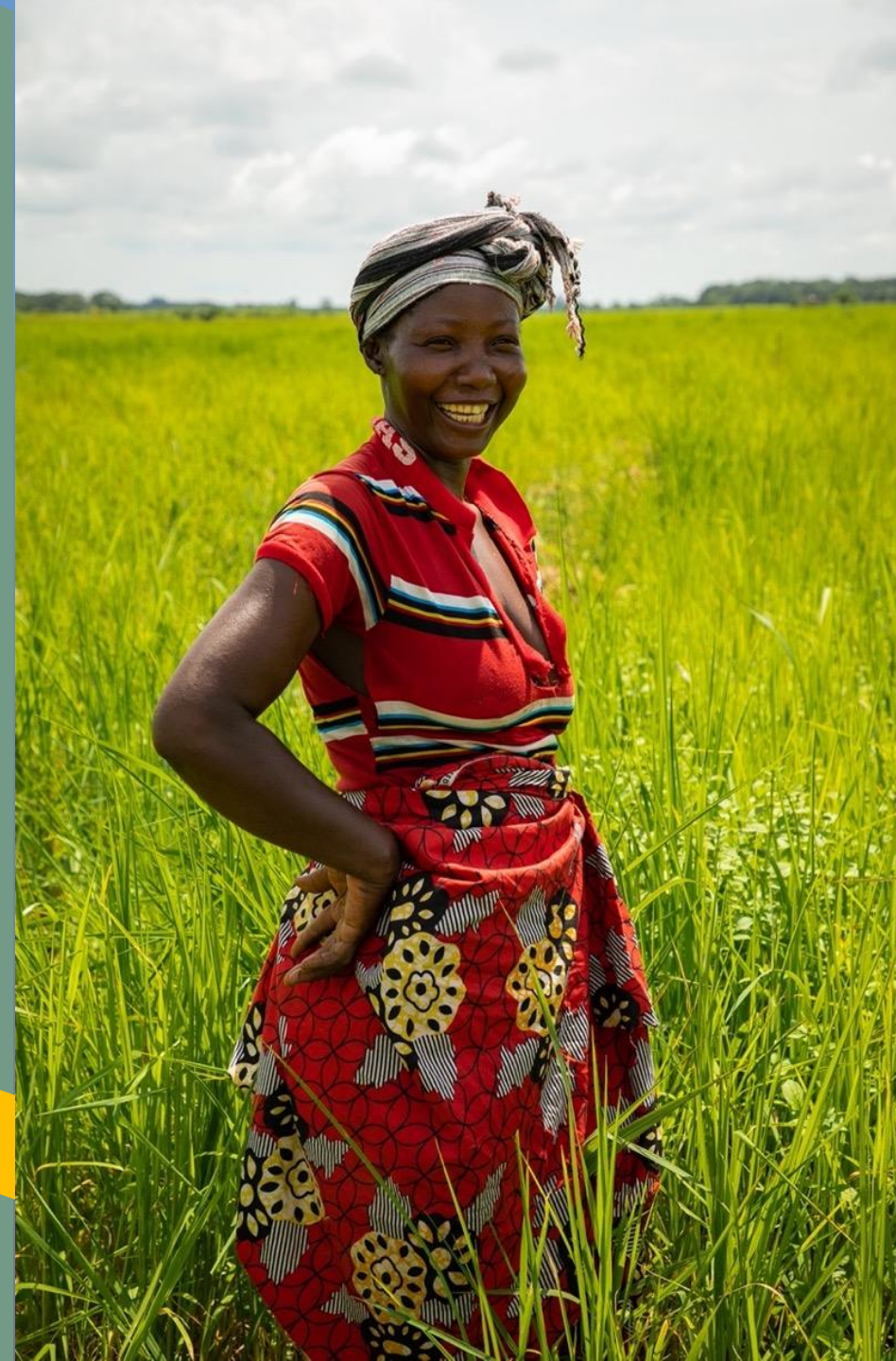
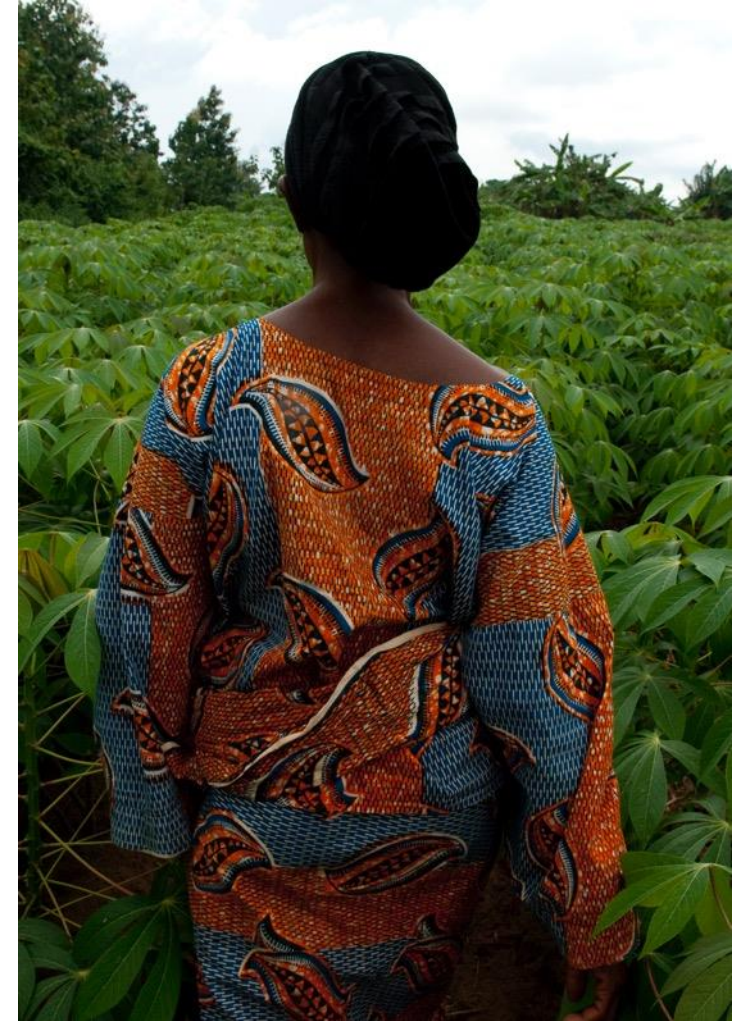


Green and Digital Public Works in Sierra Leone



CONTENT

- Public works under Productive Social Safety Net and Youth Employment
- Overview and progress of Tree Planting Subproject
- Overview of Activities Supported Under the Digital Public Works, focusing on Tree Tracking
- Challenges and Lessons Learnt
- Annex: Overview and progress of Garbage Collection Subproject



Component 2 of the PSSNYE Project: Public Works and Life Skills Support for Youth

Subcomponent 2A:

Provision of Sustainable Cash for Work in Rural Areas

Subprojects

- **Rehabilitation and maintenance of rural feeder roads**
- **Diversification of crops**
- **Climate Change mitigation and adaptation**

Subcomponent 2B:

Provision of Green Public Works (GPW) in Urban Areas

Subprojects

- **Tree Planting**
- **Garbage Collection**

Subcomponent 2C:

Digital Public Works (DPW) in Urban Areas

Subprojects

- **Digital Tree Tracking**
- **Disaster Risk Management Data Collection**
- **Heat Mapping**

Tree Planting Overview and Progress

Selection of Communities

- Assessments including transect walks were conducted by the Freetown City Council (FCC) in the 13 catchment areas in Freetown that were identified in need of reforestation by the 2018 World Bank Multi-cities Hazards Report.
- 11 out of the 13 catchment areas were targeted for the tree planting subproject. These locations are among the climate-vulnerable areas and host many community dams that serve as major water sources for the city and local communities.

Beneficiary Targeting Within Selected Communities

- Beneficiary quotas per community are allocated based on number of planting areas and available space for tree planting.
- Target beneficiaries include unskilled youth, women, and persons with disabilities aged 18-35 from poor and vulnerable households, residing in the selected communities.
- The targeting included self-selection and proxy-means test for prelisted beneficiaries.

Training of Beneficiaries

- Beneficiaries were trained in the following modules:
 - Tree planting operations and types of tree species.
 - Tree tracking and maintenance and care.
 - Health and safety precautions.
 - Gender-based Violence issues.
 - Grievance Redress Mechanism.

Tree Planting Overview and Progress Contd.

Execution of works

Tree Planting and Maintenance Workers

250,000 trees were planted across the 11 catchment areas

A total of **200** planting and maintenance workers were enrolled in Phase 1 to plant and maintain (weeding and watering) trees.

Daily Workers During Tree Planting

200 daily workers were enrolled across 11 catchment for phase 1 to provide support at sites during the planting stage.

Oversight by Community Oversight Committees (COC)

Each tree grower is supervised by COC members in the field to ensure attendance.

A total **110 COC members** were enrolled.



Tree Planting Overview and Progress Contd.

Payment of Beneficiaries

- The COC members digitally record beneficiary attendance on a daily basis on electronic timesheets which is uploaded onto the MIS by the National Commission for Social Action (NaCSA).
- NaCSA sends payment order to the payment service provider for processing and digital payment of beneficiaries through mobile money.

Subproject Activity	Days per youth	Wages per Day (USD)	Total Payment per Person
Daily Workers	15	\$3	\$45
Tree Planting and Maintenance Workers	48	\$3	\$144
Community Oversight Committee Members	48	\$3	\$144

Overview of Activities Supported Under the DPW

Tree Tracking

- Each of the trees planted under Sub-component 2B will be tagged with a physical unique serial number containing information about the catchment, species and serial number.
- To track the tree using the Greenstand Tree Tracker Application, beneficiaries will fill in the tagged information on the tree, take a geo-coordinate and photo of the tree and save the information on the device.
- All information collected on the devices will be synced into a platform using mobile data that will be provided to beneficiaries.
- Beneficiaries will be paid based on the number of assigned trees tracked.
- Beneficiaries are expected to track a total of 763 trees each to receive the cumulative payment of \$400 over the task period of 1 year.
- Workers who submit 0-60% of acceptable tasks will receive no bonus and will be put under review for supervisors to help them improve.
- A level of acceptable tasks between 60% and 100% will grant people an additional 20% payment per day.

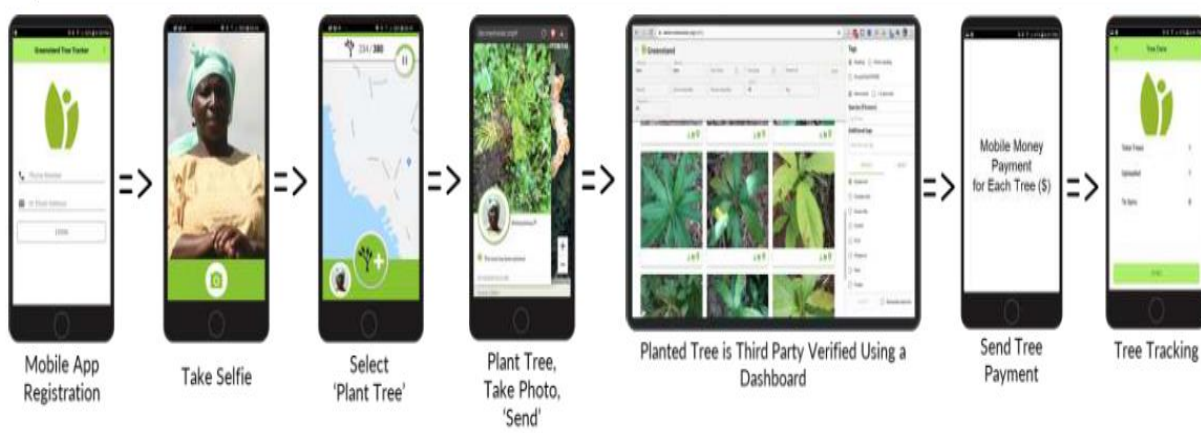
Disaster Risk Management (DRM) Data Collection

- DRM data gap analysis through stakeholder engagement sessions will be held to determine gaps and information needs among key players in DRM in Freetown to inform shock response.
- Digitization of records relating to historical climate disaster events and previously non-digital information on past floods.

Heat Mapping

- Temperature sensors will be used by beneficiaries to record temperatures in selected areas three times a day.

Tree tracking Platform



Tree Monitoring Dashboard

Greenstand

- Home
- Verify
- Captures
- Capture Matching
- Earnings
- Payments
- Growers
- Account
- Inbox



Version: 1.107.18

Last updated about 1 month ago

All

Growers

980
Total

FCCYAR	212
FCCFED	200
FCCEIC	87

SEE MORE

Captures

1,517,301
Total

FCCFED	418,014
FCCYAR	337,863
FCCEIC	152,477

SEE MORE

Trees

443,025
Total

Unverified Captures

299
Total

FCC	227
FCCYAI	50
FCCANS	20

Top Growers

1,549
Average

Franklyn Oliver Sesay	9,382
Lamin Sesay	9,110
Dauida Yamba	7,669

Species

32
Count

Rhizophora mucronata (Red Mangrove)	58,994
MANGINDI (Mango)	44,362

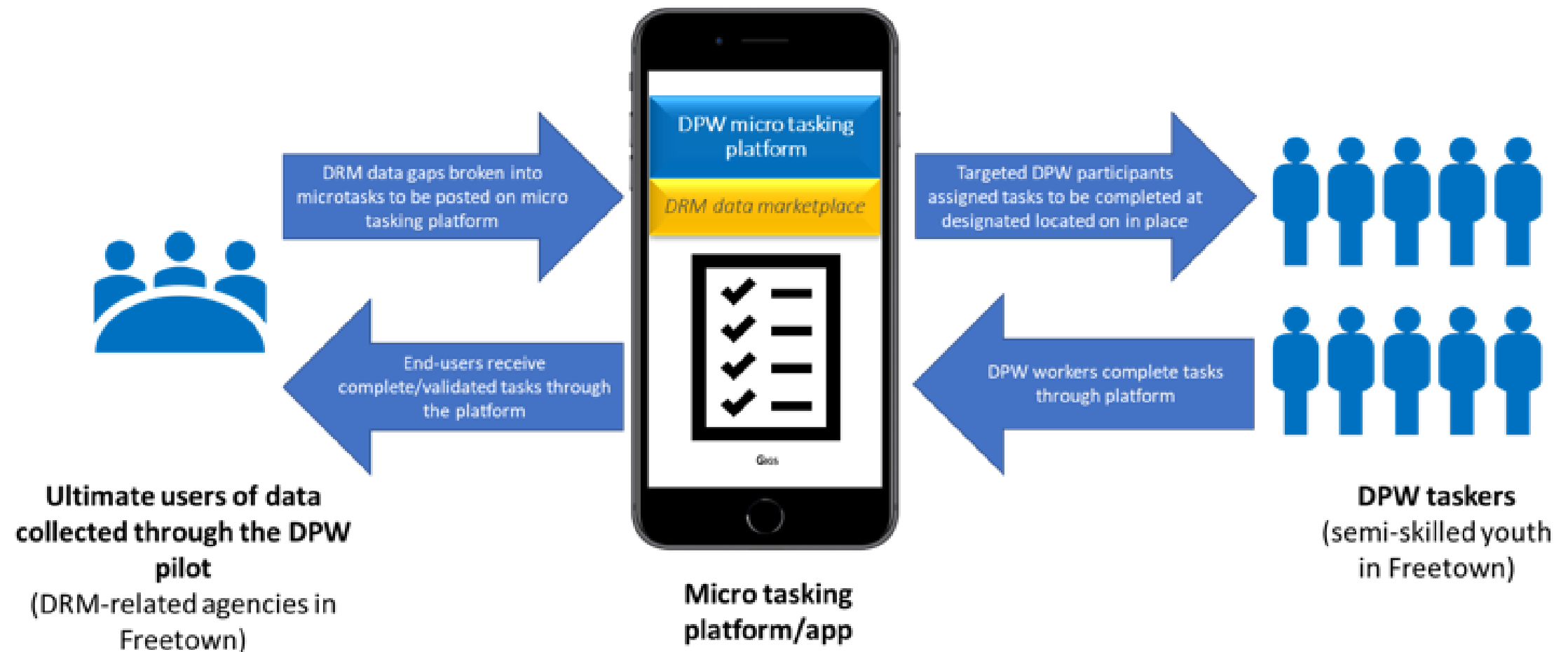


SPJ CLASS

CORE LEARNING ACADEMY & SOLUTIONS SERVICES

EQUITY, RESILIENCE & OPPORTUNITY

For remaining sub-projects and activities under the DPW, a firm is currently being recruited to design a micro-tasking platform



Challenges and Lessons Learnt

- Land availability and acquisition for tree planting
- Water availability for the watering of trees was a challenge in some catchment areas
- Limited ownership of phones by target youth beneficiaries for digital payments. This has resulted in high amount of GRM cases related to payments
- Limited manpower within NaCSA to monitor ESF compliance by implementing partners of the public works sub-components



THANK YOU

ANNEX

Garbage Collection Subproject Overview and Progress

Selection of Areas

- 110 main streets, 20 markets, and 10 parks across the 48 wards of Freetown were selected for daily cleaning. These areas houses schools, hospitals and other social infrastructures such as stormwater drainages which contribute to flooding in the city. Some of these areas are also slums with high levels of poverty and sanitation challenges.

Beneficiary Targeting Within Selected Communities

- Beneficiary quotas per community are allocated
- Target beneficiaries include unskilled youth, women, and persons with disabilities aged 18-35 from poor and vulnerable households, residing in the selected communities.
- The targeting included self-selection and proxy-means test for prelisted beneficiaries.
- Out of 1,300 prelisted beneficiaries, 959 were enrolled of which 55% are female for phase 1.

Execution of Works

- Youth groups will be assigned to a location (group of streets) to work for 5 days a week for a period of 120 days.
- They are responsible for cleaning, clearing, and disposing of the waste at legal dumpsites and clearing of illegal dumpsites within their assigned locations.
- The collection of waste will be aided by tricycles provided by the project.
- Youth groups will be required to work for a period of 8 hours between 7:00 a.m. and 5:00 p.m. daily.