

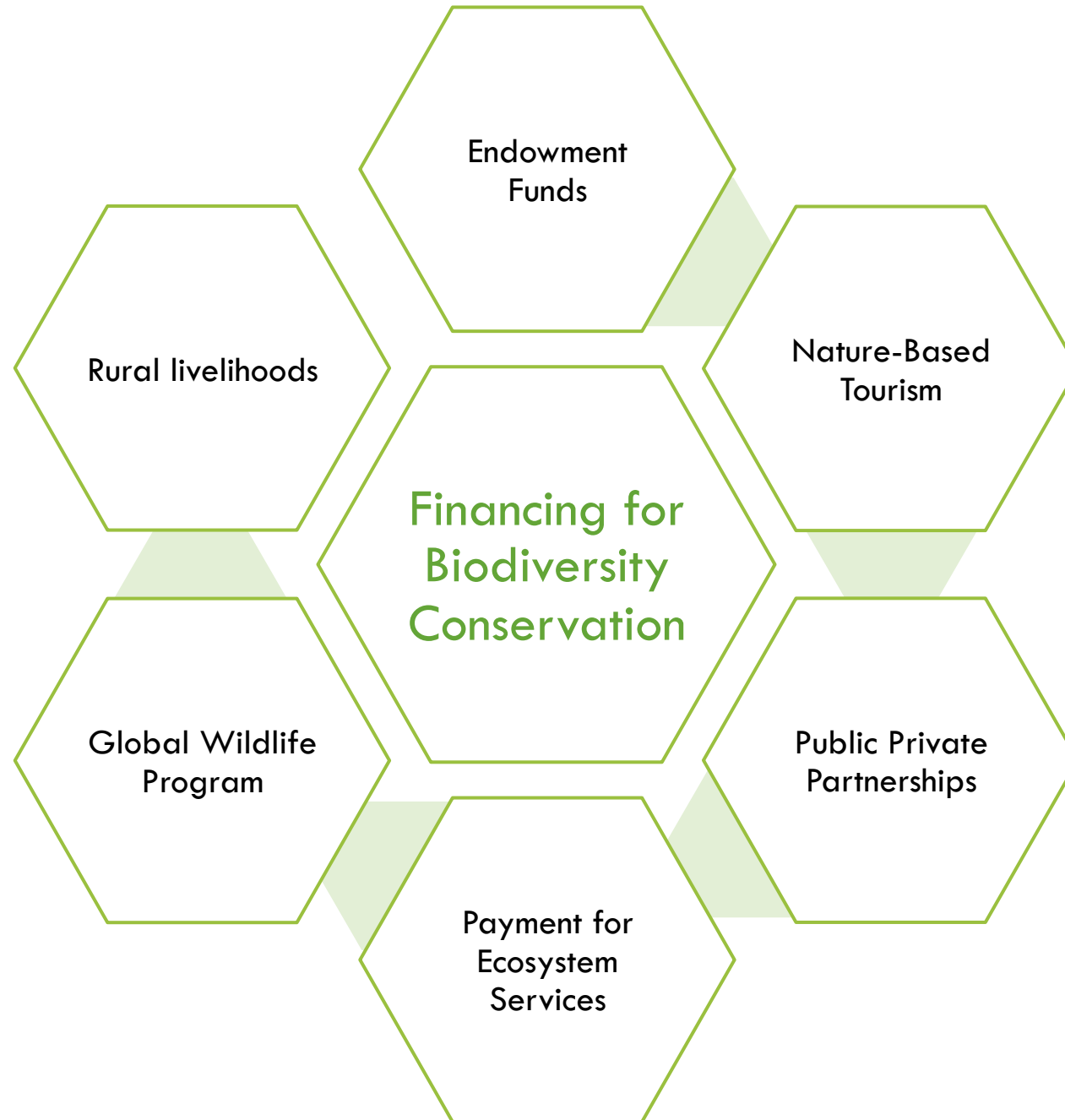


**FINANCING  
BIODIVERSITY  
CONSERVATION** *Experiences  
from the World Bank*

SADC TFCA Network Meeting

**Andre Aquino**

Senior Natural Resources  
Management Specialist



# ENVIRONMENTAL & CAPITALIZATION OF NATIONAL BIODIVERSITY / ENVIRONMENTAL FUNDS

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Case Study Example:  
Latin America and Mozambique



# ESTABLISHMENT AND CAPITALIZATION OF ENDOWMENT FUNDS

## **Mozambique – BIOFUND - First national endowment fund in southern Africa**

*IDA (World Bank) + GEF financing*

- **Endowment Fund – GEF financing**

- 2015 - First disbursement of US\$3.2 million
- 2018 - Second disbursement expected through GEF 7 financing – under preparation

- **Technical Assistance – IDA financing**

- 2014 – 2018: covering the operational costs of Biofund → allowing endowment fund capital gains to be fully used in PA management in initial years
- 2019 – 2024 – Continued support to operational costs, with new functions – particularly building capacity of local leaders on conservation

## Amazon Region Protected Areas Program (ARPA)

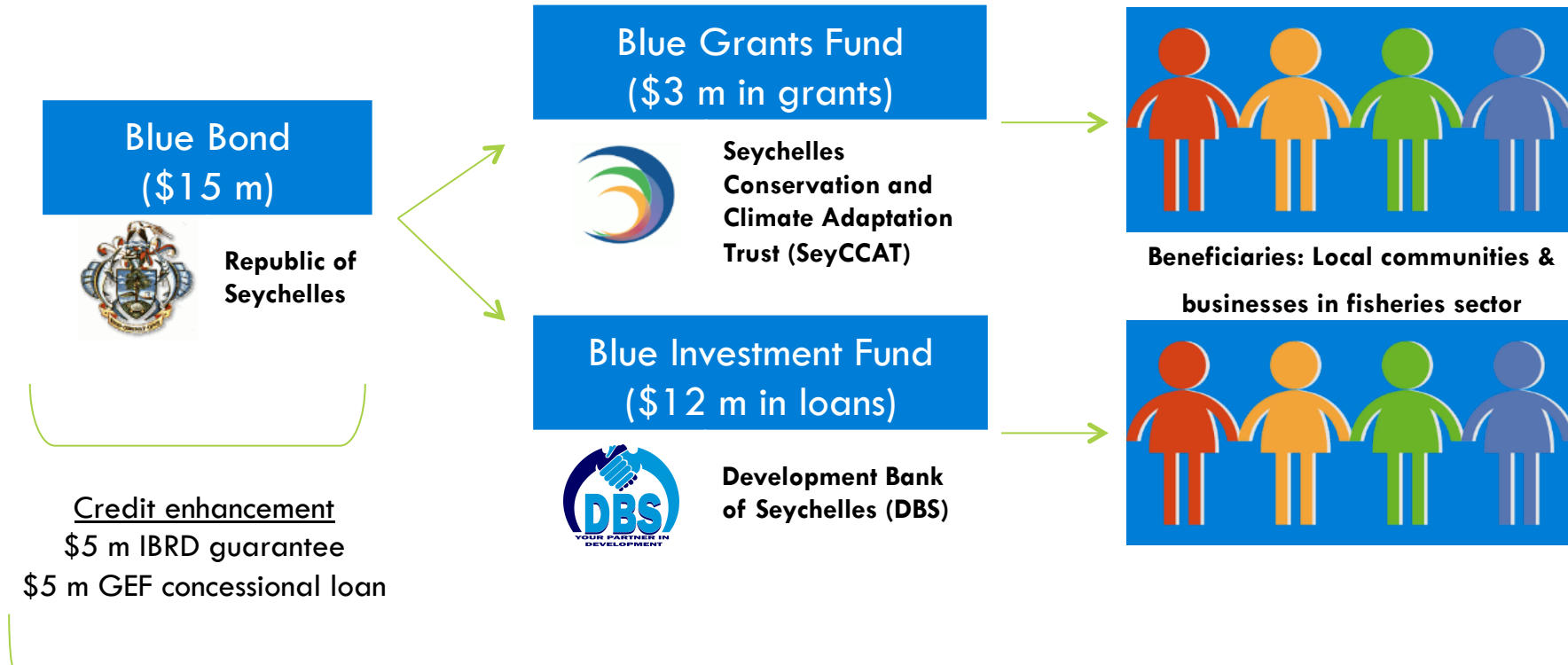
**World Bank (IDA) + GEF Financing + FUNBIO**

- Brazilian Biodiversity Fund (FUNBIO) that was created in 2004
- Following success of FUNBIO, an ARPA Endowment Fund of **US \$121.3 million** was created with annual disbursements to selected PAs
- Establishing, expanding and strengthening the protection of 60 million hectares of rainforest.



# Seychelles' Blue Bond

## Innovative Finance for a Transition to Sustainable Fisheries



### SWIOFish3 Project (IBRD loan \$ 5 m; GEF grant \$ 5.29 m)

Public sector investments through implementing institutions:

Ministry of Fisheries and Agriculture, and Seychelles Fishing Authority

Ministry of Environment, Energy and Climate Change

Ministry of Finance, Trade, Investment and Economic Planning, and Department of Blue Economy

# PROMOTING NATURE- BASED TOURISM

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Case Study Examples:  
Mozambique & Tanzania



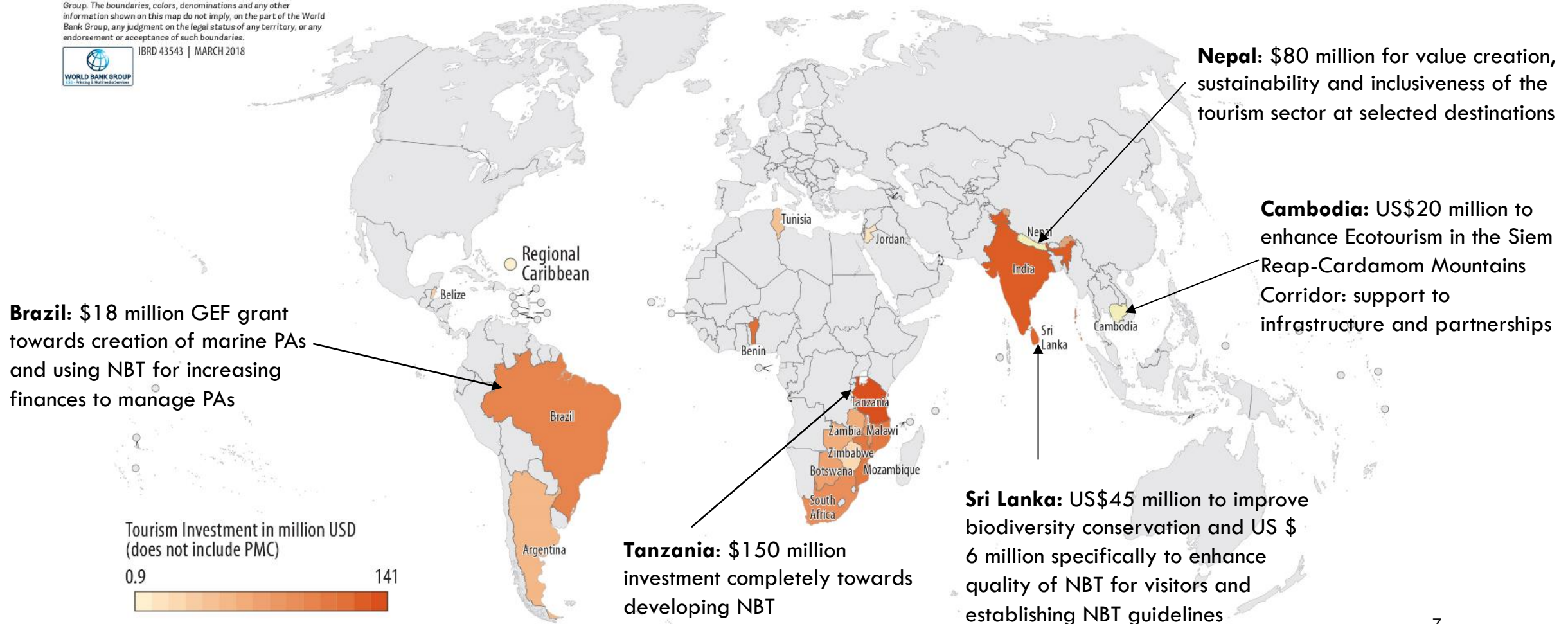
Picture by By Sergey Novikov, Shutterstock.com

# NATURE BASED TOURISM: CURRENT PORTFOLIO (>400 MI)

This map was produced by the Cartography Unit of the World Bank Group. The boundaries, colors, denominations and any other information shown on this map do not imply, on the part of the World Bank Group, any judgment on the legal status of any territory, or any endorsement or acceptance of such boundaries.



IBRD 43543 | MARCH 2018



# MOZAMBIQUE CONSERVATION AREAS FOR BIODIVERSITY AND DEVELOPMENT PROGRAM (MOZBIO)

## World Bank Involvement

- US\$40 Million (IDA)
- US\$6 Million (GEF)
- 4 year duration (2014 - 2018)
- Next Phase: MOZBI 2.0 – US\$ 45 million (IDA) + US\$13.5 million (GEF 7)



## Impact of first phase:



**1.8 million ha.** under biodiversity protection



Regularized **3** tourism concessions



Signed **2** co-management agreements



Construction of vital **tourism infrastructure**



Income derived from tourism and returned to community: **\$ 3,201,061**



Created **1,549 conservation-related jobs**



# TANZANIA - RESILIENT NATURAL RESOURCE MANAGEMENT FOR TOURISM AND GROWTH PROJECT (REGROW)

## World Bank Involvement

- **US\$150 Million (IDA)** - to improve management of natural resources and tourism assets in priority areas of Southern Tanzania and to increase access to alternative livelihood activities for targeted communities.



## Activities



Improve the country's capacity to conserve its wildlife as basis to attract tourists



Improve infrastructure and upgrade roads in the Southern Circuit



Increased economic benefits to 20,000 households through conservation friendly livelihoods



Strengthen "Destination Southern Tanzania" – tourism product development, skills training & marketing

# SOUTH AFRICA - AIRBNB PARTNERSHIP

CONFERENCE IN CAPE TOWN | SEPTEMBER 11-13, 2018

## Vision and Program

- Bank partnered with AIRBNB to promote inclusive tourism
- Looking at opportunities to pilot 'homestays' and tourism experiences among community members around protected areas
- Currently identifying candidate areas





GOVERNMENT OF MOZAMBIQUE

# PROMOTING PUBLIC-PRIVATE PARTNERSHIPS

Case Study Examples: Mozambique



MOZAMBIQUE CONSERVATION AREAS



# PPPs AND CO-MANAGEMENT MODELS - MOZAMBIQUE

## 12 Conservation Areas

Open for PPPs

**>500 million**

In private investments pledged

## Ongoing Agreements

- Carr Foundation
- Peace Parks Foundation
  - African Parks IGF

## PPP Types:

Concessions, Lease, Management Contracts, integrated co-management, financial and technical support

Gorongosa NP



Maputo Special Reserve and Banhine NP



Limpopo NP



Bazaruto Archipelago NP & Quirimbas NP



# STRENGTHENING REGULATIONS AND REGULATORY CAPACITY FOR PPP – THE CASE OF ANAC IN MOZAMBIQUE

- Mozbio 2 project (US\$45 million – IDA / World Bank) will support Mozambique's ANAC in strengthening its institutional and human capacity
- Establishment of a Business Management Unit
  - PPP specialist
  - Tourism specialist
  - Marketing specialist
- In past, support to develop regulations on tourism concessions in PAs
  - IFC Anchor project to support countries in developing regulations
  - Support in negotiating initial delays (such as Chemucane in Maputo Special Reserve)

# BIODIVERSITY OF



## A National Biodiversity Offset System: A Road Map for Mozambique



# PROMOTING PAYMENT FOR ENVIRONMENTAL SERVICES

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Case Study Examples: Mozambique



Picture by: Dennis van de Water, Shutterstock.com

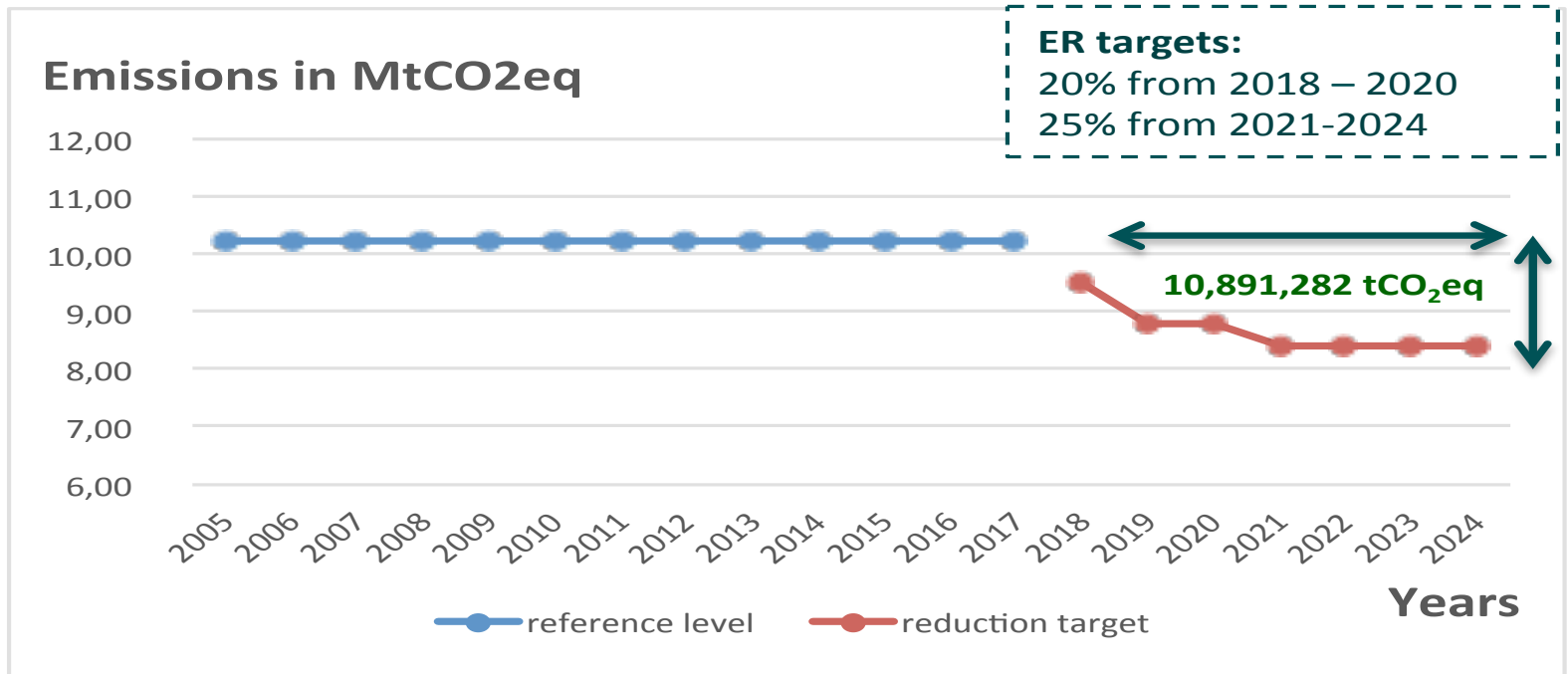
# ZAMBEZIA LANDSCAPE PROGRAM: PAYMENTS FOR VERIFIED REDUCTIONS



9 districts: 5.3 million ha  
3 million ha forest (56%)

Deforestation rate above national level: 35,061ha/yr

**Gile National Reserve: biodiversity hotspot**

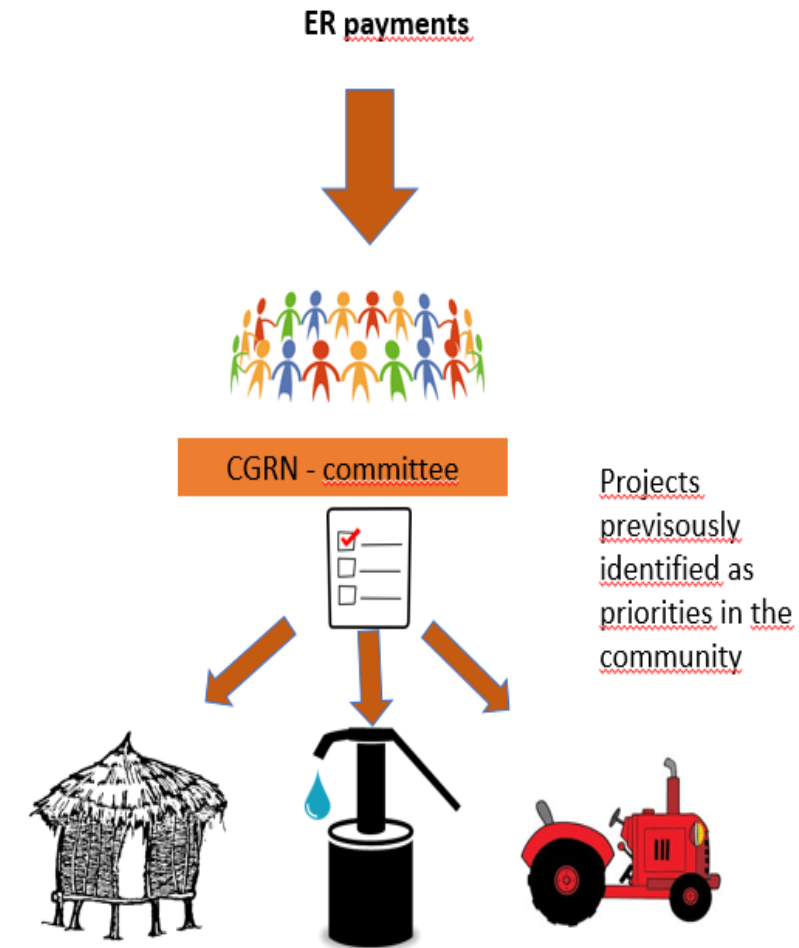




# ZAMBEZIA - BENEFIT SHARING PLAN

**Performance based:** Payment will occur only if deforestation is reduced.

- 70% to delimited communities in the forest area
- 10% districts, province and the Gile National Reserve
  - Gile REDD+ Plans
- 20% to private sector
  - Matching Grant



# FINANCING RURAL LIVELIHOODS – SUSTAINABLE VALUE CHAINS

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Case Study Examples: Mozambique



# New approach for MozBio 2

## CONSERVATION AREA

### **Environmental Awareness**

Environmental awareness and education campaigns through the use of cultural activities including local community radio programs (including family planning messages);

- Support to girls and environmental clubs, scholarships to local youth and promotion of vocational training;
- Strengthening CBOs among local communities
- a pilot of payments for ecosystem services (PES) in MSR;
- Small works to promote human-wildlife co-existence in selected CA landscapes.

## BUFFER ZONE

## OUTSIDE AREA

### **Matching Grant Scheme**

- Promotion of conservation-compatible value chains (agriculture, fisheries, tourism, non-timber forest products...);
- Financial literacy of local communities through the establishment of Saving and Credit Groups (PCRs).

MGS will target local entrepreneurs, CBOs, and micro, small, and medium enterprises.

# GLOBAL WILDLIFE PROGRAM



## LEVERAGE FINANCING

for Protected areas and NBT from  
GEF-7 + IDA + other donors



## PROGRAMMATIC APPROACH

National projects contribute to  
large scale impact than if  
implemented individually



## INCREASED COLLABORATION

with GEF IAs, PSC, and national,  
global partners



Expedites GEF national project  
approval under the Program  
Framework

**The GWP Global Grant to the World Bank Group supports an Applied Knowledge and Collaboration Framework that:**

- ✓ Facilitates sharing of lessons learned and best practices
- ✓ Connects clients to industry experts
- ✓ Supports the development innovative tools
- ✓ Provides on-demand technical workshops
- ✓ Conducts legal and policy analysis to combat IWT
- ✓ Supports effective monitoring and communications for global awareness and action on IWT
- ✓ Increases possibility to design and implement regional activities

# TAKE AWAY MESSAGES – WHERE IS THE MONEY?

1. **Endowment funds**
  - Keep administrative costs low
  - Offer services beyond financing, show results (M&E)
  - Clear and transparent procedures for allocating fund resources to the field
  - Clear division of roles between Fund and Protected Area authority
2. **Environment services – slow to emerge, but potential**
  - How much ecosystem services does the PA generate? First step!
3. **Private sector**
  - investments in nature-based tourism
  - private concessions
  - biodiversity offsets
4. **Link biodiversity conservation to rural development**
  - sustainable use of renewable natural resources (forests, wildlife fishing)

# Global Wildlife Program

19  
Countries

US \$131  
million

~50  
Protected Areas and  
Ecosystems

