Regreening Africa

Regreening Africa
Impacts and Lessons

30th March 2023

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Presenting the work of the entire Regreening Team

www.regreeningafrica.com

Funded by European Union

Landscape restoration provides multiple outcomes for biodiversity, climate adaptation and mitigation and livelihoods

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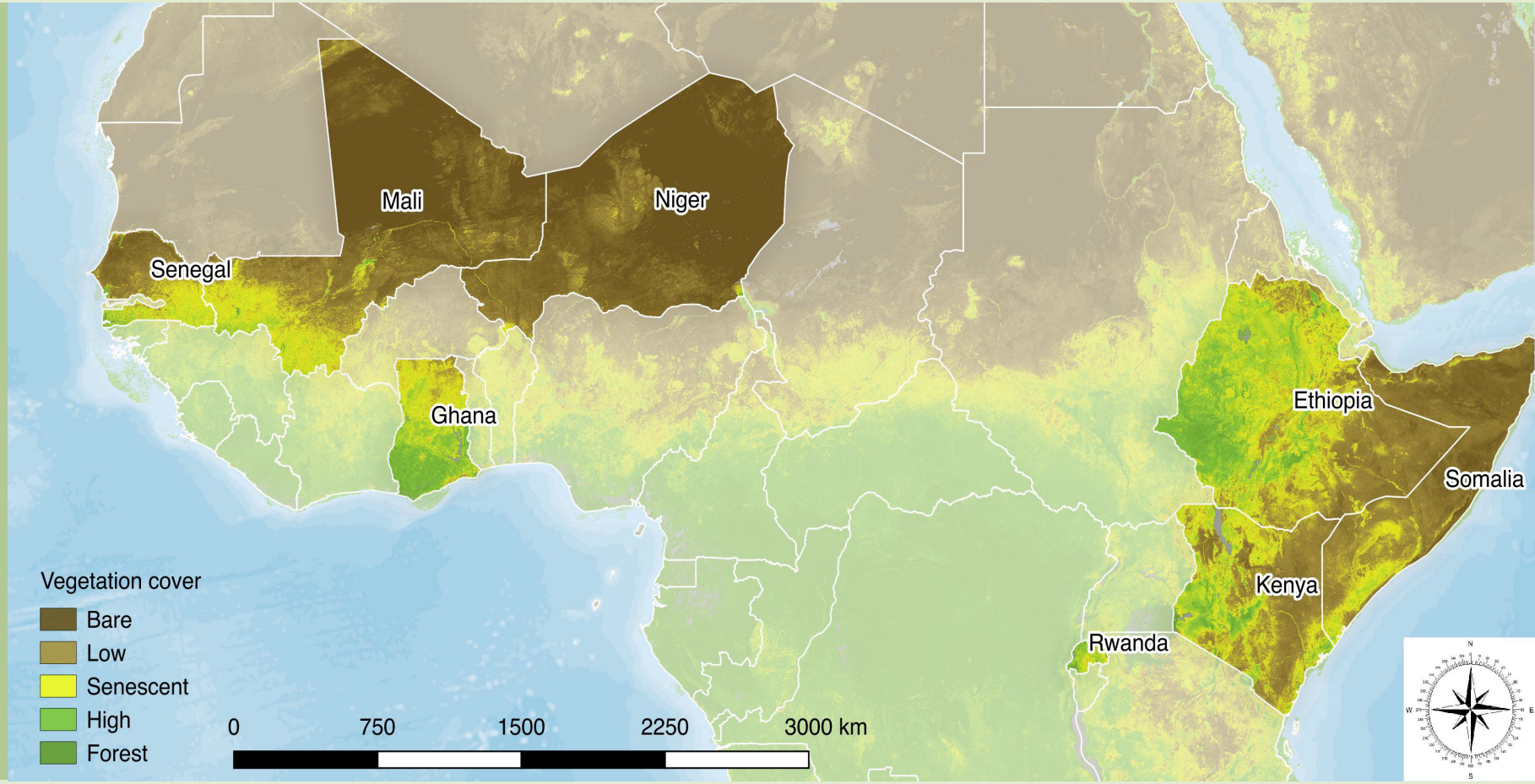
Restore 1 million hectares to improve the livelihoods, food security and resilience of 500,000 households

Incorporating trees into croplands, communal lands and pastoral areas with complimentary sustainable land management practices, value chains and policy



Funded by European Union

Achievement

500,000 **HHs:** target

540,000 **HHs:** reached to date

207,800 **HHs:** through leveraging – to be verified

160,600 **HHs:** uptake verified through surveys

(on average 83% of direct target in 4 years)

1,000,000 **Ha:** target

905,000 **Ha:** confirmed reached to date (to increase)

467,800 **Ha:** through leveraging – to be verified

222,400 **Ha:** uptake verified through surveys

(on average 61% of direct target in 4 years)

Estimated 59 Euro/hectare in first 4 years

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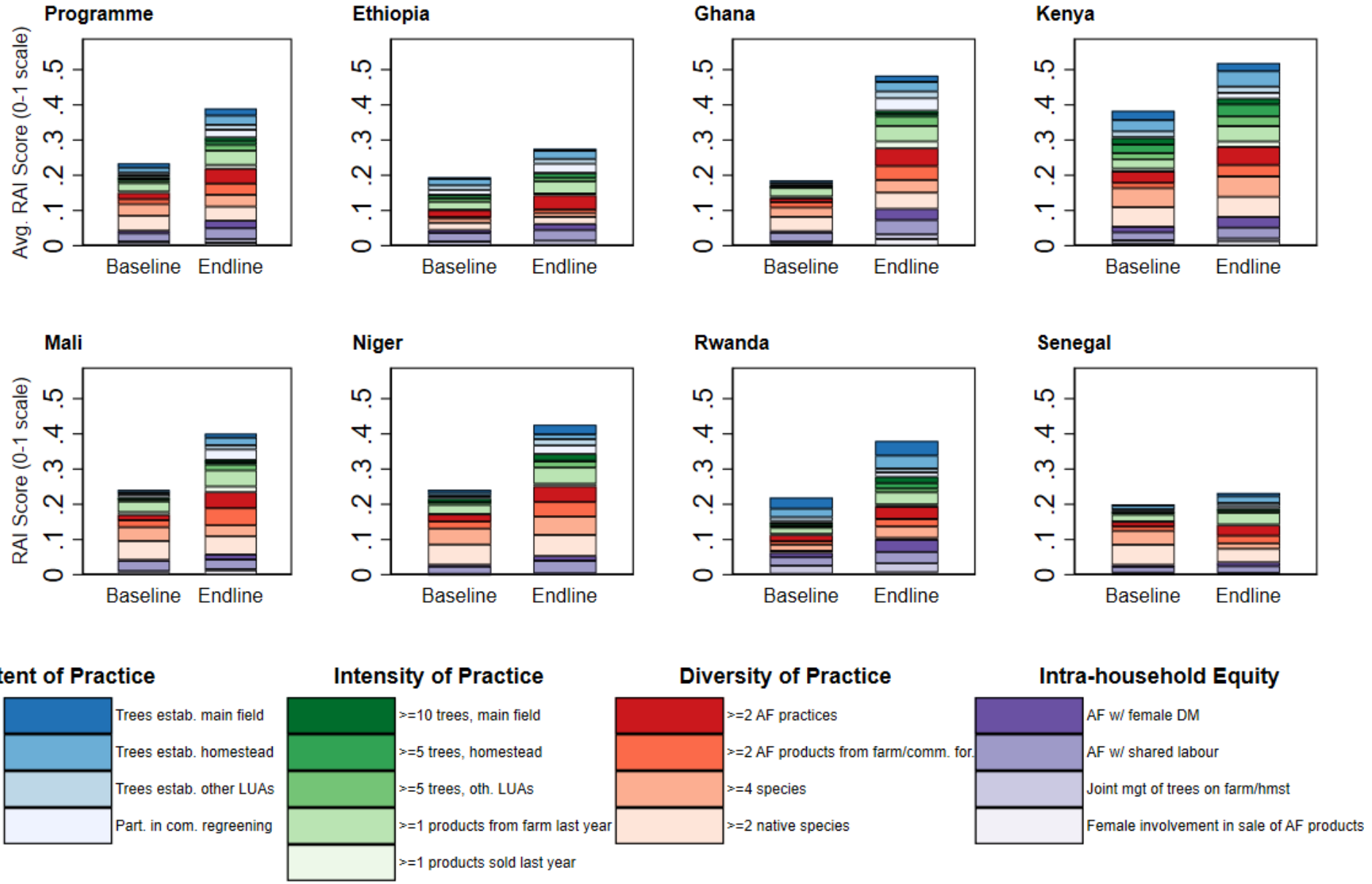
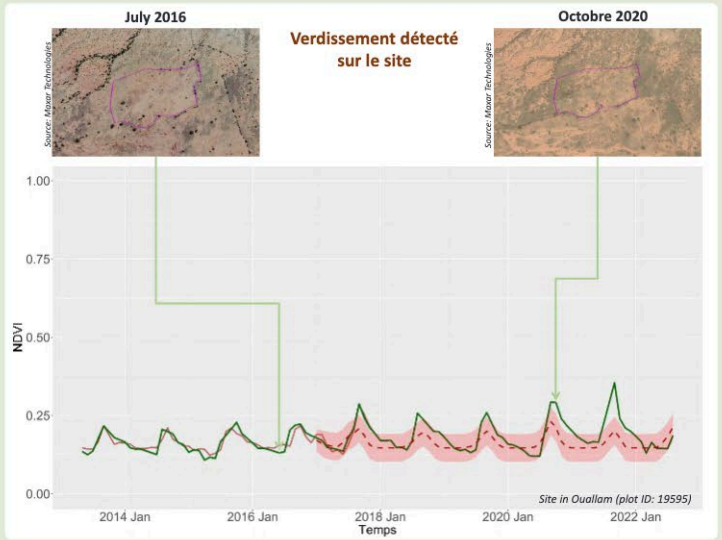


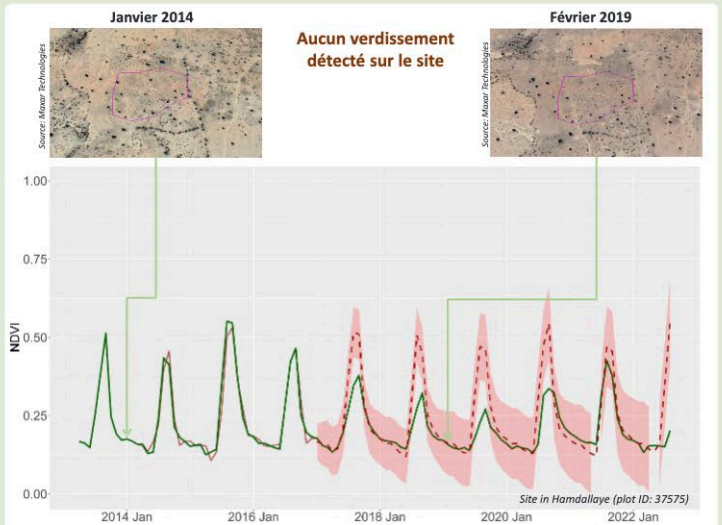
AF = Agroforestry
DM = Decision Making
LUA = Land Use Area

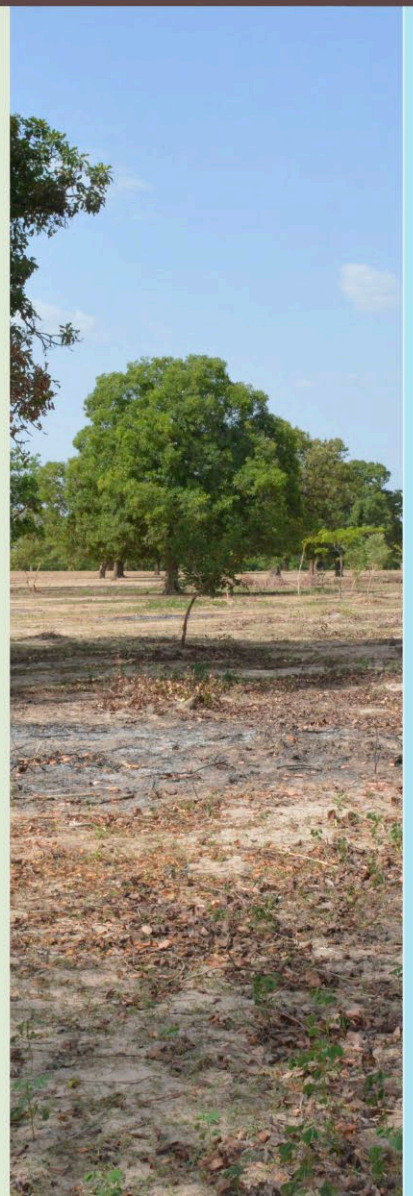
Reverdir l'Afrique

ÉVALUATION DE REVERDISSEMENT DE "REGREENING AFRICA" AU NIGER

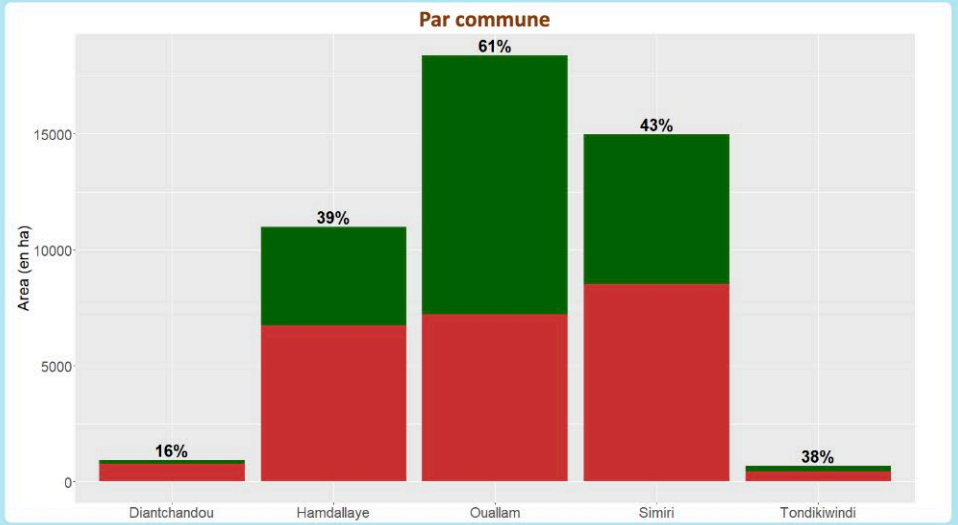
VÉGÉTATION RÉELLE (VERTE) VS PRÉVUE (ROUGE) AU NIVEAU DU SITE

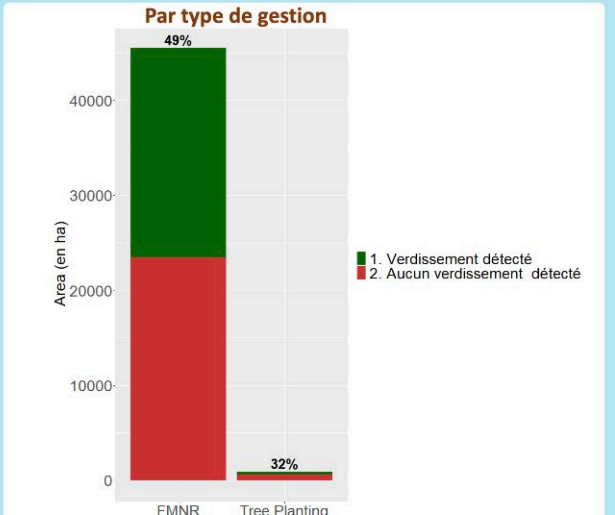






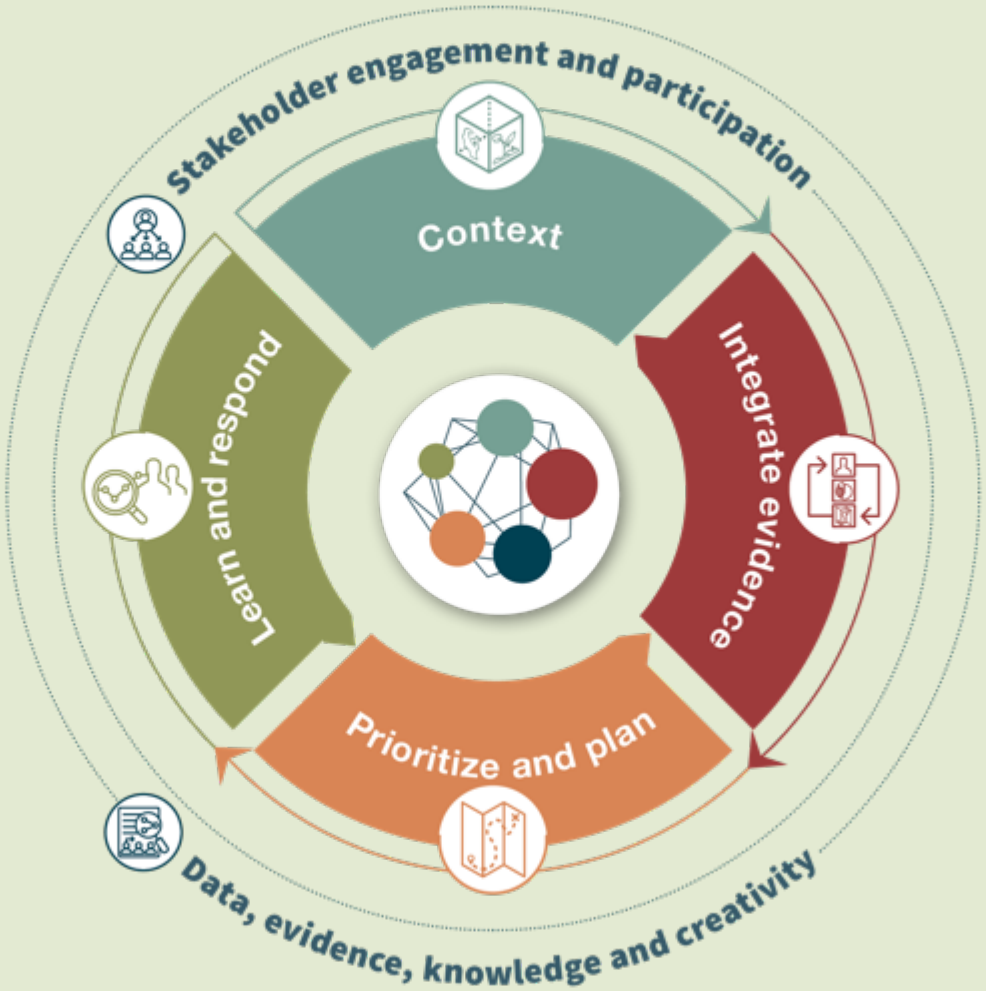
RÉSUMÉ: SUPERFICIE TOTALE SURVEILLÉE PAR RAPPORT À LA ZONE OÙ LE VERDISSEMENT EST DÉTECTÉ





MATCHING PRACTICES TO CURRENT AND FUTURE LOCAL CONTEXTS

SHARED framework



- The SHARED Decision Hub is a collective of stakeholder engagement, behavioural specialists and transdisciplinary scientists
- SHARED works within Regreening Africa to strengthen the linkages across science, practice and policy and across countries.
- Focuses on relationships, tailored engagement and breaks down the complexity within the programme to sequence these engagements and access to evidence to technically backstop both the implementation learning and policy entry points.

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Viable and promising regreening options identified for targeted scaling sites

1. **Farmer Managed Natural Regeneration/Assisted NR**:
   - Farmlands, pastoral areas (PMNR),
   - Communal areas exclosures/ enclosures
2. **Tree planting and growing:**
   - Enrichment planting in FMNR plots + High value trees (FMNR++)
   - On farm boundaries, contour plans, homesteads, fodder banks, woodlots, fruit orchards
   - Planting in public spaces: road sides**,** communal hills, parks, schools
   - Direct seed sowing
   - Grafting in nurseries or in the field
3. **Home gardening**: leafy vegetable like moringa and baobab; fruits
4. Soil and water conservation
5. Fire and grazing management

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WORKING THROUGH LOCAL STRUCTURES AND PROCESSES

Project stakeholders equipped with new knowledge, skills, tools and resources to promote regreening options

Advisory models

- Transfer of Technology (ToT) e.g., direct farmer trainings
- Leader-farmer-trainer or farmer-to-farmer approach
- CBOs or community networks-based scaling approach e.g., Saving groups, Church groups, youth soccer tournaments, community forest associations

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ADDRESSING DRIVERS AND INCENTIVES FOR RESTORATION

Targeted agroforestry value chains assessed and provided with relevant regreening support

Ghana – Fuel wood/charcoal and shea

Rwanda – Fruit trees, timber, beekeeping, nurseries

Kenya – Fruit (avocado/mango/pawpaw), beekeeping, moringa

Ethiopia – Honey, gesho leaves, bamboo furniture, seedlings and wood (poles/firewood)

Mali – Shea, soumbala (néré), baobab leaf, honey, tamarind, balenites

Senegal – Baobab fruit

Niger – *Ziziphus mauritiana*, morninga, *Balenites aegyptiaca*

Somaliland – fodder, fruits

Puntlands – agroforestry, pasture and fodder, fruit

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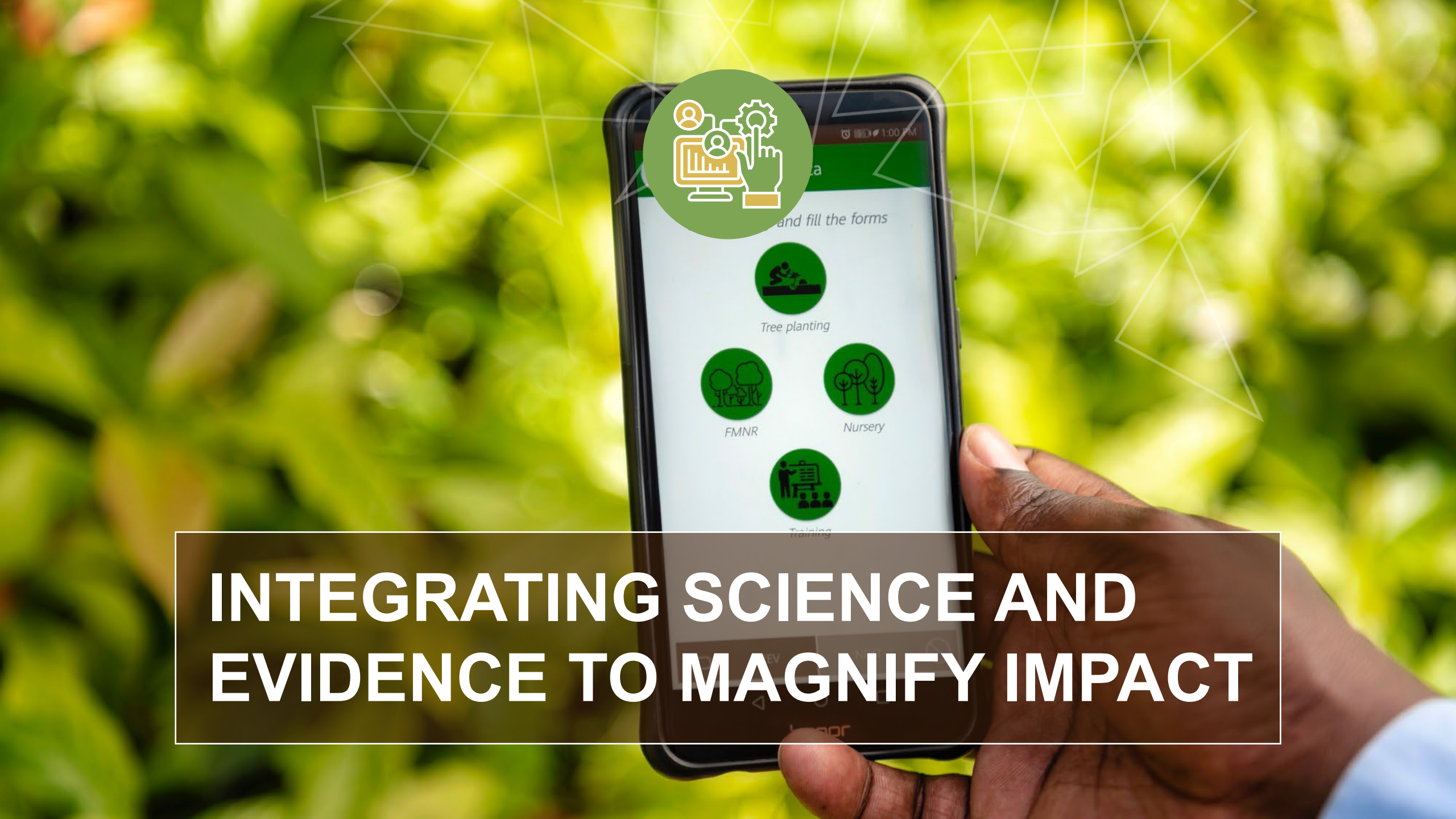
Value Chain Strengthening

- Value chain scoping asessments
- Product bussiness plans preparation
- Technical Guides
- Improving resource base for primary producers
- Processing equipment, packaging & shops
- 18 enteprise types in countries supported
- National linkage forums, local fairs, links with MFI, Saving4change

Addressing key bottlenecks and challenges

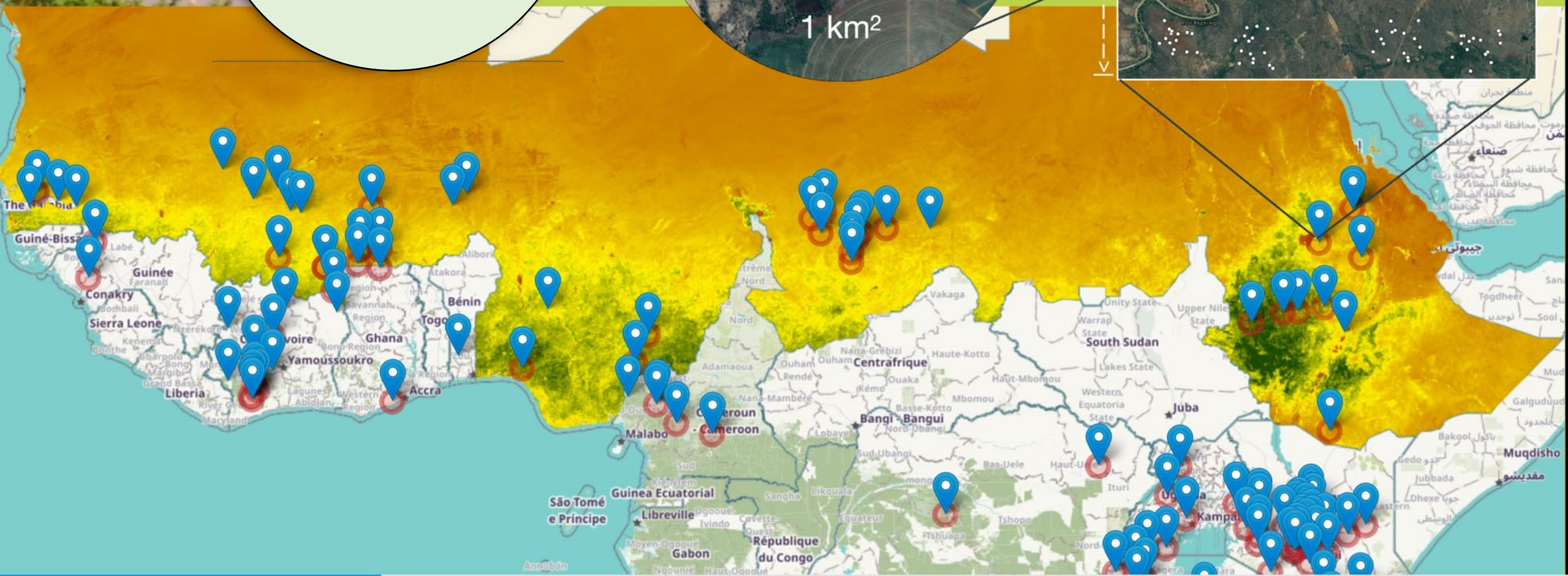
- Aging parkland & resource degradation
- Technical support: germplasm, varieties
- Processing, quality standards, equipment & tools
- Infrastructure, energy, transport
- Finance access, **local regulations**


World Agroforestry
ELD
Oxfam International
CRS
EverGreening Global Alliance
SAHEL ECO



INTEGRATING SCIENCE AND EVIDENCE TO MAGNIFY IMPACT

Land Degradation Survellance Framework (LDSF) Land health data and at high accuracy



COMBINING MULTIPLE METHODOLOGIES TO ASSESS LAND DEGRADATION AND TARGET RESTORATION INTERVENTIONS

Remote sensing

Remote sensing data, coupled with on-the-ground measurements, enables robust spatially explicit assessments of key indicators.

Systematic field sampling - using the LDSF

Assessing soil and ecosystem health using data collected using the Land Degradation Surveillance Framework (LDSF)

The LDSF uses a nested sampling design to monitor key soil and land health indicators. Each site is 100 km2, with 160-1000m2 sampling plots.

Each plot consists of four sub-plots [100m2].

Citizen science using the Regreening App

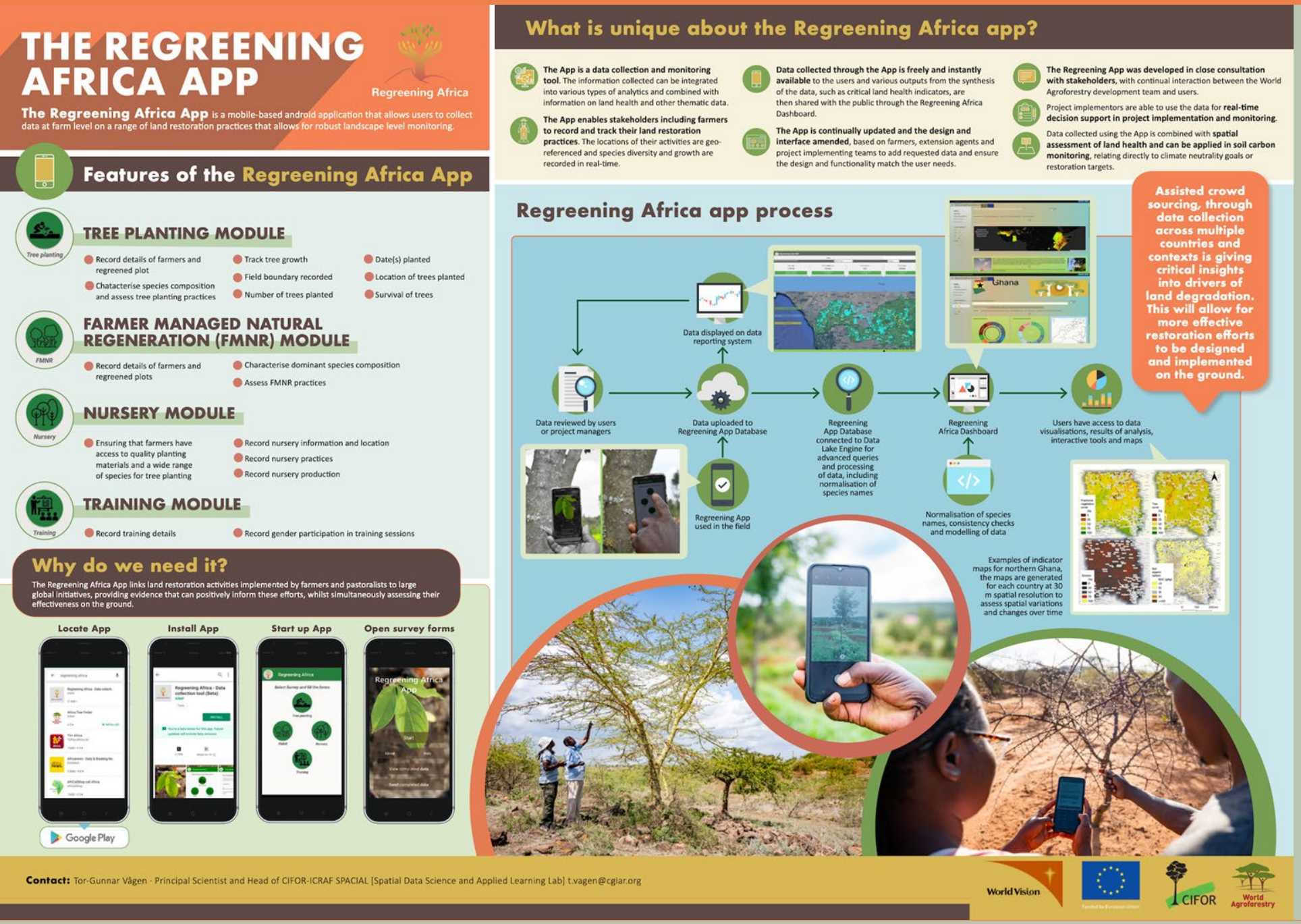
Geo-referenced data tracking implementation of land restoration activities on the ground using the Regreening App.

Engaging stakeholders in data collection - to track interventions and their impact

Interactive dashboards to review multiple sources of evidence for decision making

CIFOR

World Agroforestry



Regreening App

Citizen science data collection using the Regreening Africa App has allowed us to scale data collection to over 200,000 farmers.

https://play.google.com/store/apps/details?id=org.icraf.regreeningafrica&hl=en&gl=US

https://regreeningafrica.org/in-the-news/the-regreening-africa-app/

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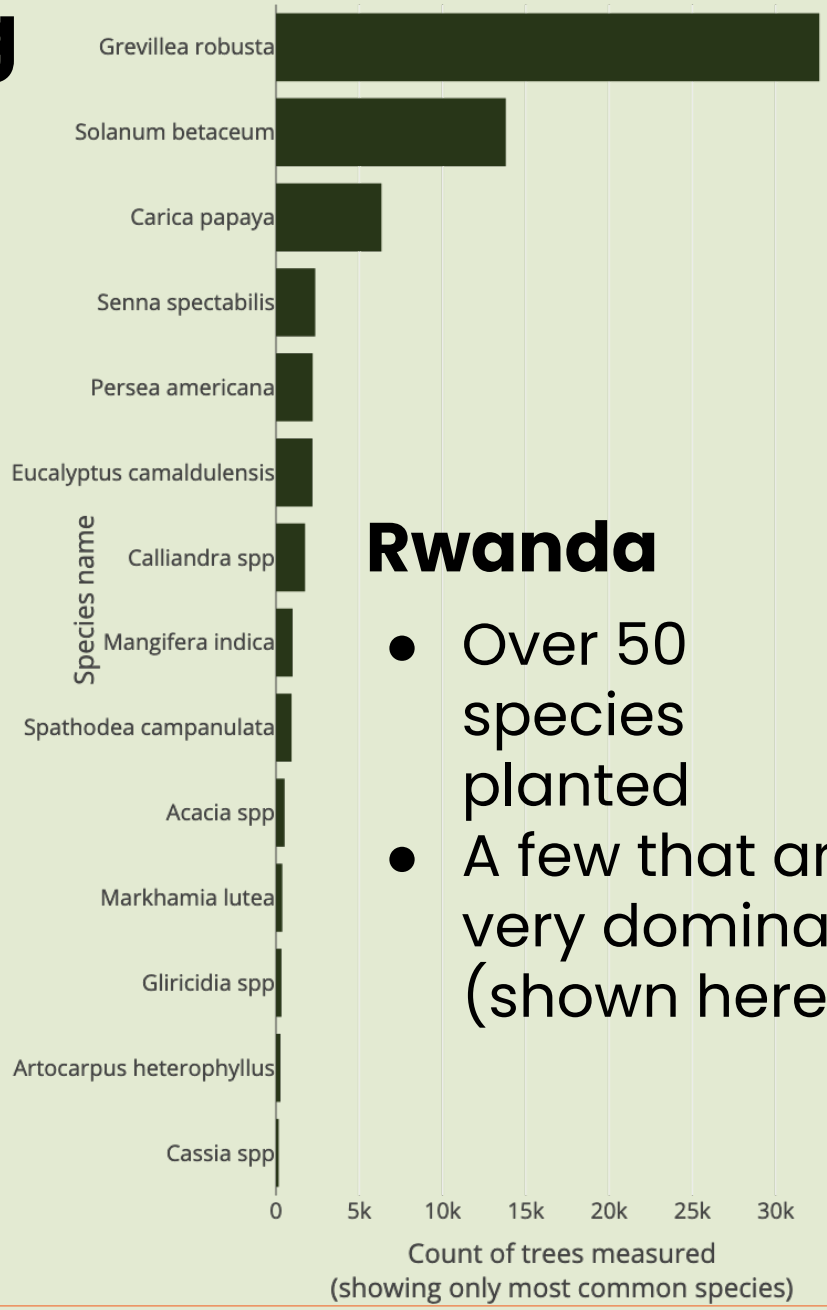
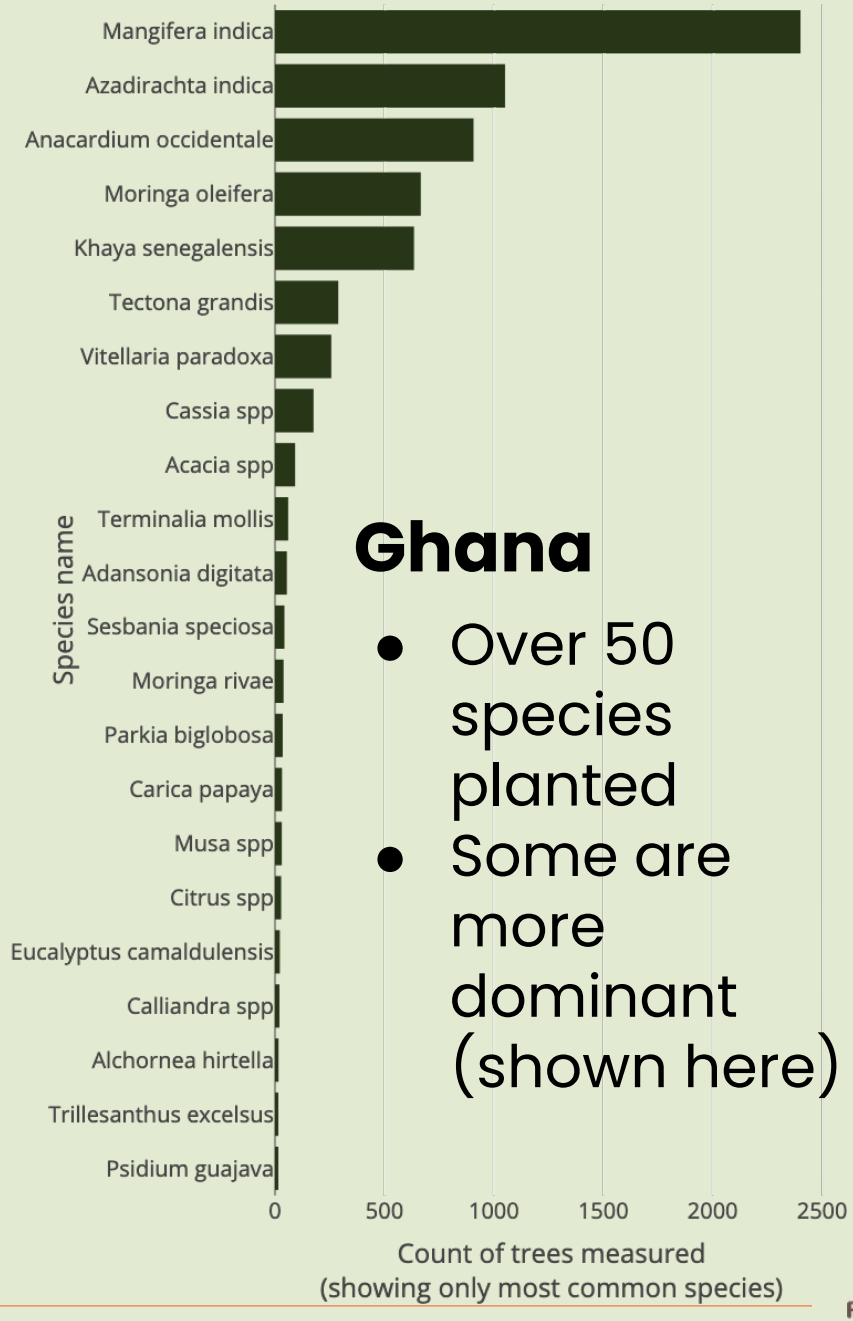
Tree planting data from the Regreening App: tree species



Rwanda

- Over 50 species planted
- A few that are very dominant (shown here)

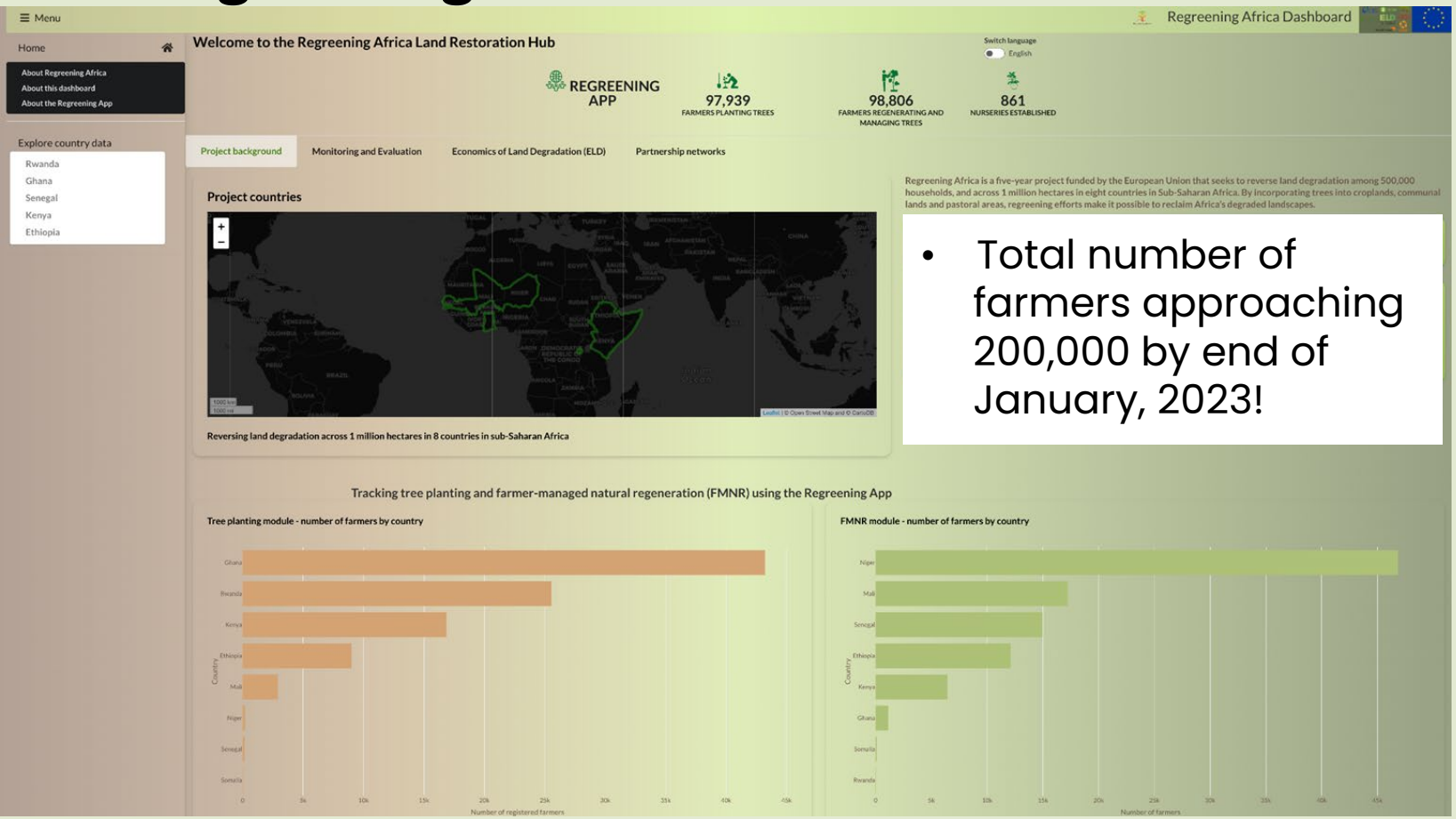


Ghana

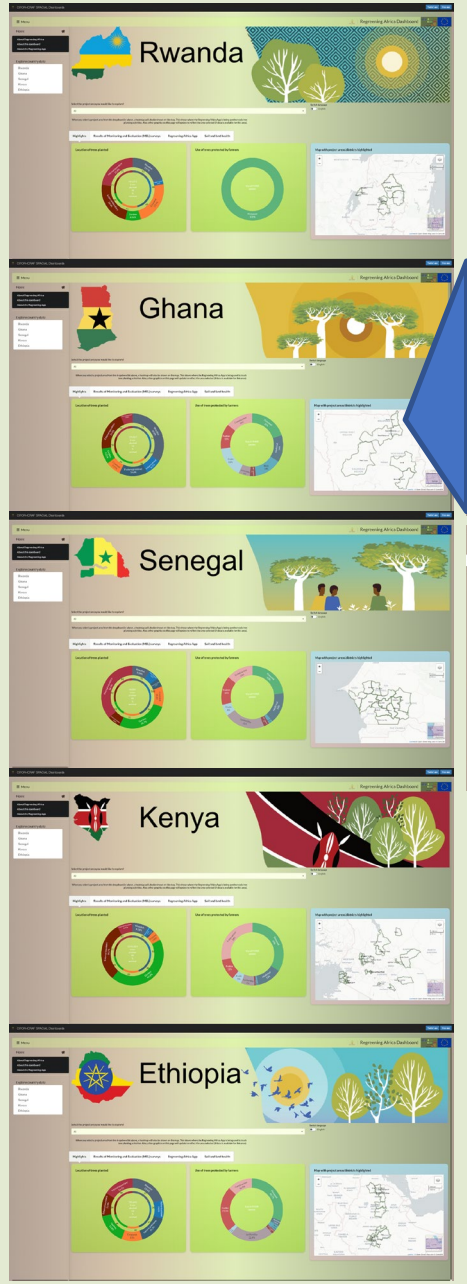
- Over 50 species planted
- Some are more dominant (shown here)

Regreening Africa

The Regreening Africa Dashboard

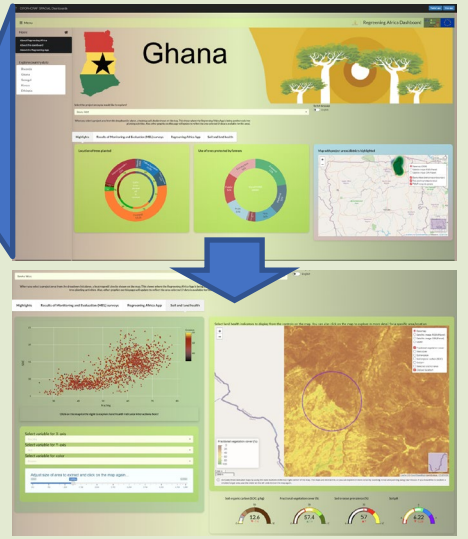


- Total number of farmers approaching 200,000 by end of January, 2023!



Country pages

- Summary of MEL results
- Data from the Regreening Africa App



- Tools to interactively explore soil and land health data and maps

- Platform to unify and bring together data, evidence and learning from the different project components.
- Regreening Africa dashboard: https://dashboards.icraf.org/app/ra_dashboard

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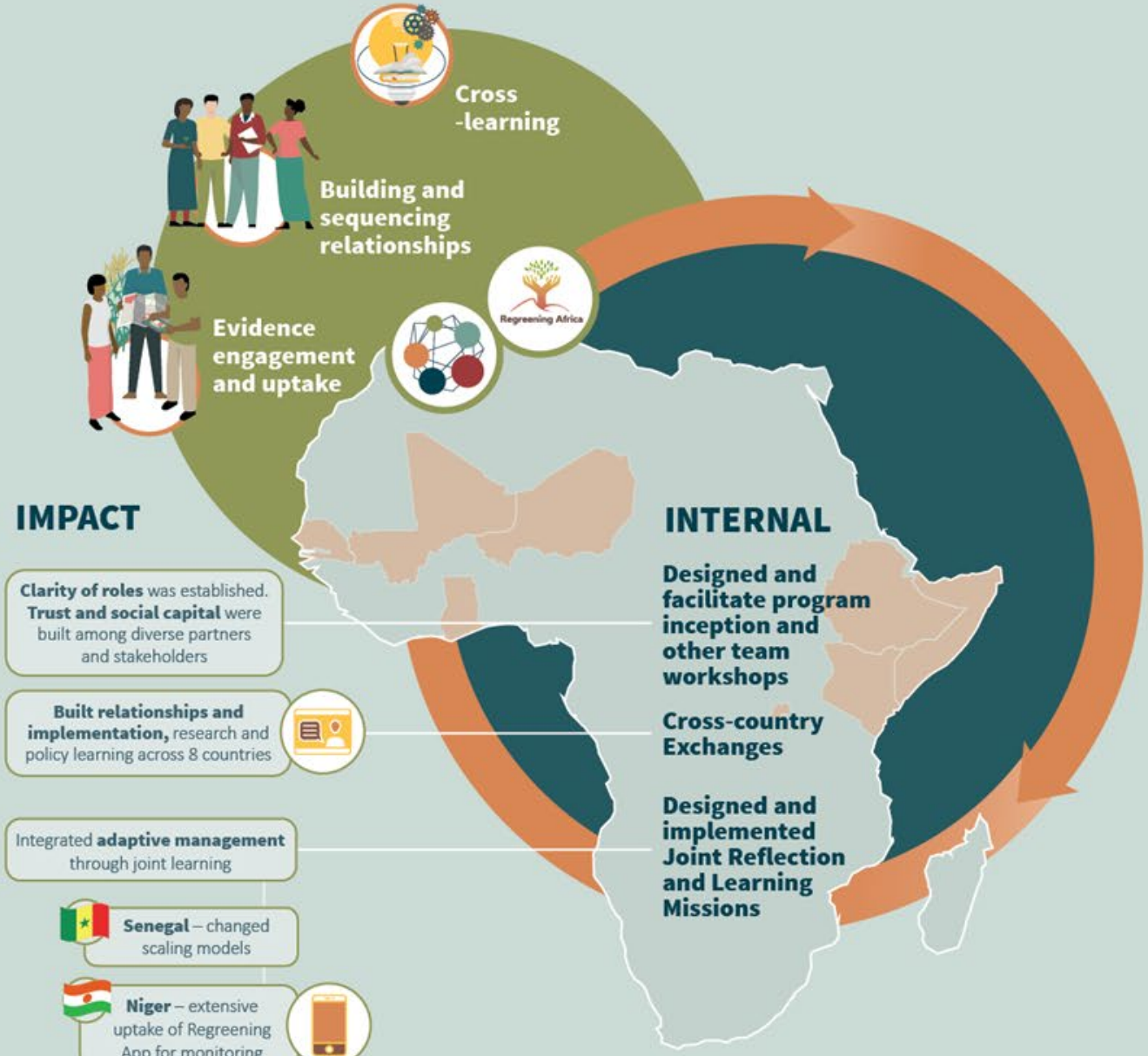


IMPACT

Clarity of roles was established. **Trust and social capital** were built among diverse partners and stakeholders

Built relationships and implementation, research and policy learning across 8 countries

Integrated **adaptive management** through joint learning

Senegal – changed scaling models

Niger – extensive uptake of Regreening App for monitoring

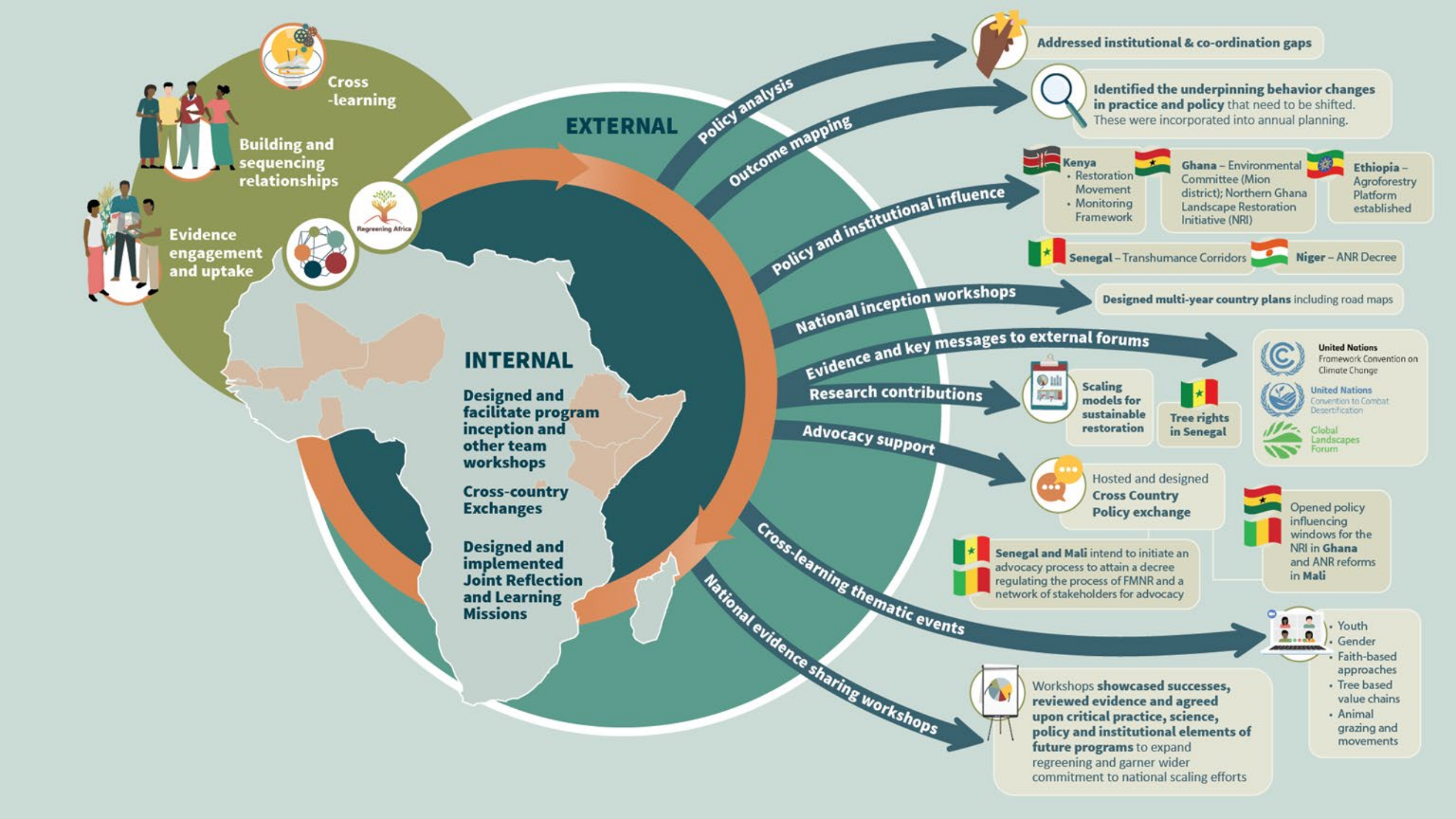
Rwanda – addressed species diversity and pests & disease affecting fruit trees

INTERNAL

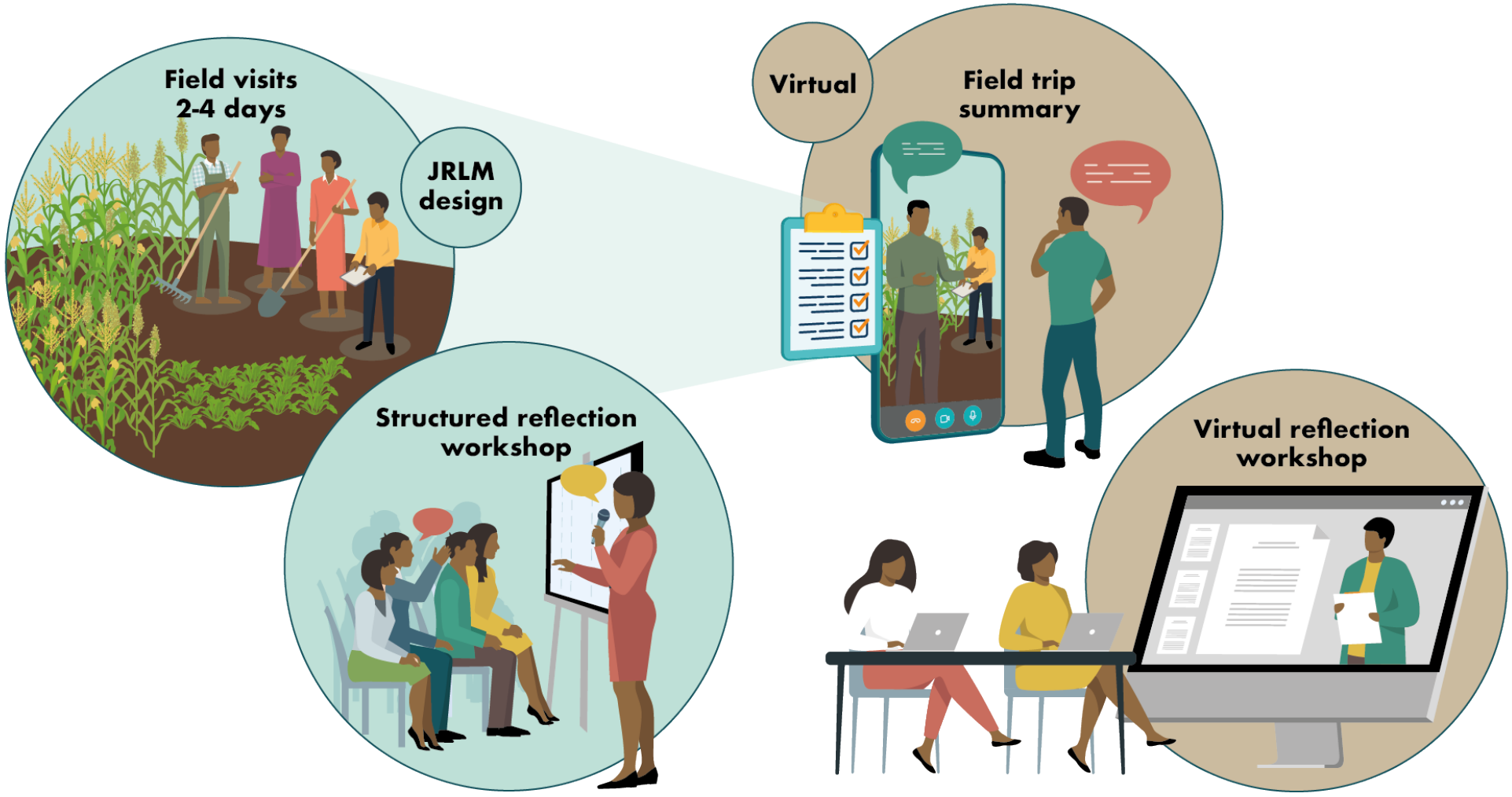
Designed and facilitate program inception and other team workshops

Cross-country Exchanges

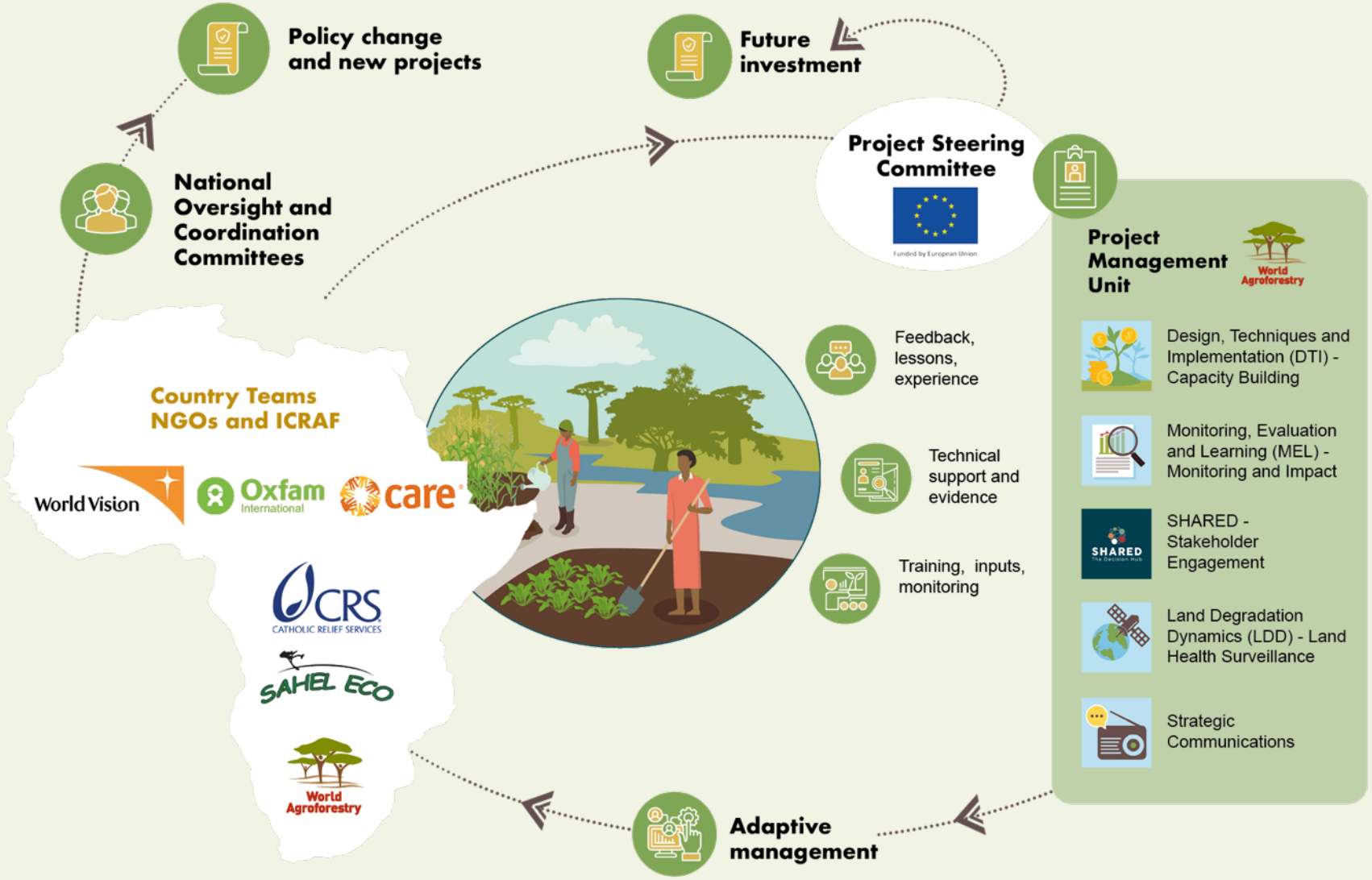
Designed and implemented Joint Reflection and Learning Missions


Cross -learning
Building and sequencing relationships
Evidence engagement and uptake
Regreening Africa
EXTERNAL
INTERNAL
Designed and facilitate program inception and other team workshops
Cross-country Exchanges
Designed and implemented Joint Reflection and Learning Missions
Policy analysis
Outcome mapping
Policy and institutional influence
National inception workshops
Evidence and key messages to external forums
Research contributions
Advocacy support
Cross-learning thematic events
National evidence sharing workshops
Addressed institutional & co-ordination gaps
Identified the underpinning behavior changes in practice and policy that need to be shifted. These were incorporated into annual planning.
Kenya
• Restoration Movement
• Monitoring Framework
Ghana – Environmental Committee (Mion district); Northern Ghana Landscape Restoration Initiative (NRI)
Ethiopia – Agroforestry Platform established
Senegal – Transhumance Corridors
Niger – ANR Decree
Designed multi-year country plans including road maps
United Nations Framework Convention on Climate Change
United Nations Convention to Combat Desertification
Global Landscapes Forum
Scaling models for sustainable restoration
Tree rights in Senegal
Hosted and designed Cross Country Policy exchange
Opened policy influencing windows for the NRI in Ghana and ANR reforms in Mali
Senegal and Mali intend to initiate an advocacy process to attain a decree regulating the process of FMNR and a network of stakeholders for advocacy
• Youth
• Gender
• Faith-based approaches
• Tree based value chains
• Animal grazing and movements
Workshops showcased successes, reviewed evidence and agreed upon critical practice, science, policy and institutional elements of future programs to expand regreening and garner wider commitment to national scaling efforts

ADAPTIVE MANAGEMENT AND EVIDENCE INTEGRATION



STRENGTHENING PARTNERSHIPS AND INCLUSION



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GENDER TRANSFORMATIVE APPROACHES

YOUTH AT THE CENTER

Ingredients of success

1. Addressing drivers and incentives for restoration
2. Working through local structures and processes
3. Matching practices to current and future local contexts
4. Integrating science and evidence to magnify impact
5. Strengthening partnerships and inclusion

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Thank You! Merci!

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