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THE
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FEDERATION

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



Snapshot of LWF environmental interventions across the country program

Sub-program	Projects/ donors	Key interventions/ target
Kamwenge	<ol style="list-style-type: none"> 1. Bread for the World (Bftw) – 2018 – 2020 2. BPRM (2016-2018) 	<ul style="list-style-type: none"> - 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	<ol style="list-style-type: none"> 1. UNHCR (annual) 2. Bftw 	<ul style="list-style-type: none"> - 120farmer groups supported to construct and sale energy saving stoves - 3 Tree Nursery Sites established

Snapshot of environmental interventions across the country program

District	Projects/ donors	Key interventions/ target
Kitgum, Lamwo, Agago, Pader	Energy Facility, EU (2014 – 2019) Shea nut project – EU (2018- 2021) UNHCR (Annual)	<ul style="list-style-type: none"> - 30 Tree Nursery Operators supported - 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.



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DATA MANAGEMENT FOR LWF ENVIRONMENTAL INITIATIVES

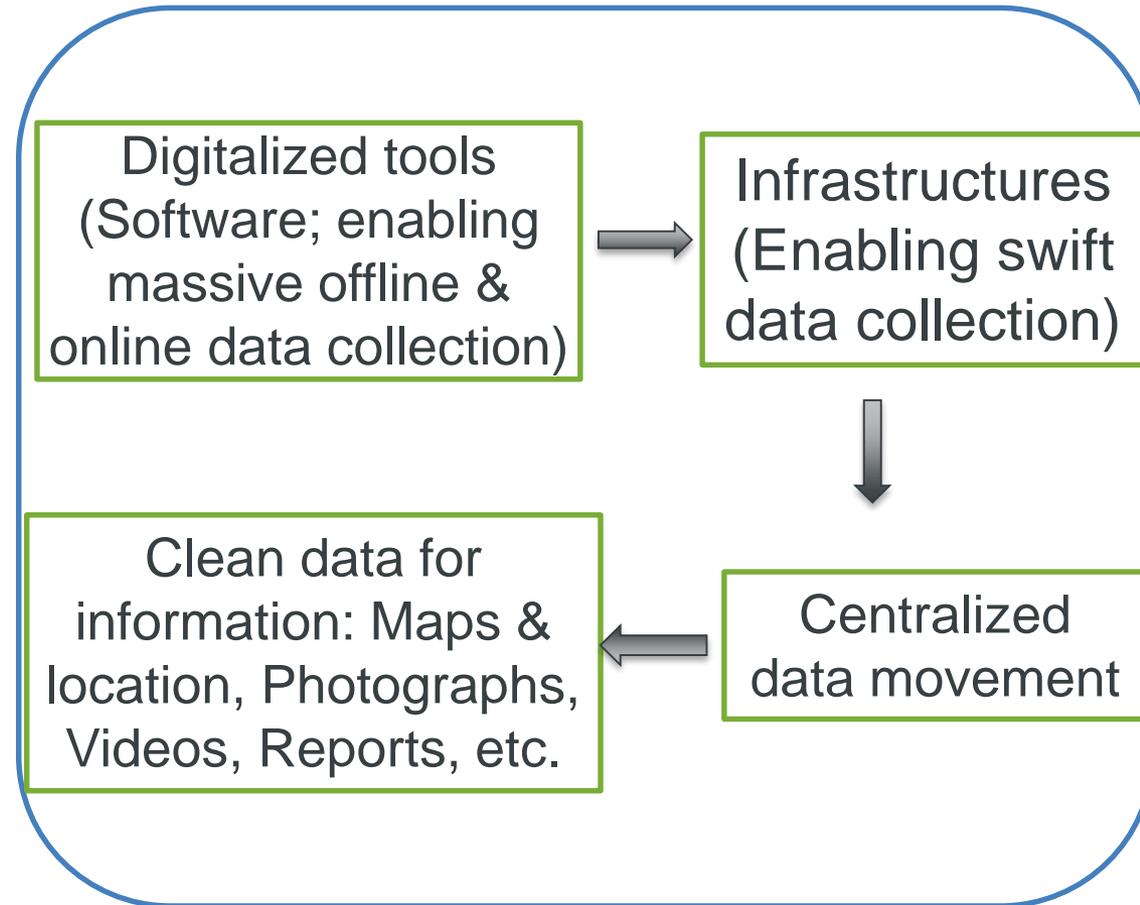
(REFUGEE & HOST COMMUNITIES)

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



DIGITIZATION & DATA MGT, Contn.

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> Stove acquisition
- <https://ee.humanitarianresponse.info/preview/::YHH4> Woodlot monitoring
- <https://ee.humanitarianresponse.info/preview/::YHH3> Artisan Production
- <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!



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