ENVIRONMENT AND ENERGY WORKING GROUP

PRESENTATION ON LWF ENERGY AND ENVIRONMENT PROGRAMMING

Venue: LWF Kampala
Date: 17/04/2018
Areas of operation

Humanitarian
• Rwamwanja settlement
• Adjuman settlements
• Palorinya settlement
• Palabek settlement
• Kyangwali (recent)

Development
• Kitgum
• Lamwo
• Pader
• Agago
• Luuka
<table>
<thead>
<tr>
<th>Sub-program</th>
<th>Projects/donors</th>
<th>Key interventions/ target</th>
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| Kamwenge    | 1. Bread for the World (Bftw) – 2018 – 2020  
2. BPRM (2016-2018) | - 320,000 Tree seedlings planted  
- 6 community nurseries established (2 in the host, 4 in the settlement), each with capacity of 200,000 seedlings per season  
- 10 groups supported to produce and sale briquettes. On average each group is selling 1ton per week  
- 10 Groups supported to construct Rocket Lorena for the community |
| Adjuman     | 1. UNHCR (annual)  
2. Bftw        | - 120 farmer groups supported to construct and sale energy saving stoves  
- 3 Tree Nursery Sites established |
### Snapshot of environmental interventions across the country program

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<th>District</th>
<th>Projects/donors</th>
<th>Key interventions/ target</th>
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- 2 Central Tree Nursery established to raise indigenous tree seedlings.  
- Over 3million tree seedlings planted with coverage of 2,400Ha of woodlots.  
- 35,000HHs accessed energy saving stoves through Stove Artisans  
- 28,000HHs accessed solar units for lighting  
- 8 Eco-entrepreneurs Association established for Shea nut and apiary farmers.  
- Integration of apiary in the greenbelts (5 groups established) |
| Moyo              | UNHCR                                                | Briquette making Tree planting                                                                                                                             |
Key Implementation Approaches

Market Based Approach

- Increased supply of renewable energy products (stoves, briquettes, solar, seedlings, etc)
- Sustainable access to renewable energy products
- Enhanced development of the green economy

Value Chain Development Approach

- Monetary value to natural resources
- Motivation of natural resource management committees/individual.
- Increased enforcement of natural resource policies, norms, and laws.
DATA MANAGEMENT FOR LWF ENVIRONMENTAL INITIATIVES

(REFUGEE & HOST COMMUNITIES)
DIGITIZATION & DATA MANAGEMENT

Overtime LWF data management has evolved adopting digitalization and handling masses of data

Significance of digitalization

- Data validation controls
- Timely data collection
- Timely analyses & reporting
- Massive data collection
- Massive data mgt
- Performance mgt
- Online access to data
- Beneficiary mapping
- Reduced burden & cost of multiple monitoring tools
- Reduced carbon footprint

Digitalized tools (Software; enabling massive offline & online data collection)

Infrastructures (Enabling swift data collection)

Clean data for information: Maps & location, Photographs, Videos, Reports, etc.

Centralized data movement
Online data collection & management comes in handy (using Kobo Toolbox)

- Collect unlimited data both online and offline
- Collect many formats of data; photos, integers, letters etc.
- Generate automated reports (well customized)
- Maintain online gallery
- Have quick access to basic maps for GIS
- Shapefiles can be extracted to feed in to ArcGIS online for more comprehensive maps (https://arcg.is/0va0vb)
- Develop as many tools as may be required for easier monitoring
KEY ENVIRONMENT INDICATORS MONITORED/ASSESSED

- Survival rate
- Acreage established
- Management Practices
- Rising environmental issues
- Improved cook stove production by Artisans
- HH stove access & usage
- Savings on energy
- Kilo wattage
- Legal & institutional framework on environmental conservation
DATA COLLECTION TOOLS

- Offline routine monitoring tools (available on request)

All tools being used by the project had to be digitized for environmental purpose i.e. reduce the org carbon footprint (walk the talk); some tools:

- [https://ee.humanitarianresponse.info/preview/::YHHW](https://ee.humanitarianresponse.info/preview/::YHHW) Stove acquisition
- [https://ee.humanitarianresponse.info/preview/::YHH4](https://ee.humanitarianresponse.info/preview/::YHH4) Woodlot monitoring
- [https://ee.humanitarianresponse.info/preview/::YHH3](https://ee.humanitarianresponse.info/preview/::YHH3) Artisan Production
- [https://ee.humanitarianresponse.info/preview/::YHH3](https://ee.humanitarianresponse.info/preview/::YHH3) LECs Activities
Barriers/ challenges of digitalization:

- Capacity gaps
- Requires internet access to; capture GPS coordinates, data submission by field staff, data retrieval and analysis
- Risk of system breakdown
- High initial investment (smart phones/ tabs for data collectors)
THANK YOU!