



ENVIRONMENT OVERVIEW

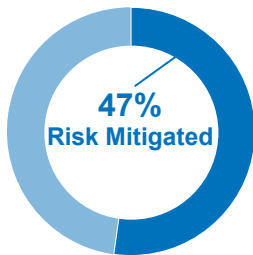
Objective 1: Environment and natural resources protected and restored and green livelihoods promoted using a catchment-based approach

The Office of the Prime Minister and partners have declared environmental protection and restoration a major priority and key humanitarian-development nexus issue in the Uganda Refugee Response. Partners including each refugee-housing District Local Government, are supporting implementation and joint monitoring of environment sensitisation campaigns, catchment management, wetland demarcation and restoration, tree-marking, tree nursery operations, tree growing and maintenance and green livelihoods such as beekeeping, farmer-managed natural regeneration, agroforestry, value-addition of non-wood forest products such as shea nuts and fruits among other activities.

In 2019, the Ministry of Water and Environment formed a Refugee Response Sub-Group to steer the development of a sector-wide response plan that will guide a longer term development approach to the response. The National Forestry Authority also joined the response and is currently restoring 700 hectares of Central Forest Reserves adjacent to refugee settlements including 3 new bamboo nurseries and plantations while supporting scale-up of local and regional nurseries to produce over 8 million assorted species of seedlings to refugee and host communities by next year. A strong emphasis is being placed on tree survival after planting by using a community demand driven approach to species selection and cash for work for planting and maintenance.

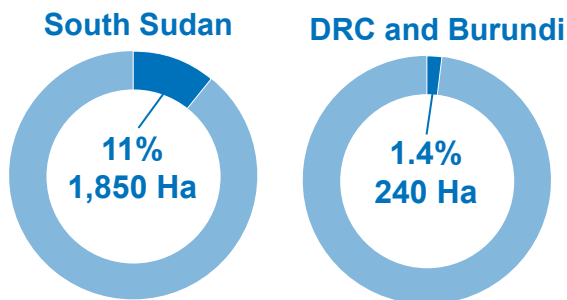
KEY PERFORMANCE INDICATORS AND ACTIVITY OUTPUTS

Extent environmental risks associated with the operation are mitigated



- Over **100** environment awareness sessions & **10** Radio Shows
- 3** District Forest Resource Management Plans in development
- 5** Settlements with Environment and Social Impact Assessments
- 4** Settlements with active Environment Protection Committees
- 3** Commemorations: Uganda Water & Environment Week, World Environment Day, World Refugee Day Environment Protection Theme

Hectares of forests, wetlands, shorelines protected and restored



Total Target: 30,804 ha (0.1ha/HH)

- 2.3** Million assorted seedlings planted (~1,111 trees per hectare)
- 1,940** Refugees and hosts engaged through cash for work
- 3** Community-Based Organizations supported
- 25** Tree nurseries supported **24** nursery operators trained
- 2** New solar irrigation systems installed for nurseries
- 40,000** Trees marked for protection

Multi-year Humanitarian-Development Projects & Relevant Strategies:

- National REDD+ Strategy, National Bamboo Development Strategy, NDP III
- World Bank DRDIP, IWRM, Albertine-Graben Forest Landscapes Project
- FAO/SIDA Climate Resilient Livelihoods for Women Economic Empowerment in West Nile and Karamoja Regions of Uganda
- SIDA - Mutual and Inter-related Resilience Programme (Kyangwali)



ENERGY OVERVIEW

Objective 2: Access to sufficient and sustainable basic energy services for lighting, power and cooking increased and carbon emissions abated

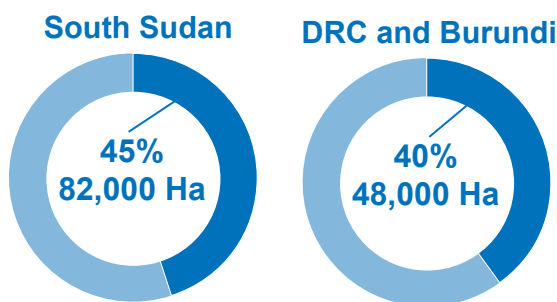
Insufficient safe access to sustainable energy is a major protection risk for refugees and host communities leading to health issues from smoke inhalation, malnutrition, exposure to sexual and gender-based violence while collecting firewood, forest degradation from over-harvesting biomass and threats to peaceful co-existence.

Efforts are being made to increase access for rural and urban refugees especially through skills training for construction of energy-saving stoves, heat-retaining cooking baskets and briquette production as income generating activities. All reception centres now have access to energy-efficient institutional stoves to reduce demand for firewood in cooking hot meals for thousands of new arrivals each year. In schools, bio-digesters and institutional stoves are being installed and over 100 eco-clubs are being supported across the response. As of mid-year reporting in 2019, over 10000 energy-saving stoves were accessed by refugee and host community households in addition to the 40% of refugee households already using these stoves.

The WorkGrEEen has drafted a Guiding Principles for partners to engage in household energy interventions that promote 1) Self-Reliance and Empowerment 2) Access to Quality Products 3) Ensure Coordination and Coherence. The Ministry of Energy and Mineral Development with support from GIZ will undertake the development of a Sustainable Energy Response Plan.

KEY PERFORMANCE INDICATORS AND ACTIVITY OUTPUTS

Access to Energy-Saving Equipment



- 1,000 additional HH accessed energy-saving stoves (15 biogas)
- 200 HH accessed to cooking bags/baskets
- 50 groups trained in energy tech
- 135,000 kg briquettes accessed
- 7 urban refugee groups engaged in establishing energy kiosks
- 67 urban refugee women trained in fabricating cooking baskets

Institutions Using Sustainable Energy

Institutions fit-up with stoves

41

Solar street lights installed

160

There is ongoing mapping of street lighting needs

SCC/USADF Start-up Grants Awarded

Solar Today (Kamwenge)

- Solar Products Business

Power Trust Uganda (Kiryandongo)

- Solar Products Business Hub

AGA Great Works (Yumbe)

- Solar Mini-Grid

Raising Gabdho Foundation (Yumbe)

- Solar Mini-Grid
- Sustainable HH Energy

Humanitarian & Development Nexus Projects

- Power Africa/USAID - Smart Communities Coalition
- GIZ Energy Solutions for Displacement Settings (ESDS)
- GIZ Energising Development (EnDev)
- World Bank Energy Access Scale-Up



E&E Funding required (2019) \$ 59M

E&E Funding received (2019) \$ 5M



50 Partners



INSTITUTIONAL STRENGTHENING OVERVIEW

Objective 3: Energy, environment and climate action programming and coordination strengthened and mainstreamed across all sectors.



Coordination

- 1** MWE SWG Refugee Sub-Group established and response plan drafted
 - 7** National Working Group for E&E Meetings & 11 District-level E&E working groups
 - 1** Mid-Year Review Workshop
- E&E Issues included in upcoming assessments: FSNA, VENA, PSN Verification



Water, Sanitation & Hygiene

- 31%** Water pumped (**6,061,000** L/d) through renewable energy
 - Ongoing solarisation and grid densification ongoing at 4 sites
- 4** New Waste Management Facilities established
 - Waste management strategies to be developed for all settlements



Shelter, Settlement & NFI

- 954** Individuals trained and engaged in sustainable construction
- 4** Settlement site plans updated with protected areas and woodlots
- 8,616** Solar lanterns with phone charging provided
 - Number of poles provided per HH to new arrivals increased



Education

- 104** Eco-clubs supported
- 32** Institutional Stoves installed in schools (including **2** biogas systems)
- 35** Schools supported with woodlots



Health & Nutrition

- 33%** of Health Facilities have no incinerator for medical waste management
- 30%** of Health Facilities have no source of power (**4%** HC III and **26%** HC II)
- 6%** of Health Facilities are connected to the grid
- 60%** of Health Facilities have access to solar power (**36%** are solar only)
- 30%** of Health Facilities use diesel generators (**7%** are generator only)



Livelihoods & Resilience

Promotion of Green Livelihoods (Individuals trained)

- 1,003** Farmer-managed natural generation
- 464** Apiary and provision of 50 beehives provide
- 54** Agroforestry
- 24** Tree nursery operators Abi Zonal Agricultural Research and Development Institute



Protection

- 3** Settlements mainstreaming energy in SGBV Awareness sessions
- 31** Solarisation of registration sites (ongoing)

Operational Presence

Yumbe

Caritas, DCA-RGF*, DLG*, FAO, RGF, SCC, UNDP, WVI, WFP, ZOA

Koboko

DLG*, HADS*, WFP

Arua

CARE, DCA, DLG*, GIZ, IAS, ICRAF, OXFAM, RICE-WN*, UNDP, UNICEF, URCS, WFP, WVI, ZOA

Kikuube

ANCHOR, DLG*, FAO, NFA, RGF, WFP

Kyegegwa

ACTED, BuildMe, CARE/JESE, DLG*, DRC-KRC*, SP

Kamwenge

DLG*, LWF-HADS*, SCC

Isingiro

DLG*, Nsamizi*, WFP

Moyo

DLG*, LWF*, NFA*

Lamwo

DLG*, LWF*, NFA*

Adjumani

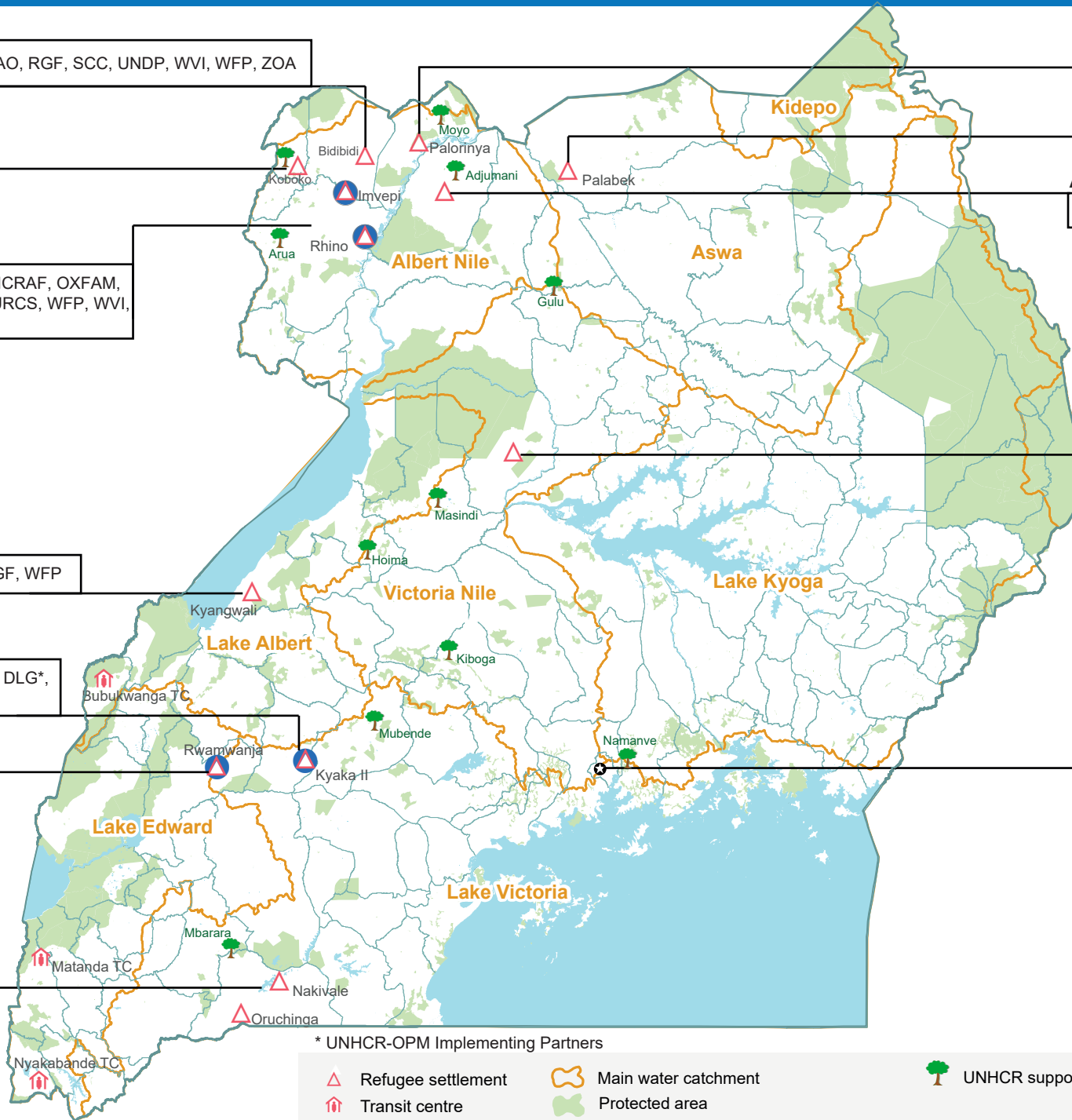
DLG*, DRC*, HAM, LWF*

Kiryandongo

DLG*, DRC*, SCC

Kampala

DCA-RGF*, NFA*, UNDP



* UNHCR-OPM Implementing Partners

- Refugee settlement
- Transit centre
- Capital city
- District boundary

- Main water catchment
- Protected area
- Refugee settlement whose site plans are updated with protected areas and Woodlots

UNHCR supported NFA nurseries