

**MINUTES of MEETING FOR THE
WORKING GROUP ON ENERGY AND ENVIRONMENT FOR REFUGEE AND HOST POPULATION
VENUE: Uganda Red Cross Society
DATE: Tuesday, 12 June, 2018**

Agenda

1. [Host introduction a presentation, Uganda Red Cross](#) (15 min)
2. Remarks from the Chair (OPM) (5min)
3. Review of Last Minutes and Actions – UNHCR (10 min)
4. 4W Activity Review and i-RRP DRC Response Update (see attached draft) – UNHCR (15 min)
5. Break Tea (15 min)
6. [WFP/CREEC Energy and Environment Study Findings and Discussion](#) (20 min)
7. [GIZ Energy and Environment Study Findings and Discussion](#) (20 min)
8. AOB (10 min)
9. July Meeting Planning

1. Remarks from the Co-Chair – UNHCR

Chair John Paul Magezi sent his regrets. The focus of the meeting will be on Energy issues, especially impacts of cooking energy supply and demand.

2. Review of Last Minutes and Actions – UNHCR

ACTION	PERSON RESPONSIBLE	DEADLINE	Update
Develop and circulate 4W/stocktaking survey	Khurum Asghar Ali (UNHCR)	10.07.2018	Activity list complete, reviewed in the meeting. IM Team to circulate 4W form
Sharing vital information for the Mid-month News letter	All willing partners.		Complete
Prepare guidelines and BOQs for institutional stoves	Ranya Sherif (UNHCR)	01.05.2018	To be followed up with GIZ.
WMZ contacts and CMPs for refugee-hosting catchments to be made available by MWE	Dr. Callist Tindumiguya (MWE)/Ranya Sherif (UNHCR)	01.06.2018	Pending

3. [Presentation of Uganda Red Cross Society](#) (Simon Peter ANYANZO LENIN)

- [Innovation Norway Red Cross project and roll-out](#)

This project tests amongst others the Wonderbag, TLUD gasifier and Briketi in 10 villages in Imvepi and 5 villages in Bidibidi in 100 households.

Highlights so far:

- “Men do not have to fear to burn food anymore and can therefore prepare meals.”
- The Wonderbag is also suitable for physically impaired.
- Cooking competitions were organized within the communities.

Discussions:

- For roll-out, cost/benefit-analysis would have to be translated into impact;
- There is no conclusion yet on the most suitable fuel;

- The Wonderbags handed out 10 years ago are still in use;
- URCS working in emergency response as well as development, is interested in both, handing out of energy-saving items for free (currently the RC movement NFI list is under revision to include such items), as well as following a market-based approach where suitable. Local production is explored.
- The LIFT project (Living Conditions in Imvepi Fostered Together)
This 2.5-years development project in Imvepi started in January 2018 and is implemented by Uganda Red Cross Society together with Austrian Red Cross. The focus areas are:
 - Faecal sludge management
 - Solid waste management
 - Briquette production and roll-out of Wonderbags and improved stoves
 - Environmental awareness raising and re-forestation
 - High-resolution satellite imagery is used for de-forestation analysis
- Upcoming projects
 - Testing of Giertsen's Waterbox as an all-in-one solar water pumping solution for emergencies in Kyangwali, Enyau and KamuKamu, including a 1-day training each.
 - A field school for the Faecal sludge field lab that is field appropriate/applicable, affordable and mobile.

4. **4W Activity Review and i-RRP DRC Response Update (see attached draft) – UNHCR**

- Activity lists were reviewed and updated in small groups then discussion was held. The updated list is Annexed to the minutes. Activities will be categorized as emergency or development-type activities.

5. **WFP/CREEC Energy and Environment Study Findings and Discussion**

It is the study's objectives to assess the impact of settling refugees, their environmental impact and examine potential mitigation measures with the help of satellite imagery to be able to give amongst others indications on:

- Reductions in natural cover,
- Increase in land use activities,
- Influx of refugees,
- Increase pressure on land resources and
- High crop production.

Highlights so far:

- Estimated 2kg/d of firewood are used per person and a bundle with 2-5kg would cost approximately UGX 500.
- Refugees do not have enough space to plant trees.

Discussions → jointly after GIZ presentation

6. **GIZ Energy and Environment Study Findings and Discussion**

The study aims to create evidence if and in how far market-based approaches work in refugee settings.

Highlights so far:

- The majority of the energy vendors have never received any formal training on business skills/ energy topics.
- Relatives and friends are the main providers for sources of training.
- 46% of the energy vendors require training in finance/ book keeping.

Discussions:

- Energy and environment is always a trade-off.
- The option of joint baseline surveys should be explored and a methodology to be developed/ shared with the MWE. More than that we should develop reporting formats that are commonly used.
- Proper user training is essential for O&M of new technologies.
- How can we all agree on a common approach in market-based interventions or when to hand out energy-saving items for free.
- Task forces should work on how to complement each other and make decisions based on a joint strategy.
- Energy and environment is a cross-cutting sector e.g. with livelihood or shelter and a common ground has to be found with the other coordination bodies.

7. AOB

8. Next meeting

Tentative July 10, 2018 @ 10am - Venue TBD,

- a. Host Presentation, Energy Development in Refugee Hosting Districts - Rural Electrification Agency/Norwegian Embassy/USAID, Ministry of Water and Environment – Refugee Response Plan Update
- b. 2nd week of July at MWE – to be confirmed

9. List of participants

	Name	Occupation	Organisation	E-mail
1	Abdirahman Zeila	Energy expert	UNHCR	zeila@unhcr.org
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5	Magdalena Baeuerl		Austrian RC	Magdalena.baeuerl@redcross.at
6	Ranya Sherif	Environment Team Lead	UNHCR	sherifr@unhcr.org
7	Katarina O'Regan		IOM	koregan@iom.int
8	Katimbo Duncan	GIS Associate	UNHCR	katimbo@unhcr.org
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10	Robert Katega	P.O.	WFP	Robert.katega@wfp.org
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13	Anja Rohde	Head of component Energy and Refugees	GIZ/ EnDev	Anja.rohde@giz.de
14	Ben Butele	Energy Coordinator	GIZ	Ben.butele@giz.de
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21	Daniel Schuett	Head of Project	GIZ EnDev	-
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23	Abdallah Salisu	Austrian Red Cross	WASH delegate	Abdallah.salisu@redcross.at

**A Summary of 'Environment' Activities for
Environment and Energy 4W**

Revision A

June 2018

Environment and Energy 4W – Activity List

Environment is a cross-cutting issue, thus there are activities in the other sectors that relate to 'Environment'

The 2018 RRP indicator list represents a limited number of indicators that will be revised in 2019 to reflect the full scope of the sector. For ease of understanding, activities are mapped directly to the indicators and the comprehensive list is provided below.

Environment

- Tree nurseries establishment and operation [#nurseries]
- Seedling distribution [#distributed_fruit, #distributed_general]
- Farmer field schools (on-farm tree-planting, agro-forestry, plantation, & wetland management) establishment and operation [#farmers trained, #schools]
- Tree-planting, especially indigenous species (incentivized) [#planted, #surviving]
- Tree-cover improvement in degraded area [hectares]
- Degraded wetlands restoration [hectares]
- Riverbank restoration and management [km of river bank]
- Woodlot operation and maintenance [#woodlots, hectares]
- Tree marking and monitoring [#trees_marked]
- Environmental sensitization, behaviour change and communications [#sensitized, #communication_materials_developed, #radio_shows, #Community_dialogues]
- Establishment of environmental clubs in school [#school_clubs]
- Environmental assessments, baseline studies [#studies]
- District Community Environmental Action Plans [#plans]
- Construction/maintenance of bio-latrines [#biolatrines]
- Establishment of Community Environment Committee [#Community_Environment_Resource_Persons]
- Commemoration of International Days (World Environment Day, Earth Day, International Forestry Day, International Biodiversity Day) [#events]
- Joint Monitoring and Support supervision by District Officials [#monitoring_events]
- Integrated Water Resource Management and Source Water Protection

Energy

- Training of trainers for energy saving stove construction [#TOTs]
- Distribution/construction of energy saving stoves [#stoves and # institutional stoves]
- Distribution/production of heat retaining cooking bags [#bags]
- Briquette production/training [#ToT, kg_briquettes]
- Sensitization on energy-saving technologies and practices [#sensitized]
- Solar street light installation [#lights]
- Solar mini-grids installation [kW]
- Solar lanterns distribution [#lanterns]
- Communal kitchens installation, operation and maintenance [#meals/day]
- Establishment of market-based energy kiosks [#kiosks]
- Community cooking demonstrations and competitions [#events]

- Promotion of fast-growing species, especially indigenous bamboo
- Power/fuel production from bio-digesters

Environmental Activities in other sectors:

Livelihood

- Trainings farmers in plantation and agroforestry [species selection], beekeeping, energy saving technologies and practises & wetland management
- Valley tank installation and maintenance
- Training of sustainable construction techniques (mud brick, dome slab etc.)
- Row crop planting, along contours, boundaries
- Promotion of pigeon peas
- Establishment and management of tree nurseries for livelihood
- Establishment and management of individual and communal woodlots for livelihood
- Seed distribution
- Training/production/marketing of energy saving stoves

WASH

Water

- Installation of piped, hybrid solar water supply systems
- Implementation of Catchment Management Plans
- Rainwater harvesting, water for production installed and maintained (valley tanks, institutional etc.)
- Groundwater monitoring/ Water Quality Monitoring

Sanitation

- Solid waste management
- Faecal sludge management
- Installation of lined pit latrines
- Energy recovery from waste [bio-latrines or briquettes]
- Training of sustainable construction techniques for latrines

Shelter, Site Planning and NFIs

- Solar lanterns distribution
- Wetlands protected and restored
- Green belts established and maintained with settlements [ha]
- Trees planted at construction sites and along major roads
- Rainwater harvesting installation and maintenance

- Solar street lighting installation

Health

- Medical waste facilities installed and maintained
- Medical waste management training
- Trees growing at health facilities
- Rainwater harvesting installation and maintenance
- Institutional stoves installation and maintenance in Health Facilities

Education

- Tree growing at schools
- Institutional stoves installation and maintenance in schools
- Bio-latrines installation, operation and maintenance
- Environmental clubs establishment and operation
- Rainwater harvesting installation and maintenance

Protection

- Hot meals cooking with energy-saving stoves [reception centres]
- Communal cooking with energy-saving stoves [reception centres]
- PSNs provision of fuel and energy saving technology
- Education about risks of SGBV and firewood collection

2018 RRP Objective	2018 RRP Indicator	Activity
Improve environmental conditions in areas of displacement	# of refugee households receive fuel, energy saving stove and equipment	<ul style="list-style-type: none"> ● Training of trainers for energy saving stove construction ● Distribution/construction of energy saving stoves ● Distribution/production of heat retaining cooking bags
	# of refugees benefiting from environmental health awareness campaigns	<ul style="list-style-type: none"> ● Environmental sensitization ● Establishment of environmental clubs in school ● Trainings of farmers in plantation and agro-forestry management & wetland management
	# of refugees benefiting from renewable energy and green technology	<ul style="list-style-type: none"> ● Briquette production/training ● Solar street lights installation ● Solar mini-grids installation ● Solar lanterns distribution
	# of refugees benefiting from improved air quality through the reduction of the use of firewood	<ul style="list-style-type: none"> ● Training of trainers for energy saving stove construction ● Distribution/construction of energy saving stoves ● Distribution/production of heat retaining cooking bags
	# of trees planted	<ul style="list-style-type: none"> ● Tree nurseries establishment and operation ● Seedlings distribution ● Farmer field school operation ● Incentivized tree-planting ● Woodlot establishment and maintenance ● Tree marking ● Establishment of fruit orchards