

A large tree stands on a hill. The left side of the hill is covered in cracked, dry earth, while the right side is lush green grass. The sky is dark and stormy on the left, transitioning to a bright blue sky with clouds on the right.

Ecosystem Restoration for Climate Resilience in Uganda

Inspiring Community for Action



The 5 mega-trends facing
the world you have to
know about

Source: Terra Incognita,
Ian Goldin & Robert Muggah

Resilience:

01

Ability to predict

02

Ability to evaluate
Impact

03

Ability to bounce back
and bounce forward

Community Action:

1

To prevent



2

To halt



3

To reserve



Loss and degradation

“
Victorious warriors win
first and then go to war,
while defeated warriors go
to war first and then seek to
win.”



~ Sun Tzu

Reality Check:

In 2021, the UN declared the 2030 UN decade on Ecosystem restoration

There is NO plan B!

Greed is Dead!

PPCS partnership: catalyst for resilience and deepening biodiversity conservation

Net Zero transition!

AI for climate adoption

The 6G to restore the planet

Adopt or die!

“Destruction of the environment is an offence to God- a sin that endangers all human beings especially the most vulnerable. Climate change is a global social issue.”

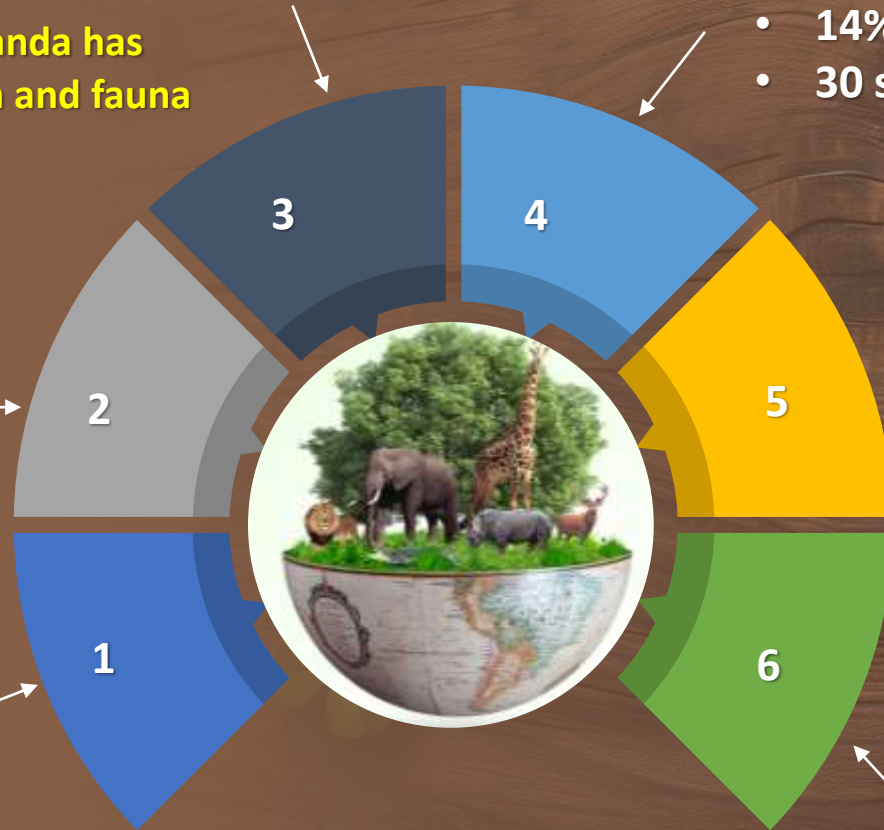
~ Pop Francis at UN cop28

Reality Check: Uganda

Biodiversity loss and degradation conservation are urgent. **Uganda has 18,783 recorded species of flora and fauna**

Biodiversity-linked societal tensions are rising. **Unsustainable use of biodiversity resources**

Biodiversity disruption is accelerating **Uganda loses biodiversity 10%-11% every decade**

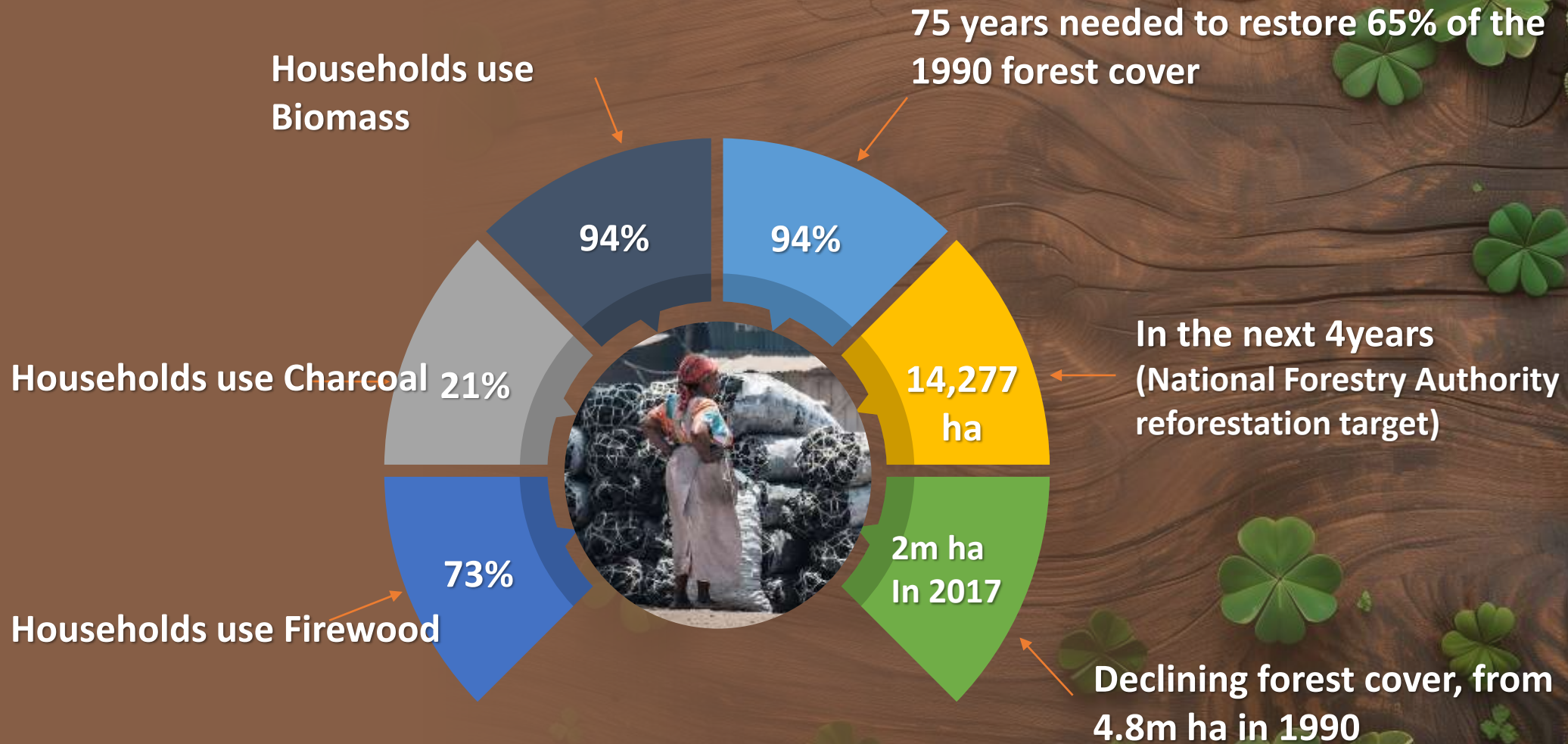


- 600 species of fish
- 14% of Africa's reptile species
- 30 species of antelopes

- 53.9% of the world's population of Mt gorillas
- 5,406 species of plants
- 1,249 species of butterflies

- 11% of world's bird species
- 39% of Africa's mammal diversity
- 19% of Africa's amphibian species

Uganda



Source:

Kampala



Population: **2300 micro grams** per cubic meter



Demand is growing



Population: No above tolerable limit



Africa's demand for water to rise by **40%** by **2030**



Demand on Nature is **X 1.7**



Demand for food to rise by **35%** by **2030**

Reality Check:



Does tree planting fuel pollution?



What is the business opportunity in the Green Ecosystem or Net Zero approaches?



Should banks avoid schools and institutions using charcoal and firewood?



Should banks avoid businesses whose supply chains are not sustainable?



Decarbonizing the built environment?



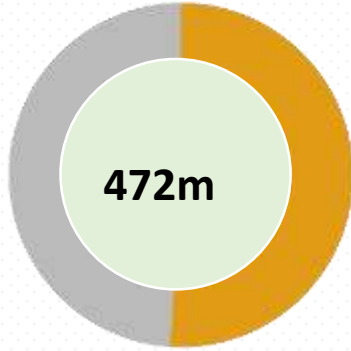
Venomous snakes migrating in large numbers (by Lancet study 2024)

The collapsing lungs of East Africa

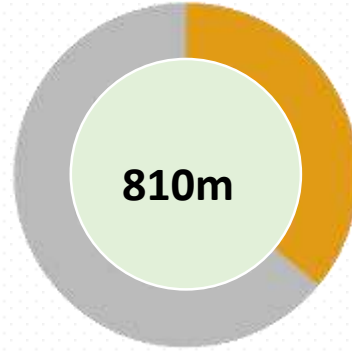
The Congo Basin



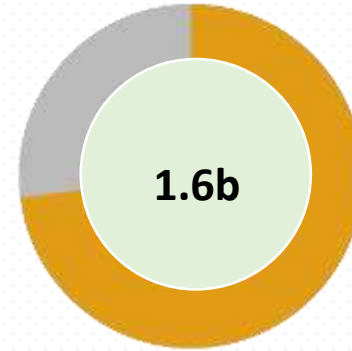
Pressure on food and safety



Live in African cities



Will live in cities by
2035



Will live in cities by
2050



Challenge:

Africa:
2% of billions in global
renewal energy
investment

Africa:
Only 3% of
Green jobs

Indiscriminate
harvest of trees

Wetland encroachment

Limited awareness,
limited compliance and
enforcement

Plastic materials in
drainage channels

Shrinkage of rain
catchment

River and Lake Banks'
destruction

The Green Ecosystem



Emerging Themes

Biodiversity:

- Knowledge
- Expertise, Academia
- Community action
- Researchers, FBOs

Education:

- MOOCS
- Workshops/events
- Green clubs
- Geo Health Hub

Culture:

- Norms, Rights
- Music, dance & drama
- Students & Volunteers

Climate Sustainalytics

- Air Q (Makerere Uni.)
- Monitor air pollution
- Climate-friendly Martyrs Day

Restoration flagships:

- Targets
- Actions
- Measurement
- Reinforcement

Business and industry:

- Nature-based solutions
- Shared value policies and practices

Cities:

- Eco-friendly vehicles
- planning speed vs development speed
- Air quality regulations

- 42 micrograms per cubic meter
- Ridership
- Carbon sinks

Early dividends from E-Mobility



“I believe the decarbonizing of the global economy is going to create the greatest investment opportunity of our lifetime.”



~ Larry Fink

Emerging Themes: Options & Actions

01

Finance

- Sustainable Finance
- Financial markets
- Commercial & central bank
- Investment instruments

02

Human Nature relationship

- Harmony
- Policy and practices
- Valuing
- Accounting

03

Food

- Eco restoration model camps
- Eco-agri-food awareness
- Agricultural Insurance

04

Fresh water

- Water
- Waste water
- Solid waste and hazardous materials

05

Youth

- Green jobs
- Gen Z and Gen Alpha
- Tree by tree initiative
- Creation project

06

Land

- Degradation
- Neutrality by 2030

Impact:

Regulations

Disclosures

New markets

Emerging themes

Net zero

Fiscal policies

Sustainable
finance, food,
fuel

Impact: Envisioning future opportunities

Principles of responsible investments:

1

SDG 1: Poverty

8

SDG 8: Decent work

3

SDG3: Health

9

SDG 9:
Innovation, industry, infrastructure

4

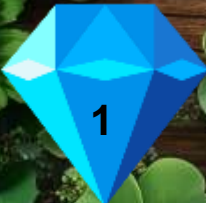
SDG 4: Education

13

SDG 13: Climate

Impact of Global Trends in Uganda's Economy

Economic shifts and trade dynamics



Pandemics and resilience



Tech advancements and digital transformation

Climate change and environmental sustainability



Demographic shifts and urbanization



THICKER:

T

Lower Emerging Technologies, Green ICT

H

Green Tech Skills

I

Innovations/Insights:
in Industry, transport or energy systems

C

Collaboration/partnerships,
Compliance to standards

K

Knowledge products – backed up by Data

E

Ecologically friendly future,
Evidence-based

R

Risk – Mitigation and adaptation

F

Fast track the transition road map

F

FLLCAP

Fix the climate action | Finance | mitigation –
Adaptation

F

Focus on lives and livelihoods

F

Focus on decarbonization

“Let us bring together leaders from Governments, Businesses and Civil society to exchange perspectives, co-create solutions and forge partnerships for action on Climate and Nature.”



**CEO
Summit
Uganda**
Elevate • Engage • Empower

REGENERATE
AFRICA

Parting Thoughts:

Together in planet restoration, we can:

01

Create opportunities



02

Impact communities



03

Transform lives and livelihoods



04

Drive positive impact in the national
Diversity Framework



**THANK
YOU!**

Q

&

A