Regreening Africa: Inclusive and Evidence-Based Approaches to Accelerating Land Restoration in Rwanda

Country Programme Successes

**Presented by
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World Vision Rwanda**

Presentation outline

Context

➢ Rwanda is a densely populated country (415 inh/Km2, NISR 2012).

➢ Population relies heavily on natural resources for their livelihoods

  → high pressure on limited natural resources

  →deforestation,

  →loss of biodiversity

  →decline in crop and livestock productivity

  →food insecurity and malnutrition.

➢ Prolonged droughts in Eastern Province have increased the farmers' vulnerability

➢ Increasing trees on farms contributes to land restoration, biodiversity conservation and sustainable agriculture.

Vegetation dynamics: Kayonza 1990, 2000, 2017 baseline

Population points

Erosion (%) – 2017

Fractional vegetation cover (%)

- 0
- 25
- 50
- 75
- 100

www.regreeningafrica.com
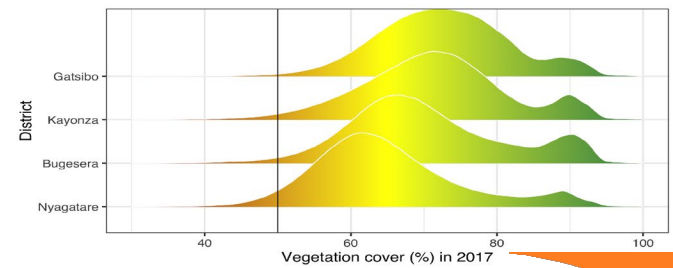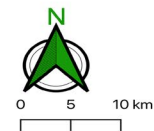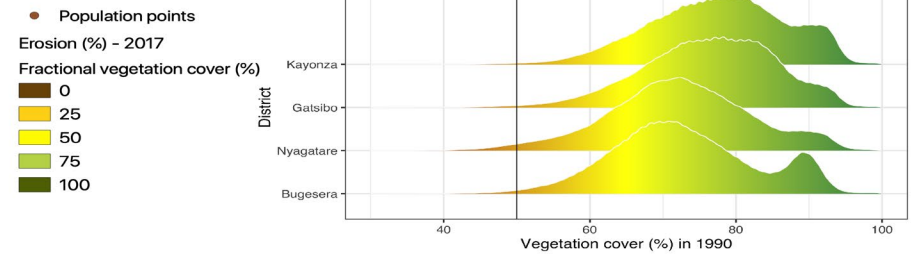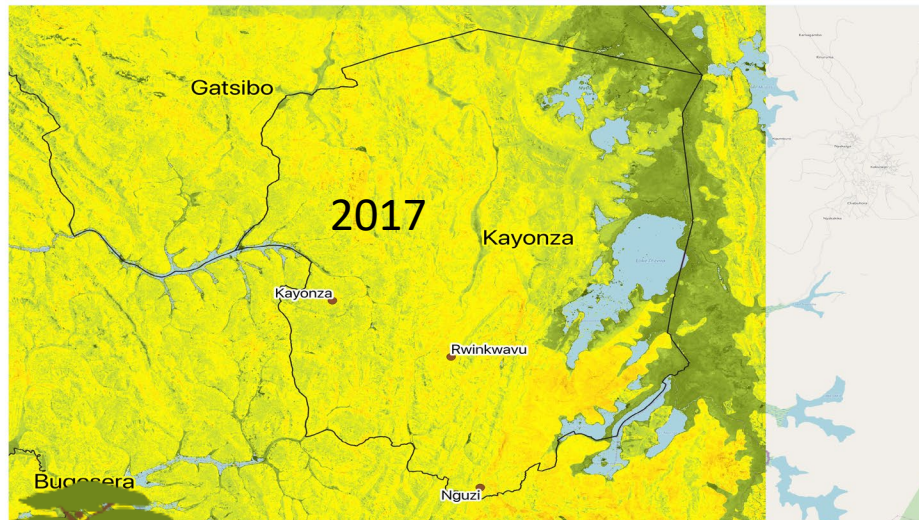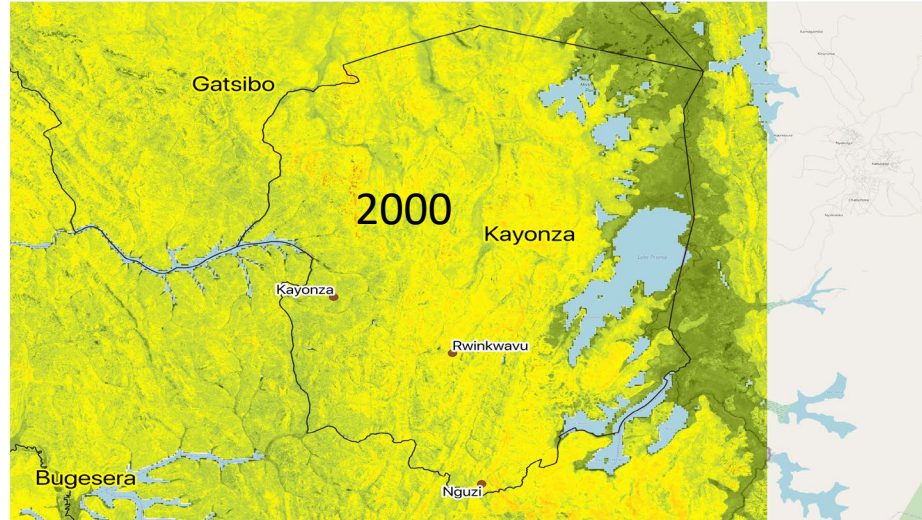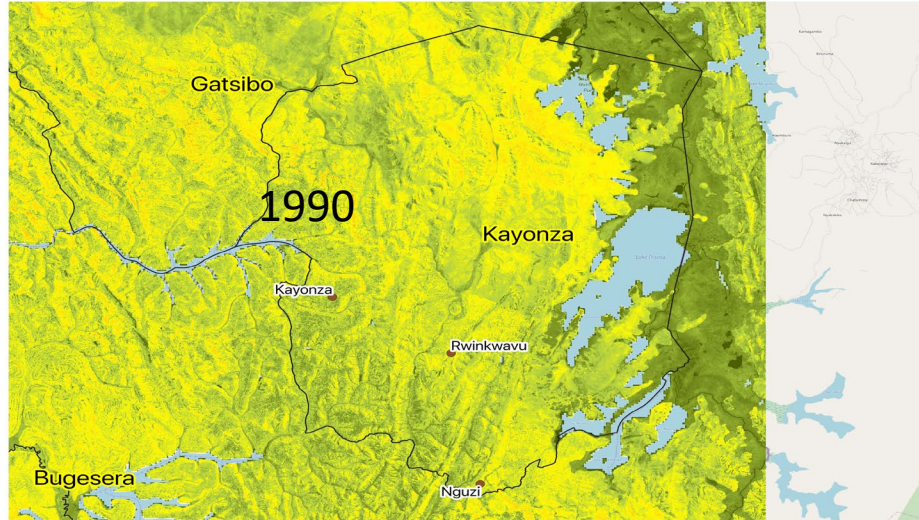
Regreening Africa

A five-year (2017-2022) project funded by the European Union that seeks to reverse land degradation

➢ **Goal:** To improve livelihoods, food and nutritional security, resilience to climate change, and to restore ecosystem services, through evergreen agriculture.

Location
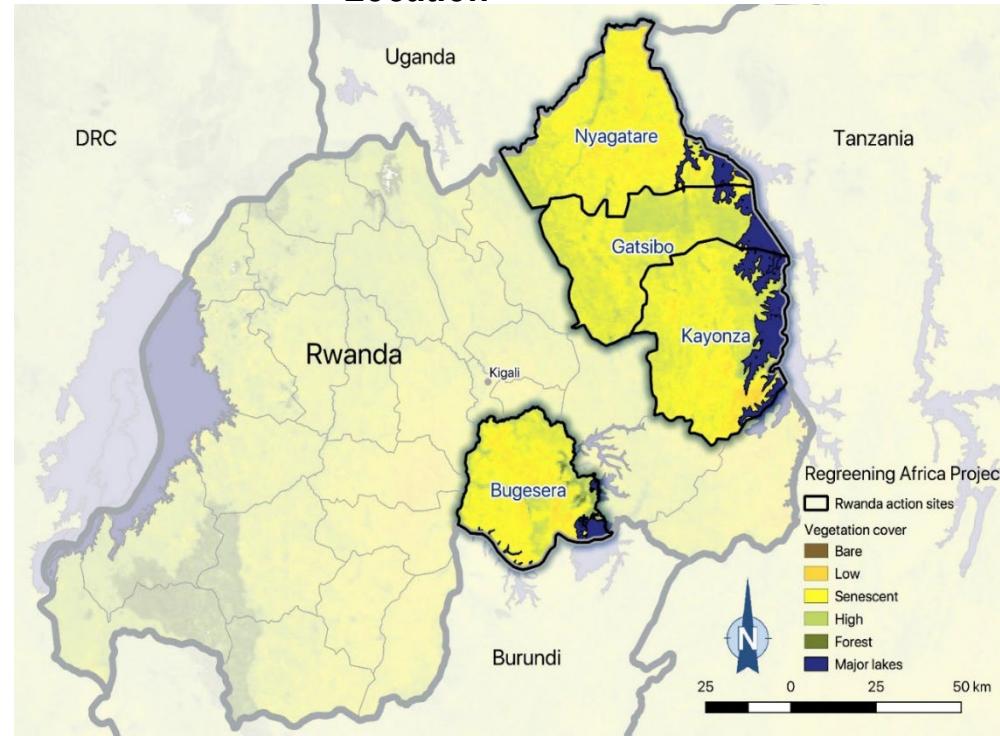
Local targets

➢ 70,000 Households

➢ 100,000 Hectares

Expected results:

➢ Increase in tree density and diversity.

➢ Increase fruit trees in the landscape

➢ Increased awareness on land degradation and restoration measures

Project implementation and partners

MoE, MINAGRI, MINALOC

National Oversight & Coordination Committee (NOCC)

RFA, EUD, MINAGRI, WVR, GIZ/ELD, ICRAF, Bugesera, Kayonza, Gatsibo,& Nyagatare districts

Direct implementers

- Local Government (Districts)
- **Farmer cooperative**
- **Churches**
- **Schools**

Funded by European Union

Regreening Africa

World Vision

World Agroforestry

ELD THE ECONOMICS OF LAND DEGRADATION

Achievements against country targets

Target Type	Country Target	Actual targets reached	Verification approach used
Directly facilitated—HHs	30800HH	26,378HH	Regreening App Uptake Survey
Directly facilitated—Ha.	52000Ha	75,627Ha	Regreening APP Records
Leverage—HHs	49,000HH	36540	Project monitoring data
Leverage—Ha.	79,000 Ha	TBD	

Prominent regreening practices and niches

Practices	Niches	Purpose
Fertilizer trees	Boundary planting, contour hedges,	Improving soil fertility, Erosion control, Improving crop yields
Fodder trees/shrubs	Boundary planting, contour hedges	increase milk production and income generation
Woodlots	Individual plots	fuel wood, restoration of degraded soils, economic benefits
Timber	Boundary planting	Income generation
Silvopastoralism	Boundary and scattered planting	Livestock shade, fodder, timber, fire wood
FMNR	Scattered trees	Promoting indigenous species and management.Livestock shade, fodder, timber, fire wood, landscape restoration.
Fruit tree growing-	Home gardens, Orchards, Scattered in fields	Improving Nutrition, income generation, motivation

Summary of key activities implemented by the project

➢ Building partnerships

➢ Awareness creation, sensitization and Policy engagement

➢ Capacity building

➢ Land Degradation Surveillance Framework (LDSF)

➢ Tree seedlings production, distribution and planting

➢ Establishment of 3 Rural Resource Centers

➢ Extension through community lead farmers

➢ Saving for Transformation (S4T) groups

➢ Biomass incorporation

➢ Value chains

➢ Progress Monitoring

       -     Regreening App

       -     Development of the Rwanda dashboard

       -     Joint reflection and learning

       -     Impact assessment (Baseline, Uptake surveys, endline)

Building partnerships/collaborations

- 63 Farmer cooperatives/groups
- Districts of implementation
- Government

Ministries/Institutions

- Schools
- Faith based
- NOCC
- Lead Farmers

FOR AND ON BEHALF OF ....

By:

Name: GASANA Richard

Title: Mayor of Gatsibo District

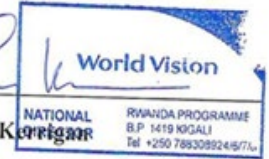Date: 09 l 02 l 2018

FOR AND ON BEHALF OF
World Vision Rwanda

By:

Name: Sean Kerrigan

Title: National Director

Date: 26 Feb 2018

Done at Kigali, on / /2018

For World Vision Rwanda

Mr. Sean Kerrigan FINANCE & SUPPORT SERVICES DIRECTOR
Country Director

.... Cooperative /group

...... A NIRWABASABA Jean ......

President

CC: Executive Secretary,............................Sector

Awareness creation, sensitization and Policy engagement

➢ Tree planting events
➢ Community radio communications
➢ Print media communications
➢ Engagements with schools
➢ Engagement in community works
➢ National Agroforestry Task Force

Capacity building activities

- **512 Lead farmers**
- **Over 1,250 Partner cooperative members**
- **Beneficiary farmers**

- **Project staff capacity building**
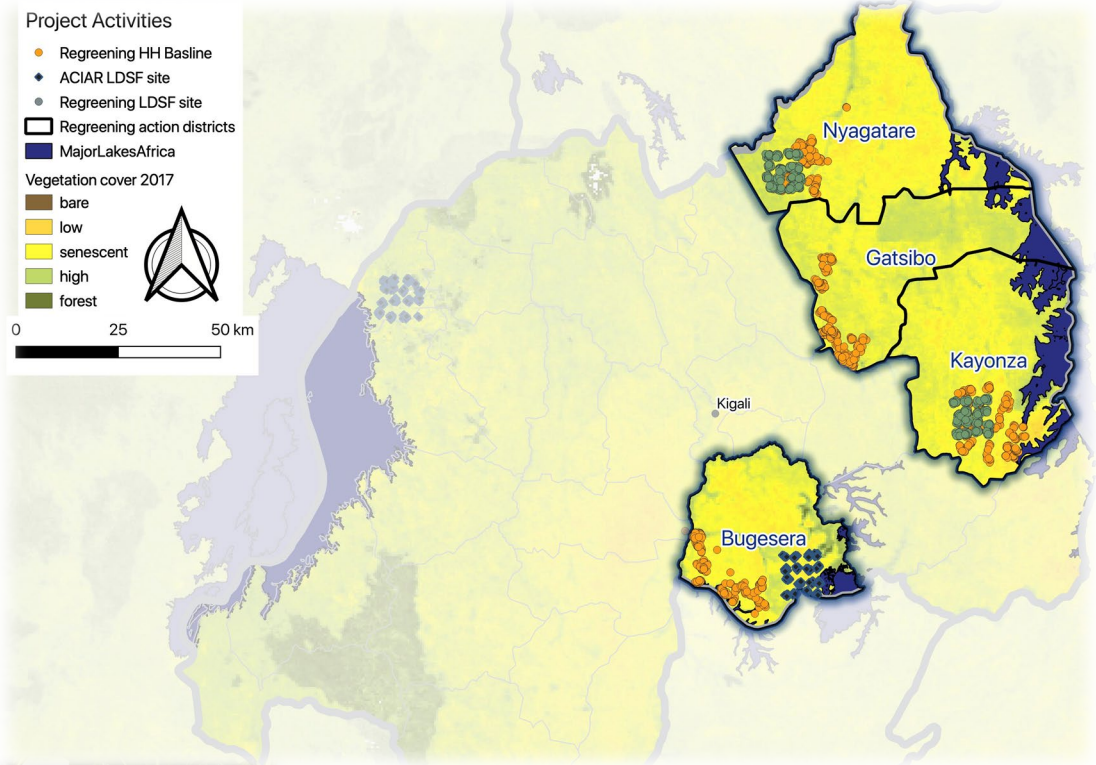- **Staff from partner institutions**
- **University Students**

- Agroforestry practices (tree planting & management)
- Tree nursery establishment and management
- FMNR
- Data collection
- Orchard management
- Tree disease and pests management and control
- Pasture management

- Tree grafting
- Data collection
- Beekeeping
- Biomass incorporation
- FMNR
- Gender and disability mainstreaming
- Tree seeds sourcing and handling
- Orchard management
- Business entrepreneurship (nurseries as a business)

Land Degradation Surveillance Framework (LDSF)

➢ Framework methodology, developed by World Agroforestry, is one of the largest land-health databases in the world,

➢ Provides a field protocol for measuring indicators of ecosystem health;

➢ vegetation cover, structure and floristic composition, historic land use, land degradation, soil characteristics, including soil organic carbon stocks for assessing mitigation potential and infiltration capacity,

➢ It also provides a monitoring framework to detect changes over time.
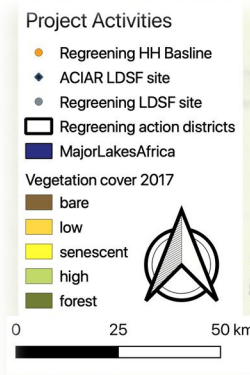
Project Activities
- Regreening HH Basline
- ACIAR LDSF site
- Regreening LDSF site
- Regreening action districts
- MajorLakesAfrica

Vegetation cover 2017
- bare
- low
- senescent
- high
- forest

0   25   50 km

Nyagatare

Gatsibo

Kayonza

Kigali

Bugesera

World Agroforestry

World Vision

Tree seedlings production, distribution and planting

- Through partnership with 63 farmer cooperatives/groups

Over 9,500,000 tree seedlings, including:

➢ Multi purpose trees 6,000,000 & Grafted and un-grafted fruit trees species 3,500,000.

- ✓ Ownership and sustainability
- ✓ improved farmers' knowledge of tree seedling production
- ✓ Job creation (2,691 earned season incomes from nursey management work (1373 Female/1318 Male) including 598 youth (330 female/ 268Male

Establishment of 3 Rural Resource Centers

- **Kayonza, Gatsibo and Nyagatare districts.**
  - ➤ Knowledge center
  - ➤ Source of quality planting materials
  - ➤ Business opportunities

Extension through community lead farmers

➢512 Lead farmers   lead farmers, (256 female and 256 male)

including 154 youth (77female/77male)

▪   Trained and facilitated to do scaling of regreening practices across their communities

Saving for Transformation (S4T) groups

- ➢ S4T groups to improve livelihoods
- ➢ Platform for awareness & scaling up Regreening practices

- ➢ 520 Savings groups formed

 with 13,638 members (9,530 Female & 4108 Male)
- ➢ The accumulated savings 111,783,190 RwF
- ➢ The total loans given out to members amount to 115,012,415 RwF

Biomass incorporation

➢ The project supports farmers to make more use of fertilizer trees through biomass incorporation.

➢ Over 200 participatory trials have been former across the project area.

➢ Farmers are adopting the practice

Value chain activities conducted, and products of focus

❑Priority VC crops

   ✓Fruit trees (tree tomatoes, Pawpaws)

❑Activities

   ✓Distribution of quality planting materials (grafted Mangoes, Avocado, pawpaw and tree tomatoes)

✓Supporting producers to come together

✓Training to producers including beekeepers

✓Market linkages

Youth and women participation

✓Female participation is higher in nursery activities

✓Youth (16 to 35 years) participate both in seedling production and tree planting.

✓Children participate from schools & during planting for their parents.

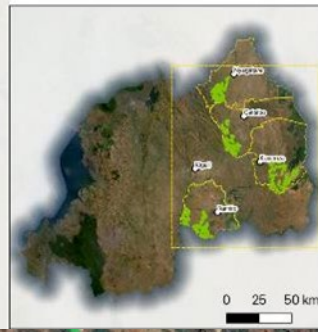✓There is a good number of youths who have established their own orchards

Progress monitoring and Impact Assessment

- ➢ Regreening Africa App
- ➢ Rwanda Dashboard
- ➢ Annual Joint Learning Reflection and Missions (JLRM)
- ➢ Project baseline, uptake ervys and end of project evaluation
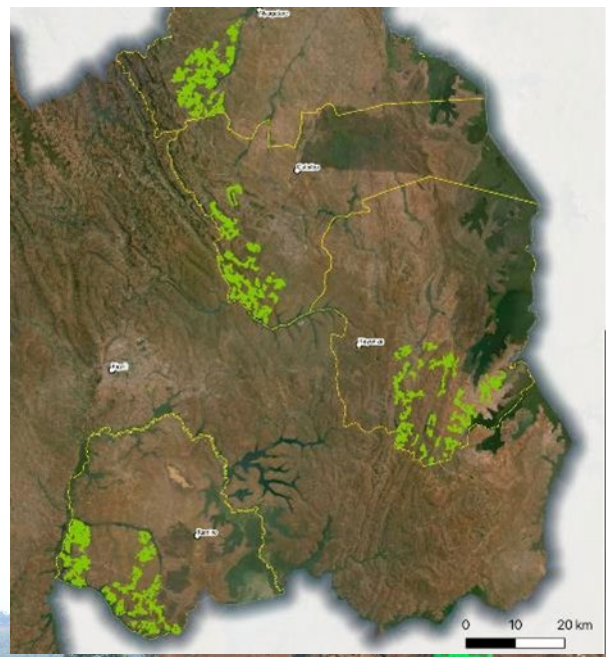
This work is a result of the commitment, dedication and strong support from all our partners and stakeholders we are grateful to your efforts

THANK YOU...

MURAKOZE
THANK YOU

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