

WORLD Resources Institute

Cities 4 Forests

Addressing the Barriers to NBS Adoption for Climate, Water, and Biodiversity in Sub-Saharan Africa:

A workshop to mainstream green-grey infrastructure solutions

October 5, 2022

Partners and Funders





WORLD Resources Institute











AFRICAN DEVELOPMENT BANK GROUP

Deutsche Gesellschaft

Zusammenarbeit (GIZ) GmbH

für Internationale

Sweden Sverige

CATERPILLAR FOUNDATION CATERPILLAR[®]



Federal Ministry for Economic Cooperation and Development





www.cities4forests.com

Opening Remarks



Wanjira Mathai

Managing Director Africa and Global Partnerships World Resources Institute

Intro

Session 1

Session 2

Break

Session 3

Opening Remarks



Dr. Benjamin Kinyili

Principal Conservator of Forest - Office of the Directorate of Forest Conservation and Management (DFCM)

Intro Session 1

Session 2

Break

Session 3

Opening Remarks



Dr. Vanessa Ushie

Acting Director Africa Natural Resource Management & Investment Centre African Development Bank

Intro

Session 1

Session 2

Break

Session 3



Welcome and Workshop Goals

- Learn from a diverse set of experiences about barriers and enabling conditions for NBS projects
- Chart strategies to prepare, implement, and scale NBS

Session1

Intro

 Build on existing collaborations and spark new partnerships

Session 2

Break



Photo: Aaron Minnick | World Resources Institute; Kakamega Forest, Kenya

Conclusion

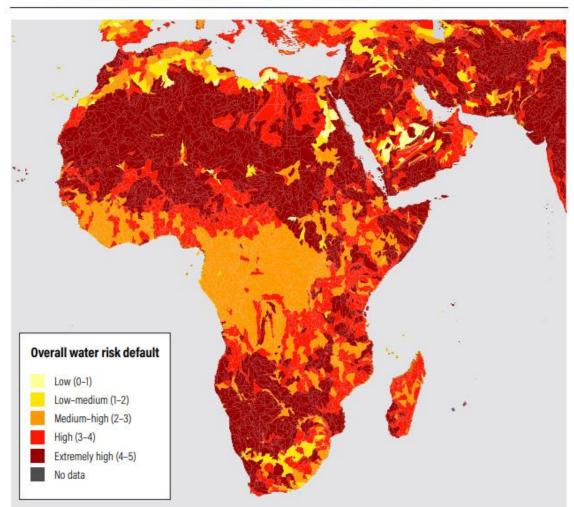
Session 3

The Urgency of the Moment



Photo: Flooding at entrance to Addis Abbaa University Source: L.W. Habtemariam, 2017

Figure 1 | Every region of Africa has water basins facing medium to extremely high water risk



Source: Workalehmahu Habtemariam et al. 2021. From Aqueduct, based on Hofste et al. 2019.

Intro Session1 Session2 Break Session3 Conclusion

NBS Infrastructure in Sub-Saharan Africa for Climate and Water Resilience: Regional Status and Opportunities to Scale

- Close key knowledge gaps about NBS adoption in the region
- Create actionable strategies to launch and scale NBS
- Create strategic partnerships to efficiently allocate limited resources to NBS



Photo: Aaron Minnick | World Resources Institute; Tree Planting and Degraded Landscape, Ethiopia

NBS Project Scan

- Regional scan of NBS projects
- Identify status and trends of NBS implementation
- 300+ NBS projects identified thus far across 42 countries

Session 1

Intro

Session 2

Break



Session 3

MDB NBS Projects in Sub-Saharan Africa

Figure 1 | Geographic Distribution of NBS Projects

- 85 projects from 2012 to 2021
- \$4.5 billion towards components with NBS and Green-Gray Infrastructure

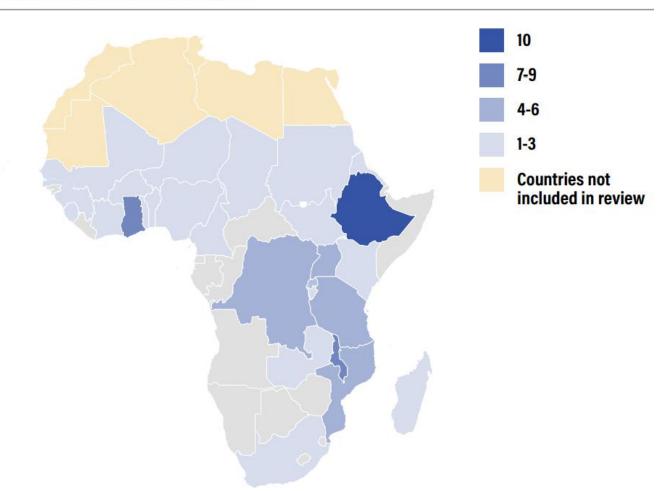
Session 1

Intro

Session 2

Break

Session 3



Funding and Financing NBS

Pathways to Scale NBS investments

- Infrastructure lending portfolios
- Funding earmarked for nature, biodiversity, water and/or climate
- Scale of opportunity and criteria for access
- Risk mitigation tools and mechanisms
- Innovative financing mechanisms



WORLD Resources Institute

WORKING PAPER

FINANCING SUSTAINABLE WATERSHED MANAGEMENT IN ETHIOPIA

Exploring Innovative Financing Strategies for Nature-Based Solutions

AUTHORS: FRANCESCA BATTISTELLI, JEMAL AHMED TADESSE (PHD), LIZZIE MARSTERS CONTRIBUTORS: MULUNEH BIMREW, LILY COLBURN

EXECUTIVE SUMMARY

Highlights

- Ethiopia has a long history of land restoration and watershed management; however, land and watershed degradation persist, threatening agricultural productivity, water supplies, and livelihoods.
- Inadequate financing and unsustainable conservation interventions are the key challenges to reducing and reversing environmental degradation in Ethiopia. New strategies are needed that can incentivize long-term, sustainable natural resources management and secure conditions for continued investment.
- Innovative financing strategies can help attract domestic and international investments for conservation interventions, or "nature-based solutions" (NBS), which help mitigate risks to economic activities, land productivity, and water security, while delivering livelihood benefits to rural and urban communities.
- In exploring tested or emerging NES finance strategies applied in other countries, three mechanisms were identified that offer promising avenues for accelerating conservation in Ethiopia and promoting more sustainable and diverse funding sources for NES: water funds, payments for ecosystem services (PES), and debt-for-nature swaps (DfNSs).
- Recent federal propositions for Ethiopia's financial and environmental sectors could help the country tap into new funding to protect natural resources and vital ecosystems.

CONTENTS
Executive Summary1
1. Environmental Degradation and the Need for Finance
2. An Overview of Watershed Management in Ethiopia
3. Exploring New Financing: Highlighting Diverse Public and Private Sources of Finance for Nature- Based Solutions and Water Services Protection 10
4. Assessing the Applicability of Innovative Financing Mechanisms for Nature-Based Solutions and Watershed Protection to Ethiopia17
5. Ways Forward: Using Innovative Financing to Usher in a New Era of Watershed
Management in Ethiopia23
Annexes
References
Working Papers contain preliminary research, analysis, findings, and recommendations. They are circulated to

CONTENTS

Working Papers contain preliminary research, analysis, findings, and recommendations. They are circulated to stimulate timely discussion and critical feedback, and to influence ongoing debate on emerging issues.

Suggested Citation: Battistelli, F., J.A. Tadesse, and L. Mansters. 2022. "Finanding Sustainable Watershed Management in Ethiopia: Exploring Innovative Finanding Strategies for Nature-Based Solutions." Working Paper. Washington, DC: World Resources Institute. Available online at doi.org/10.4688/0/ wirtsp.20.0015/4.

🌞 WORLD RESOURCES INSTITUTE

WORKING PAPER | September 2022

Intro

Session 1

Session 2

Break

Session 3

Challenges and Enabling Conditions





- Session 1. Barriers in NBS project design & implementation
- Session 2. Challenges to owning, operating, & maintaining NBS

Break

- Session 3. Scaling & replicating NBS infrastructure investment
- Closing remarks & next steps

Intro

Session 1

Session 2

Break

Session 3



Menti Poll: <u>www.menti.com</u> Code: 3612 7037

- Workshop Goals
- NBS Challenges
- Enabling Conditions

Intro

Session 1

Session 2

Break

Session 3

Session 1.

Barriers in NBS project design & implementation: Mainstreaming and adopting NBS infrastructure.

Intro

Session 1

Session 2

Break

Session 3



Barriers in NBS project design and implementation

Session 2



Photo: Residents taking refuge on rooftops in Mozambique during Cyclone Idai; Source: Flickr/Department for International Development 2019.

Session 1

Intro

- Mainstreaming NBS into AfDB
 - Dr. Al Hamdou Dorsouma
- Case Study: NBS in Transportation
 - Green Roads for Water
- Case Study: NBS for Urban Resilience & Disaster Risk Management
 - World Bank lessons from Beira, Mozambique

Session 3

Conclusion

- Breakout Sessions
- Summary

Break

Overview



Dr. Al-Hamdou Dorsouma

Acting Director Climate Change & Green Growth Department African Development Bank

Intro

Session 1

Session 2

Break

Session 3

Case Study: Green Roads for Water



Michael MalukiSuperintendent Roads Engineer,Department of Roads, Transport, Energy andPublic WorksGovernment of Makueni County, Kenva,IntroSession 1Session 2Break



Theophilus M. Kioko Program Officer MetaMeta Research Roads for Water

Session 3



Green Roads for Water

Addressing the Barriers to NBS Adoption for Climate, Water, and Biodiversity:

A workshop to mainstream green-gray infrastructure solutions.

5TH October 2022

The Social House, Nairobi, Kenya

Theophilus Kioko (MetaMeta Kenya)

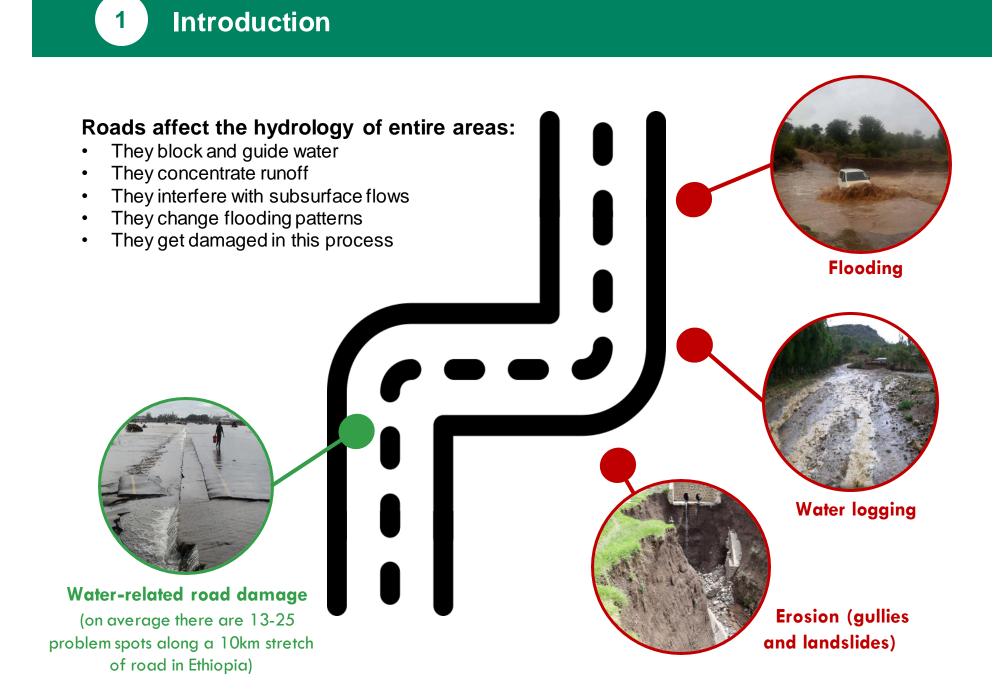
Michael Maluki (Makueni County Government)



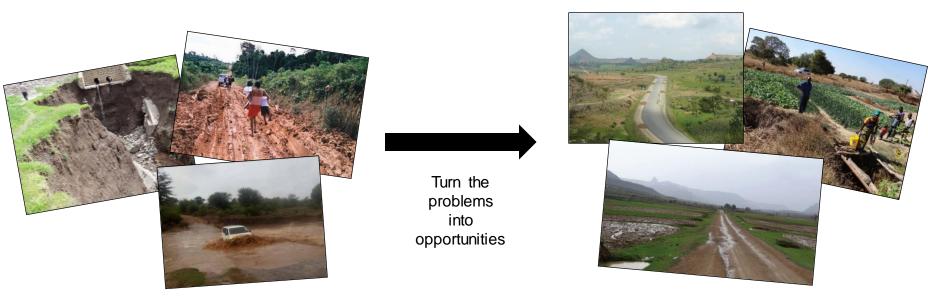










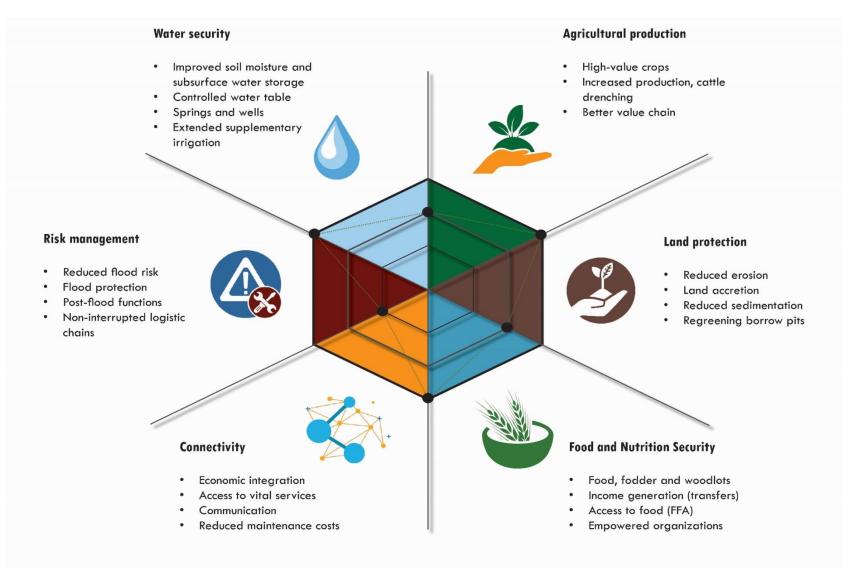


Green Roads for Water is a smart way of





Green Roads co-benefits





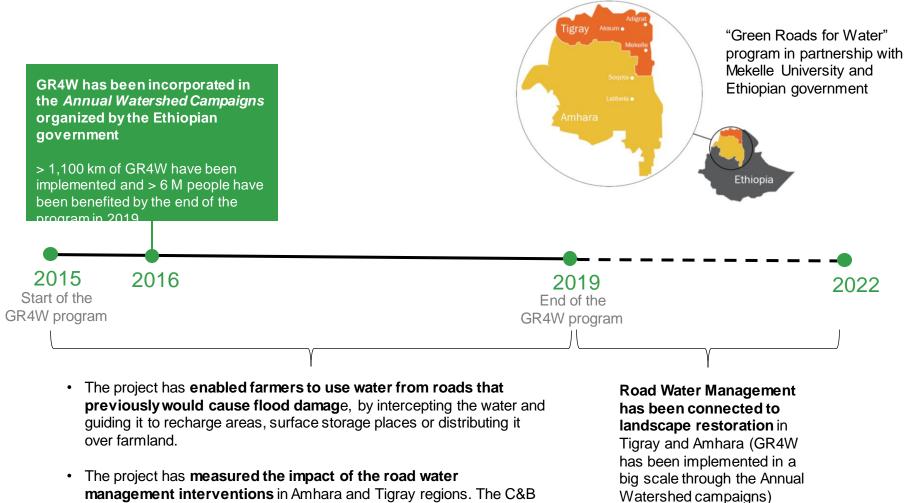
Green Roads for Water work and geographical coverage

- Initiated by MetaMeta in 2015
- Active in more than 14 countries
- Various types of projects: research, capacity building, implementation, policy formulation
- Supported by: The World Bank, GRP (supported by USAID, SIDA and Rockefeller Foundation), IRF, ADB, NWO, NERC, RAP3, IFCD, IFAD, IKEA Foundation, NUFFIC, Welthungerhilfe, IUCN
- Total funding secured: about USD 3.6 M (2015-2022)



GR4W in Ethiopia

2



management interventions in Amhara and Tigray regions. The C&B Analysis showed that GR4W measures are low cost in comparison to total road investment (<5%) with a very high rate of return (>4 per year).

• The project has brought together government stakeholders from the agriculture, water and roads sectors and used extensive training of trainers to scale its approach in Ethiopia.



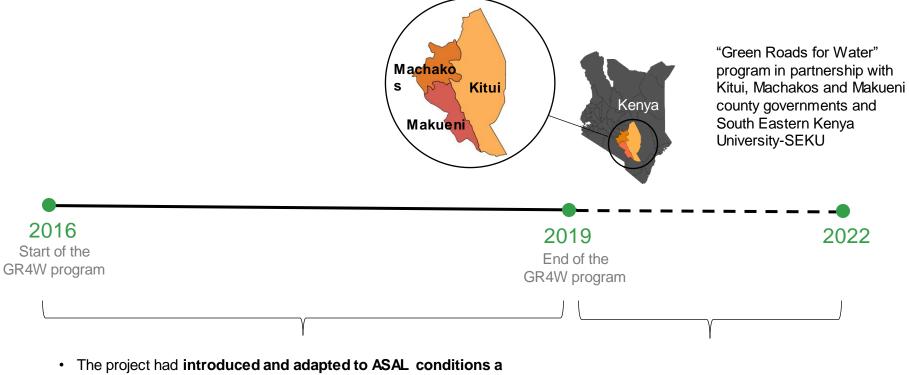






GR4W in Kenya

2



- myriad of road water harvesting techniques
- The projects trained >300 county staff and >1000 farmers in Kitui, Machakos and Makueni on road water management (focusing on RWH)
- The project set a up technical team in Kitui, Machakos and Makueni counties to coordinate the GR4W activities across water, road and agriculture sectors and incorporate it into county programs
- The project monitored the impact of the GR4W interventions (>50.000 people benefit from improved road safety and connectivity, >10.000 people benefit from prolonged water availability for essential dryland agriculture)

Road Water Management has been incorporated in many county programs **in Makueni county.**

2 GR4W in Kenya- Makueni County.





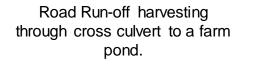


Original road condition without GR4W structures.

Green Road with miter drains to nearby farms.

Farming using harvested roadside runoff.









Harvested Road run-off stored in a roadside gravel borrow-pit.

Crop farming using road run-off stored in farm ponds.

GR4W in Kenya-Makueni County



2

Vented drift that evacuates water and sand at crossing points Convention al drifts





Non-vented road crossing/Drift which provides crossing and sand storage.



Roadside tree planting for dust control.

Roadside gully rehabilitation using natural methods..



Excavation of Rod side mitre drains for road runoff harvesting.

GR4W in Kenya-Makueni County.



2

Community capacity building and trainings for sustainability





Community field trainings and demonstrations on setting GR4W structures.

Community empowerment program for excavation of roadside mitre drains.



Community feedback-Monitoring and assessing impacts of road runoff on farming





Roadside farmer using roadside runoff for farming.

Community field monitoring and evaluation of GR4W progress.



3

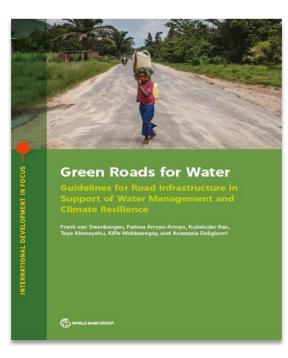
- **GR4W brings a triple win with one go**: (1) more durable roads with decreased maintenance costs, (2) healthier landscape around roads and (3) increased water availability through better managing the water around roads
- GR4W is not only about promoting/implementing measures and technologies – but is a combination of management, operation and maintenance of the applied technologies in an inclusive manner
- GR4W measures are considered as Naturebased solutions (supporting communities to build resilience against the negative effects of Climate Change)
- GR4W measures are low-cost, low-tech and can be constructed by locally available materials

- Barriers for upscale
 - the way the road sector is structured in several countries (very conservative and focused only on engineering solutions)
 - GR4W is a multisectoral approach that requires various sectors (water, agriculture, environment, roads, etc) to work together.
 However, one big barrier to project success is all sectors work in silos - a lot of effort is needed to bring all sectors together and explain how to work together so one does not harm the other
 - big need for capacity building/trainings and further research on the GR4W approach, techniques and governance

• Community engagement is an important



- GR4W website: <u>https://roadsforwater.org/</u>
- GR4W pitch video: <u>https://roadsforwater.org/training/roads-for-water-the-pitch/</u>
- GR4W guidelines (issued by the Word Bank): <u>https://openknowledge.worldbank.org/handle/10986/35752</u>



For more information contact: adeligianni@metameta.nl

Case Study: Building Resilience Through Green-Gray Infrastructure: Lessons from Beira, Mozambique



Brenden Jongman

Senior Disaster Risk Management Specialist, Global Facility for Disaster Reduction and Recovery World Bank

Intro

Session 1

Session 2

Break

Session 3

Case Study: Building Resilience Through Green-Gray Infrastructure



Intro

Session 1

Session 2

Break

Session 3

Question 1: What have been the biggest challenges you have witnessed or experienced in terms of the assessment, design, and/or implementation of NBS projects in SSA?

Question 2: In light of these challenges, if you could wave a magic wand, what would be the one thing that you would change to help increase NBS adoption in SSA?

Question 3: In NBS projects that you have seen make progress in SSA, what have been the enabling conditions that have contributed to success?

Intro

Session 1

Session 2

Break

Session 3



Summary of Breakout Sessions



Intro Session 1 Session 2 Break Session 3 Conclusion

Session 2.

Challenges to owning, operating, and maintaining NBS: Showing pathways to support Operations and Maintenance (O&M), Monitoring, Evaluation and Learning (MEL), and quantification methods for measuring co-benefits.

Intro

Session 1

Session 2

Break

Session 3



Challenges to owning, operating, and maintaining NBS



Photo: Aaron Minnick | World Resources Institute; Kakamega Forest, Kenya

Intro

Session1

Session 2

Presentation

- Caroline Wangeci, Kenya Water Towers Agency
- Panel session
 - Hannah Benn, Pegasys
 - Kevin Mutia, ICLEI
 - Larissa Duma, World Bank

Session 3

Conclusion

- Melissa de Kock, UNEP
- Summary

Break

Presentation: Kenya Water Tower Agency (KWTA)



Caroline Wangeci

Acting Assistant Director Ecosystem Research and Monitoring Kenya Water Towers Agency (KWTA)

Intro

Session 1

Session 2

Break

Session 3

KENYA WATER TOWERS AGENCY

Integrated Monitoring Systems for Sustainable Management of Water Towers in Kenya

By

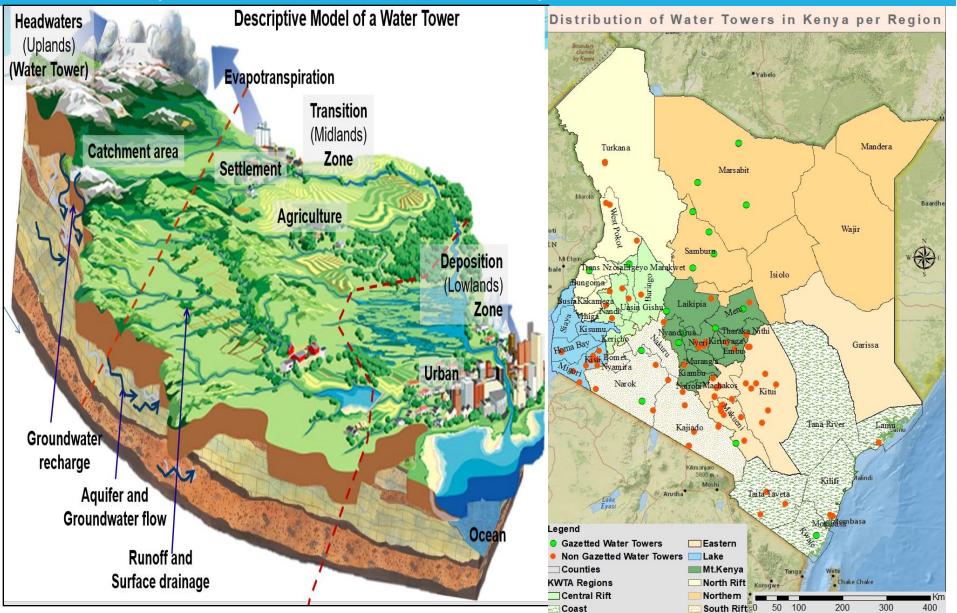
Caroline Wangeci Muriithi Directorate of Ecosystem Research, Planning & Audit (DERPA)

Conserved Water Towers: Our Shared Heritage

10/14/2022

www.watertowers.go.ke info@watertowers.go.ke @watertowerske

The Kenya Water Towers Ecosystem



Contribution of Water Towers to the Big 4 Agenda

Mau Forest

Complex

contributes

about Ksh.

189 billion

per year

Water towers supports key sectors: agriculture, energy, tourism, manufacturing and health



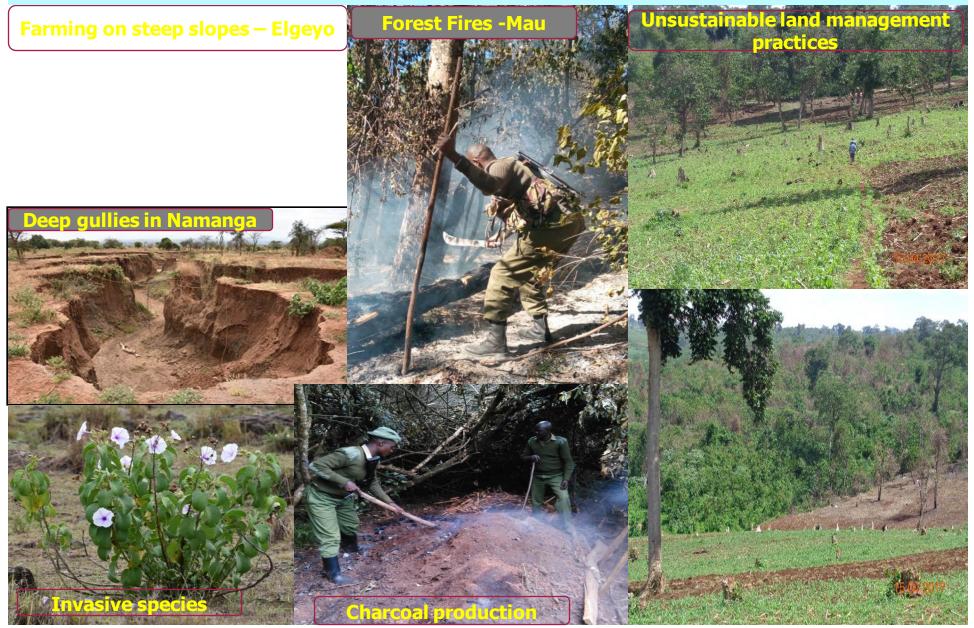
Manufacturing - Processing of coffee



HEP generation - Masinga dam



Threats facing the water towers



Management of Water Towers in Kenya

KWTA is mandated to coordinate and **oversee** the protection, rehabilitation, conservation and sustainable management of all the Water towers in Kenya. The Agency was established through the Legal Notice No. 27 of 2012

Strategic Objectives

Coordinate and Oversee -

- 1. Water Towers Ecosystem Health and Resilience;
- 2. Securing of Catchment Lands, Wetlands, and Critical Biodiversity Hotspots Within the Water Towers Ecosystems;
- Acquisition of Appropriate Infrastructure to Support Sustainable Management of Water Towers;
- 4. Promotion of Sustainable Livelihood Support Programmes Within the Water Towers
- 5. Establish Strategic Partnerships and Linkages for Sustainable Management of Water
 Towers;
- 6. Undertake Institutional Strengthening for Effective Service Delivery

Barriers Facing Water Towers Restoration

- 1) Inadequate information on the status of water towers -(socio-economic, physical and biological data);
- 2) Uncoordinated approach across partners on monitoring ecosystem health of water towers data collection, processing and data management;
- 3) Lack of a centralized data platform data in scattered and disaggregated
- 4) No clear mechanism to share data among the existing interested stakeholders
- 5) Limited capacity to monitor the status and health of the water towers ecosystem
- 6) Limited **long-term monitoring programs** and **systematic collection** and **archiving** of data

Approaches Adopted Towards Addressing Barriers and Achieving Goal for the Water Towers Ecosystem Restoration: Awareness

Community meetings

State and non-state stakeholders



Ι.

Approaches Adopted: Scientific Research

Research, monitoring and planning of water towers A. Development of Water Towers Status Report Landcover Mapping * • Place Nar Biodiversity hotspots Mapping Forest Area * Water Towe 2019 Land Cover Indigenous Fe Exotic Forest Critical catchment ** Wooded G Open Grasslan Mapping Water Body Otherland Mapping Degradation levels ** KenvaWater Repo Forest Area Water Tower 0 2.5

00.51 2 3 4 5

slope at 70% and 30% leve

Place Name

Enrest Ares

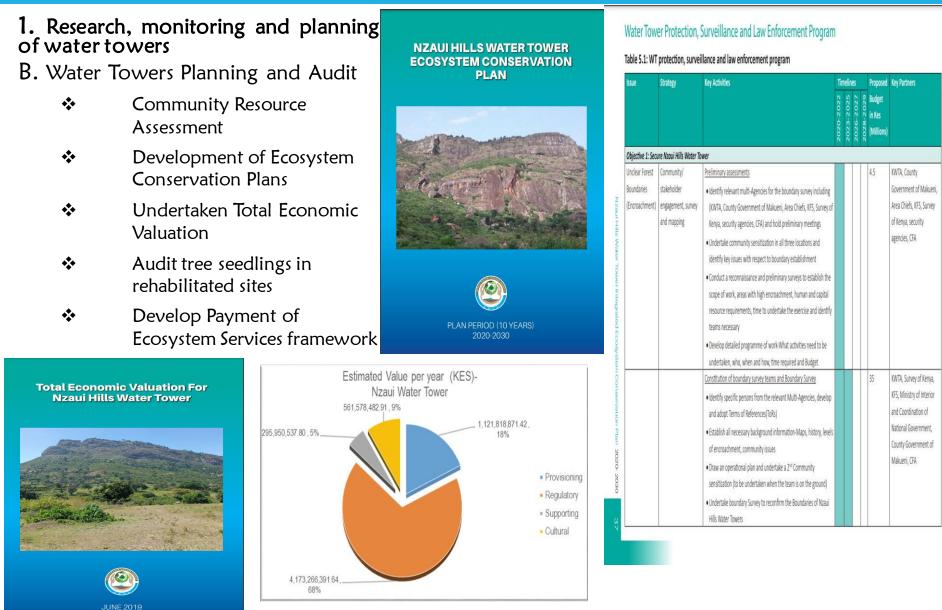
• Place Name: Forest Area Location

2019 Pop Densit

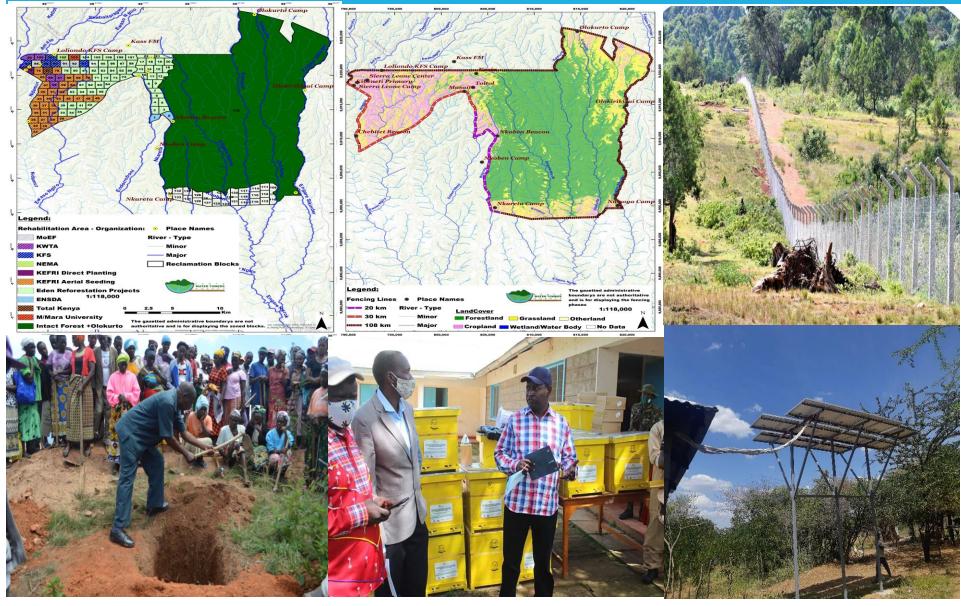
174 - 750 751 - 1,500 1,501 - 2,250 2 251 - 3.00

Water Tow

Approaches Adopted: Scientific Research

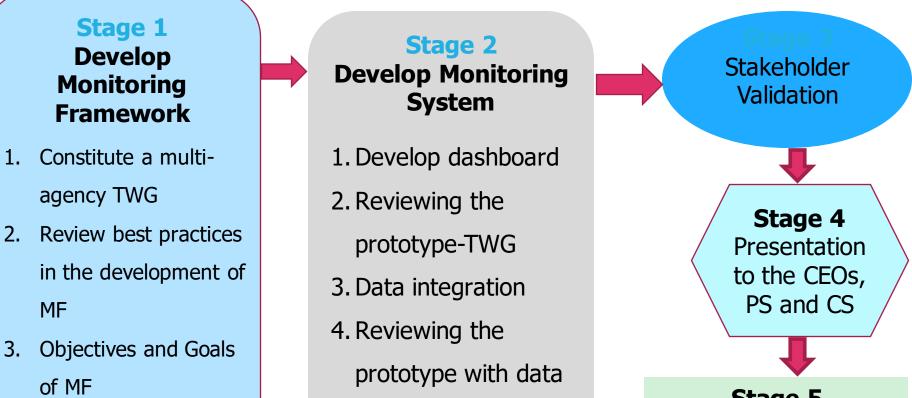


Approaches Adopted: Implementation and monitor water towers ecosystem



Integrated Water Towers Monitoring System

Process of developing a Monitoring system



- 4. Indicators & Metrics for the Goals
- 5. MF Validation

5. Testing the system

Stage 5 Implementation of the Monitoring system

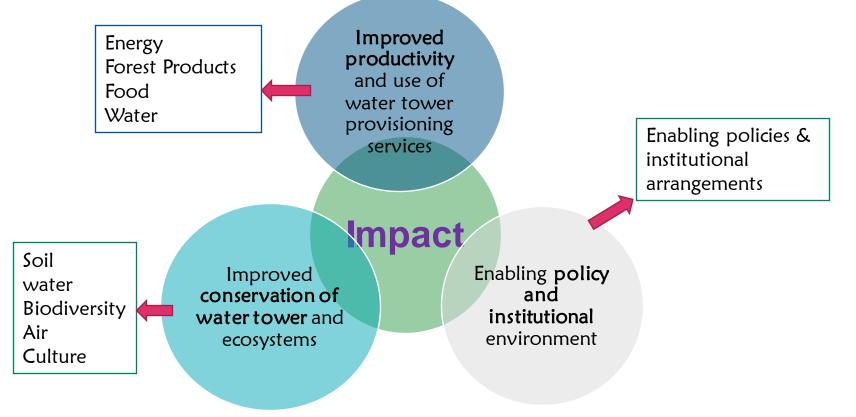
^{10/14/2022} Process of developing the Monitoring System

- Multi-stakeholder driven- developed through a Technical Working Group bring on board 18 institutions (mainly state actors)
- Technical support from World Resource Institute (WRI)

1. Kenya Forest Service	11. Kenya Institute for Public Policy Research and
2. Council of Governors	Analysis
3. Ministry of Agriculture	12. Ministry of Water and Sanitation
4. Kenya Forest Research Institute	13. National Museums of Kenya
5. Kenya Metrological Department	14. Nature Kenya
6. Kenya Wildlife Service	15. Ministry of Environment and Forestry
7. Climate Change Directorate	16. Ministry of Energy
8. Water Resources Authority	17. Kenya National Bureau of Statistics
9. National Environment Management Authority	18. Ministry of Industrialization and Trade
10. World-Agro Forestry Center - ICRAF	

IWTMS Goal: Sustainably Managed Water Towers and Ecosystem

- Identified three main goals
- 256 indicators to be monitored within the water towers
- Prioritized 76 indicators out of the 256 for piloting



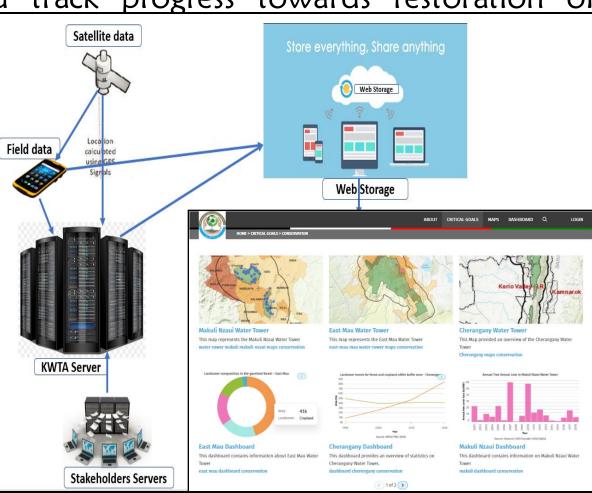
^{10/14/2022} Integrated Water Towers Monitoring System(IWTMS)

KWTA has developed an Integrated Monitoring System for

collecting and integrating data from various stakeholders to inform implementation and track progress towards restoration of water towers

Platform for managing and visualizing water towers information via a web platform

Integrates data from various stakeholders



Framework to System

Water Towers Monitoring

Framework

Technical Report on Integrated Water Towers Monitoring Framework for Kenya



Provides guidance on **indicators**, **metrics** and **criteria** for monitoring within the Water towers

Water Towers Monitoring System Portal - Home Page



Background of Integrated Water Towers Monitoring System (IWTMS)

The Water Towers are multi-functional and provide significant ecosystem goods and services that are important for the livelihoods, hydrology and biodiversity of the surrounding communities and the wider region in which they occur.

However, wanton destruction of these important ecosystem has led to the country experiencing prolonged dry season towards the end of 2017 which led to acute shortage of water flows resulting to low water levels and drying up of rivers, streams and wells. This situation has been occurring over the years and is attributed to deforestation; degradation and encroachment of water towers; catchment and riparian areas. In addition, expansion of agricultural and settlement activities into forested areas; unsustainable land-use practices; and overharvesting of forest resources in the farmlands have aggravated the problem. This therefore call for deployment of technologies to aid in effective monitoring, surveillance, tracking and other intervention for efficient and sustainable water towers management. The goal of the Water towers watch is to provide cost-effective, scientifically based and integrated information on ecosystem conditions to inform programs, and policies intended to protect and manage the Water Towers

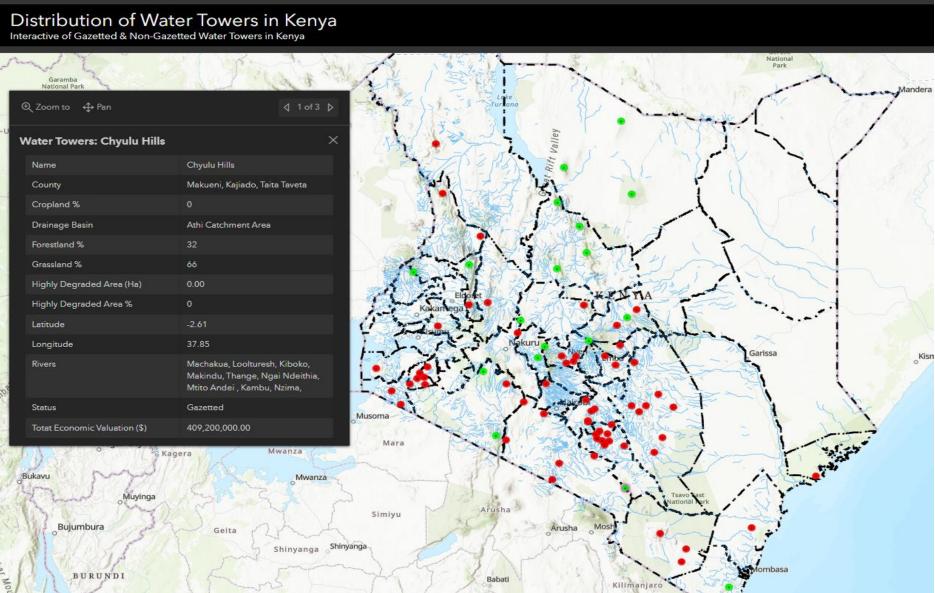
The Kenya Water Towers Agency Strategic plan for the year 2014-2019 provided need for development of infrastructure and tools for monitoring ecosystem health of the water towers. The Agency therefore formed a technical working group bringing together total of 17 institutions, mostly drawn from Government institution to help in developing the framework which highlight the indicators and metrics to measured so as to report on the health status of the water towers.

The framework was then transition to an integrated water towers monitoring system (referred to as Water Towers Watch). The Water Towers Watch is a web-based system developed in collaboration with World Resources Institute. It comprises of a dashboard for visualizing water towers maps and a dashboard showing graphs and pie charts of trends and proportion of indicators being reported.

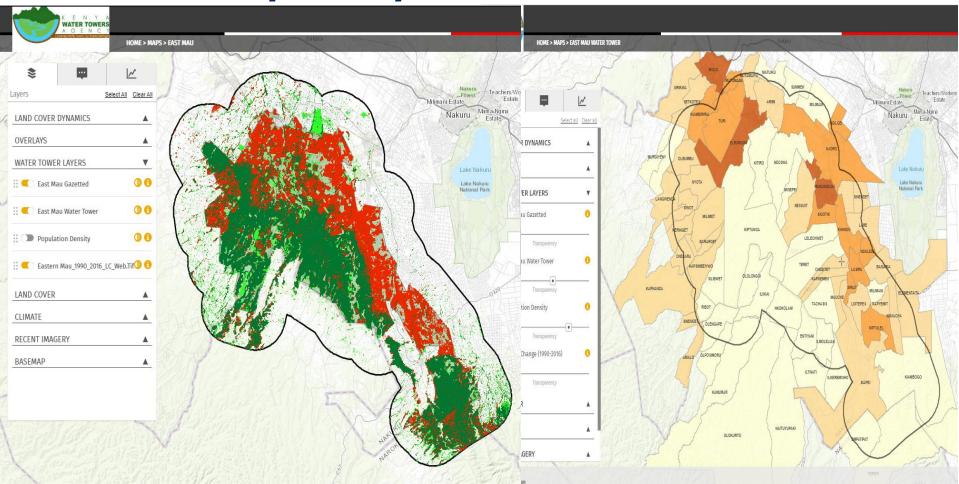
https://www.arcgis.com/apps/dashboards/073aae6540e24506bcaf65f2e307162b

Integrates datasets collected and processed by various institutions in form of maps and graphs (dashboard)

Integrated Water Towers Monitoring System *Portal – Water Towers Interactive Map*



Integrated Water Towers Monitoring System Portal – Maps (15 uploaded



East Mau Maps Portal Link

Integrated Water Towers Monitoring System

East Mau Dashboard

Fast Mau Water Tower

Landcover trends for forest and cropland within gazetted forest - East Mau

Landcover trends for forest and cropland within the gazetted forest - East Mau

Landcover trends for forest and cropland within

Landcover trends for forest and cropland within buffer zone - East

Cropland

Forest

Cropland

PNG 🛃

¥

2016

PNG 🛃

Forest

45k

40k

35k

30

2 25k

20k

15k

10k

0k

Mau

PNG 🛃

1990

Source: KWTA (1990 - 2016)

buffer zone - East Mau

Landcover composition in the gazetted forest -East Mau

Landcover composition in the gazetted forest - East Mau

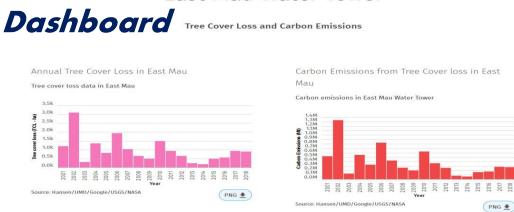
Landcover composition in the gazetted forest and buffer zone



Landcover composition in the buffer zone - East Mau

Landcover composition in the buffer zone - East Mau





Water Tower Population

Number of Households in East Mau Water Tower

Number of households around the water tower

3.5k

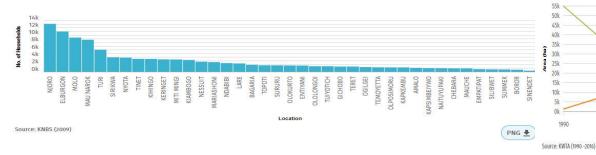
3.0k

2.5k

2.0k

1.5k 1.0k

0.5k



East Mau Dashboard Portal Link

Challenges Faced

- 1. Financial Limitations
- 2. Software Updates
- 3. Tear and wear of equipment
- 4. Data acquisition limitations
- 5. Data sharing limitations
- 6. Modification of the GUI
- 7. Skilled Personnel

Future Plans

- 1. Ensure **goodwill** among institutions providing data Reaching out to the Key Decision Makers (C.E.Os)
- 2. Actualizing the data sharing guidelines (protocol)
- 3. Official Launch of the System
- 4. Upload all data collected for the already assessed Water Towers
- 5. Increasing Technical Capacity
- 6. Capacity building of institution on data management and utilization of the system
- 7. Acquiring/Upscaling to ArcGIS Enterprise
- 8. Developing **algorithms** to mine, process, and visualize data from various sources
- 9. Development of Mobile applications to facilitate crowdsourcing data from communities and rangers
- 10. Tracking User Traffic using Google Analytics.



Panel: Challenges to owning, operating, and maintaining NBS



Melissa de Kock Head of the Biodiversity, People and Landscapes Unit UNEP



Hannah Benn Engagement Manager Pegasys



Kevin Mutia Professional Officer, Urban Systems ICLEI Africa Larissa Duma Urban Ecology and Resilience Specialist World Bank

Intro

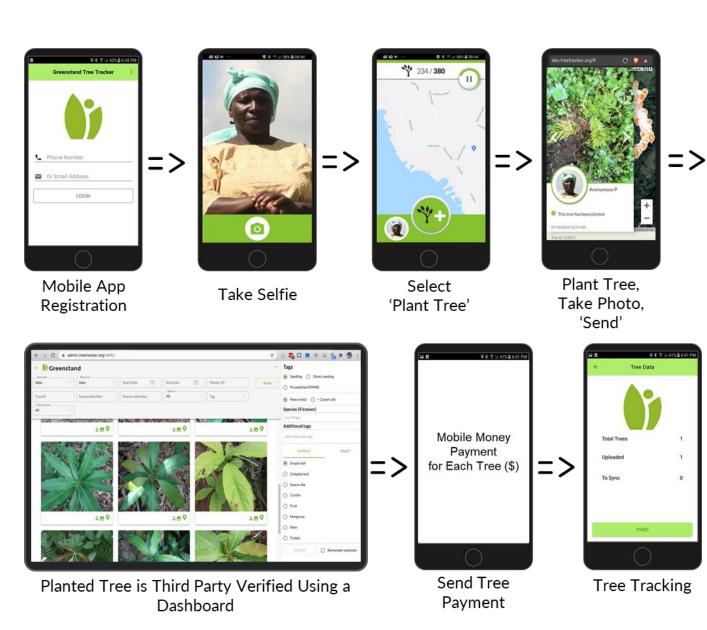
Session 1

Session 2

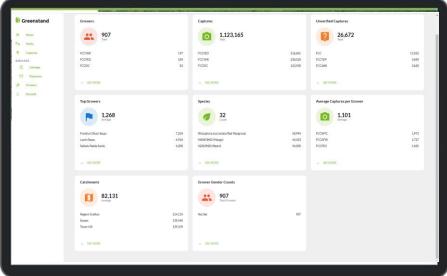
Break

Session 3

Tree Tracking & Verficiation- Freetown, Sierra Leone







Tree Monitoring Dashboards

Session 2 Summary



Intro

Session 1

Session 2

Break

Session 3







Session 2

Break



Session 3.

Scaling and replicating NBS infrastructure investment

Intro

Session 1

Session 2

Break



Scaling and Replicating NBS Infrastructure Invesment



Photo: Aaron Minnick | World Resources Institute; Kakamega Forest, Kenya

Intro

Session1

Case Study

 Mary-May Jeremie, Chief Executive Officer, Seychelles' Conservation and Climate Adaptation Trust (SeyCATT)

Conclusion

Panel session

- Kevin Massingham, FSD Africa
- Ian Isherwood, WWF Kenya
- Marie-May Jeremie, SeyCATT

Session 3

Summary

Break

Case Study: Seychelles Debt-for-Nature Swap



Marie-May Jeremie

Chief Executive Officer SeyCCAT

Intro

Session 1

Session 2

Break

Session 3

Panel: Barriers to Financing and Scaling NBS



Kelvin Massingham Director, Risk and Resilience FSD Africa Marie-May Jeremie, Chief Executive Officer SeyCCAT



lan Isherwood Bankability Lead, Bankable Nature Solutions (BnS) WWF Kenya

Intro

Session 1

Session 2

Break

Session 3

Session 3 Summary



Intro

Session 1

Session 2

Break

Session 3

Closing remarks and next steps

Intro

Session 1

Session 2

Break



Closing Remarks



Boris van Zanten Nature-based Solutions & Disaster Risk Management Consultant World Bank Group



Sun Cho Country Engagement Coordinator Green Growth Knowledge Platform (GGKP)

Intro

Session 1

Session 2

Break

Session 3

Closing Remarks



Photo: Sabin Ray | World Resources Institute; Machinga District, Malawi

Stay Engaged:

- Project Developer Survey
- Investor Survey
- Contribute to interviews
- Share innovative case studies

Conclusion

 Help build a community of practice

Intro

Session 1

Session 2

Break

Contact

Rory Hunter | NBS in Africa Manager

Cities4Forests and Natural Infrastructure Initiative World Resources Institute <u>Rory.hunter.5@wriconsultant.org</u>

Lizzie Marsters| Environmental Finance Manager

Cities4Forests and Natural Infrastructure Initiative World Resources Institute <u>Lizzie.marsters@wri.org</u>

Emmie Oliver | Research Analyst

Cities4Forests and Natural Infrastructure Initiative World Resources Institute <u>Emmie.oliver@wri.org</u>



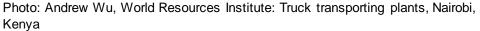
<u>Appendix</u>

Cities **4** Forests

Deliverables

- Technical Note: By COP27, a published methodology of regional project inventory and initial findings of a rapid scan of MDB-led NBS projects in SSA
- Workshops in May and September 2022 with regional project developers and partners to evaluate challenges and opportunities to scale NBS
- Searchable Project Database of NBS projects led by MDBs, NGOs, governments, and other actors.
- **Final Report** to be published in August 2023 capturing full spectrum of trends and opportunities
- Outreach Materials throughout the engagement, including blogs, infographics, PowerPoints, and jointly sponsored events to disseminate key findings

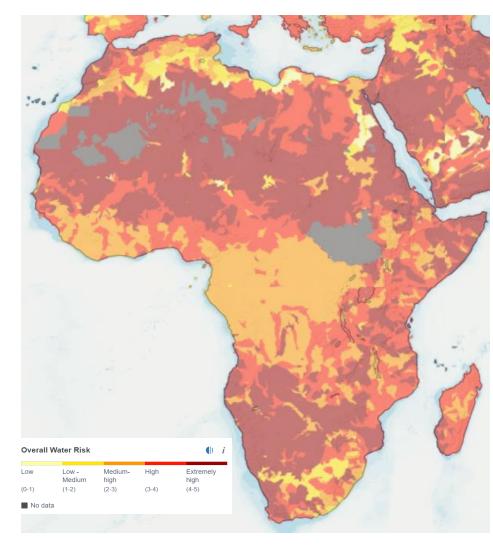


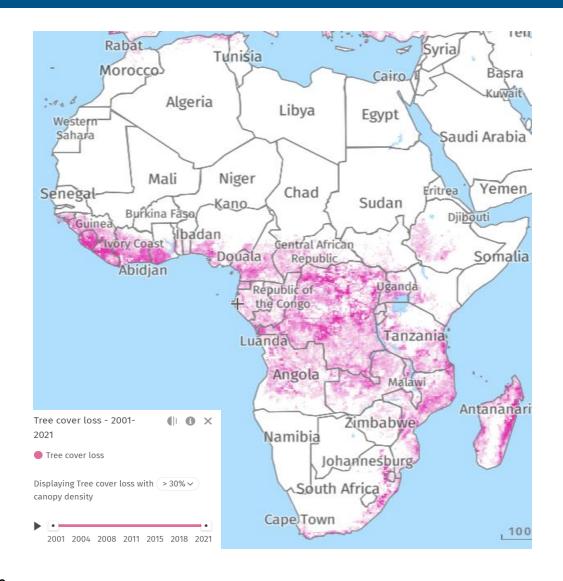


Cities 4 Forests

www.cities4forests.com

The Urgency of the Moment





Cities 4 Forests

www.cities4forests.com