inclusive and end-user driven
- Co-creation with communities
- Focused on supporting local value chains
- Sustainable finance and business models for long term change

The Energy Delivery Model Canvas – Energy Access Planning Tool *Supporting Local Value Chain Development*



[Energy Delivery Models Toolkit](#)



Projects Developed through the EDM Methodology



ARMENIA Project;
Access
Renewable-Energy for
Micro
ENterprises
In
Armenia



- **Barrier identified:** Rural businesses unserved by typical government and banking institutions, difficulty accessing finance for renewable energy systems
- **Solution:** Financial inclusion approach – subsidizing access to renewable energy for small businesses
- **Results:** Improved business output and more income generation
- Learn more [online here](#)



SNV

E-cooking in social institutions in Kakuma Refugee Camp

SNV

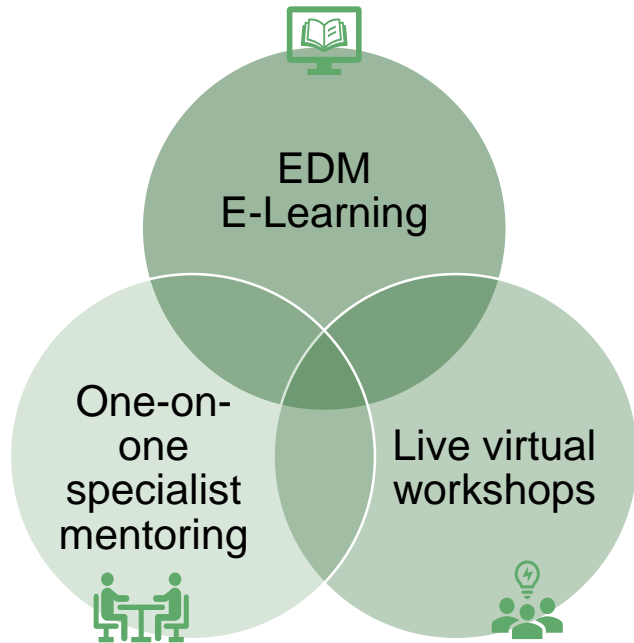
Members: Victor Gathogo and Karlijn Groen

Mentors: Long Seng and Katrina

- **Barrier identified:** Schools in Kakuma primarily cooking with firewood, no access or supply chains set up to access alternative technologies
- **Solution:** Piloting Electric Pressure Cookers (EPCs), generating data-driven evidence to scale up & connect suppliers to schools directly
- **Results:** Shorter cooking time, less air pollution, tastier food
- Learn more [online here](#)

Training Tools

Training Tools Available



Partners



Contact for learning more or accessing tools:
Aimee Jenks (aimee.jenks@unitar.org)

Presenter



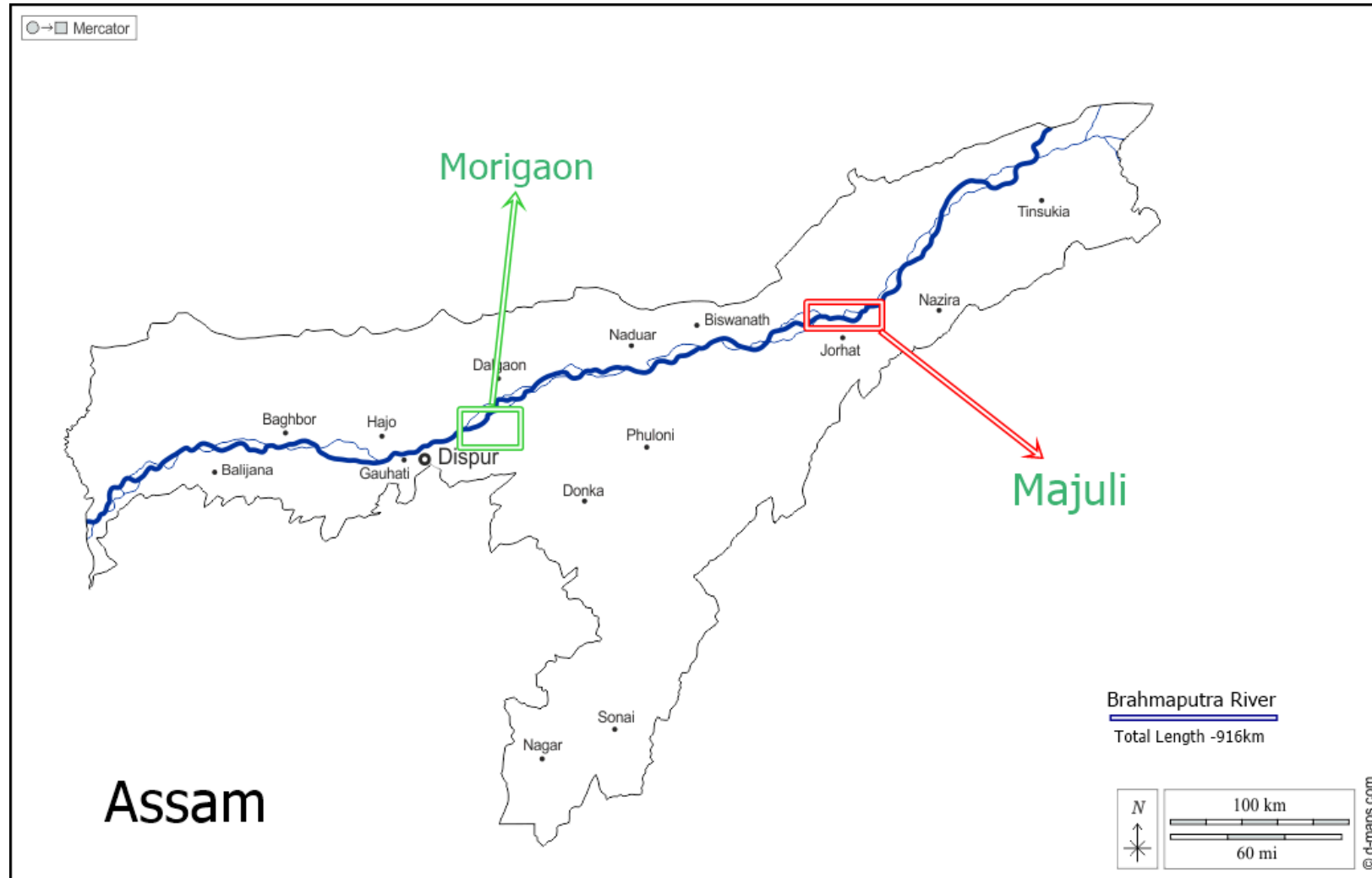
Fazle Muztaba, Envo Renewable Energy Services Pvt.Ltd

Fazle is the Co-Founder & Managing Director of Envo Renewable Energy Services Pvt. Ltd., a rural energy enterprise creating a holistic ecosystem to provide reliable energy access in the most remote and vulnerable areas of the North East Region of India. He is an ex-banker and entrepreneur with an experience of 10+ years in the decentralized renewable energy (DRE) sector. Fazle and his team with their DRE interventions is working for the underserved communities of the region which mitigates climate change and works as an enabler in Poverty Alleviation, opportunity for improved Livelihood, Health Services

Livelihood Delivery Models for Disaster Response



Assam Geographical Map



Flood in Assam and Its Impacts



Solar Powered Rescue boat



IEC for Flood Affected Areas



Energizing Khawa Making Process in Majuli



Thank you

Presenter



Andrea Ranzanici, HumEn-Humanitarian Energy PLC

Andrea has more than 10 years of experience as project manager and advisor in the field of sustainable energy access in sub-Saharan Africa. Based in Addis Abeba, Ethiopia, Andrea is now the managing director of HumEn. HumEn is an Ethiopian social enterprise established by international and national shareholders, which aspires to become the partner-of-choice for clean and sustainable energy access for humanitarian settings, organizations and operations, in Ethiopia and elsewhere.



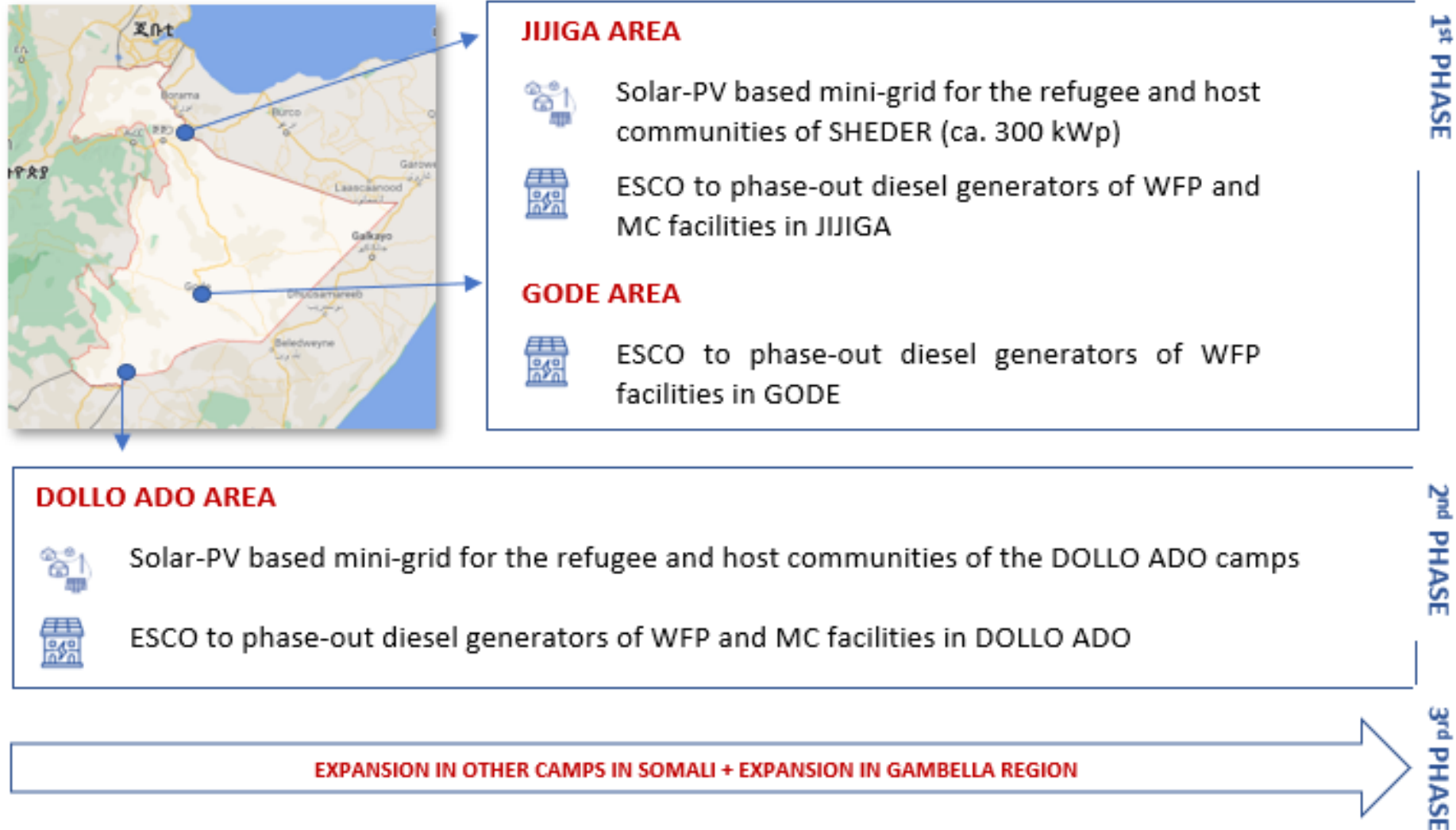
HUMEN

Humanitarian Energy

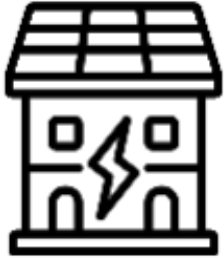
HumEn is an **Ethiopian social enterprise** established by **international and national shareholders**, which aspires to become the partner-of-choice for **clean and sustainable energy access for humanitarian settings, organizations, and operations**, in Ethiopia and elsewhere.

For prospective clients, *HumEn* **designs, finances, constructs, and operates** capital-intensive clean energy infrastructures, thereby meeting the clean energy needs and carbon reduction aspirations through commercially sustainable models

HumEn deploys **hybrid solar PV mini-grids** to power life and businesses in displaced communities; and an **asset leasing model for turn-key stand-alone systems** for humanitarian organizations and operations



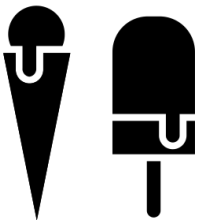
HOW – ANCHOR AND LIVELIHOOD



Captive use for humanitarian organizations (UN agencies, other players) and interventions (water distribution systems, other interventions), through turn-key solutions (inclusive of O&M) via asset-leasing/ESCO basis (linked to performance/savings compared to diesel generators)



PUE hub serving the host community, operated privately and with focus on medium large off-takers, in our case rural millers. Space for additional services (internet cafés, communal laundries), to be tendered



Livelihood interventions to support small businesses in the refugee communities, to support the business development and electricity consumption. Various models currently undergoing design.

THANK YOU

a.ranzanici@humanitarian.energy

Panel Discussion



Shahaab Javeri
SELCO Foundation



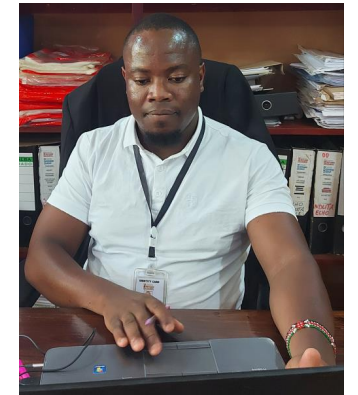
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Thank you

- **Feedback:** info@energypedia.info
- **Webinar documentation/Additional Resources:**
[https://energypedia.info/wiki/Webinar Series: Sustainable Energy in Humanitarian Settings](https://energypedia.info/wiki/Webinar_Series:_Sustainable_Energy_in_Humanitarian_Settings)
- **Register for our upcoming webinar on Energy-Livelihoods Ecosystem in Humanitarian Settings - Finance, Technology Supply Chains, Market Linkages and Stakeholder Roles:**
<https://register.gotowebinar.com/register/2482543744698361871>
- **GPA website:** <https://www.humanitarianenergy.org/>