GLOBAL RESTORATION INITIATIVE

World Resources Institute
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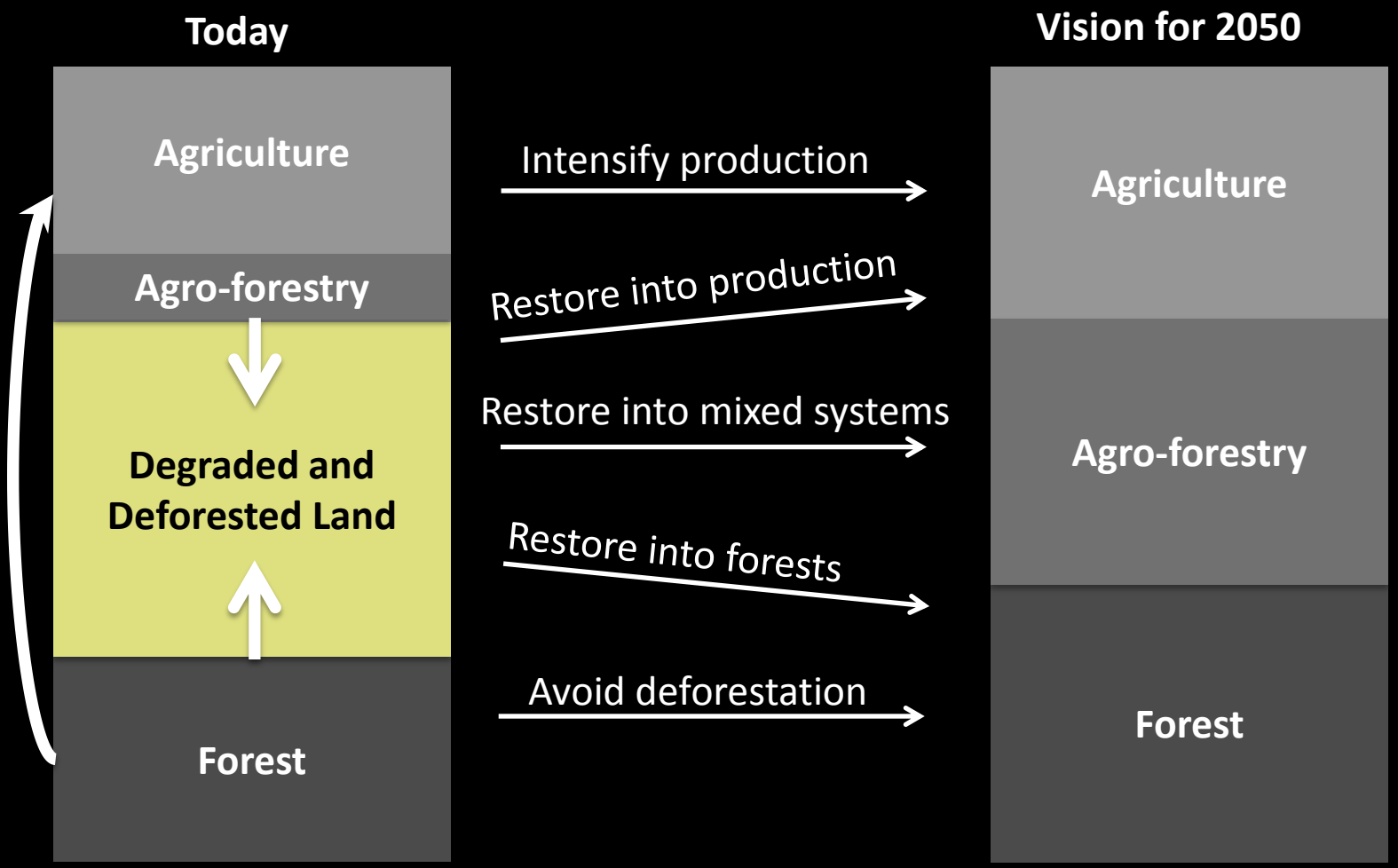
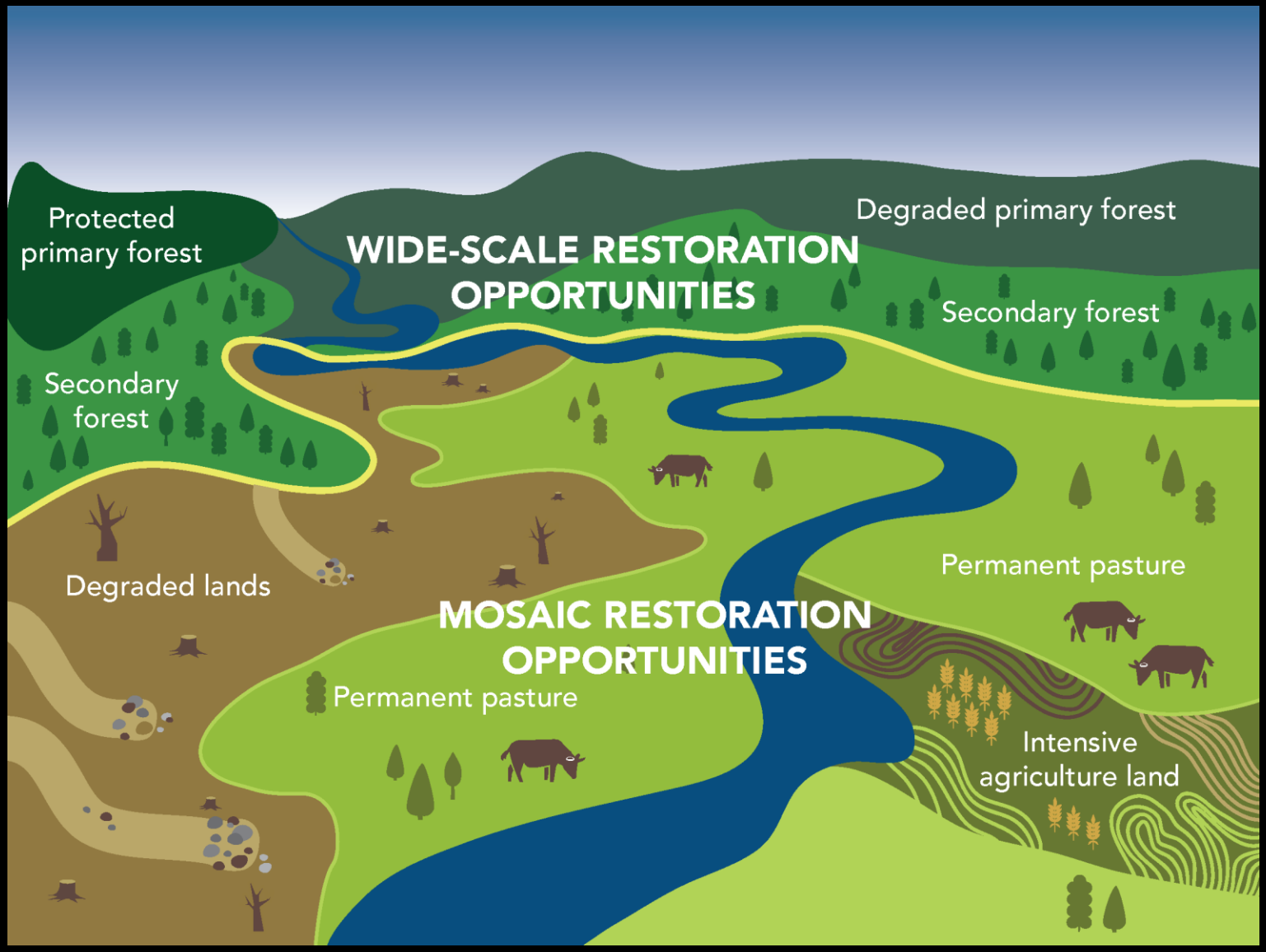
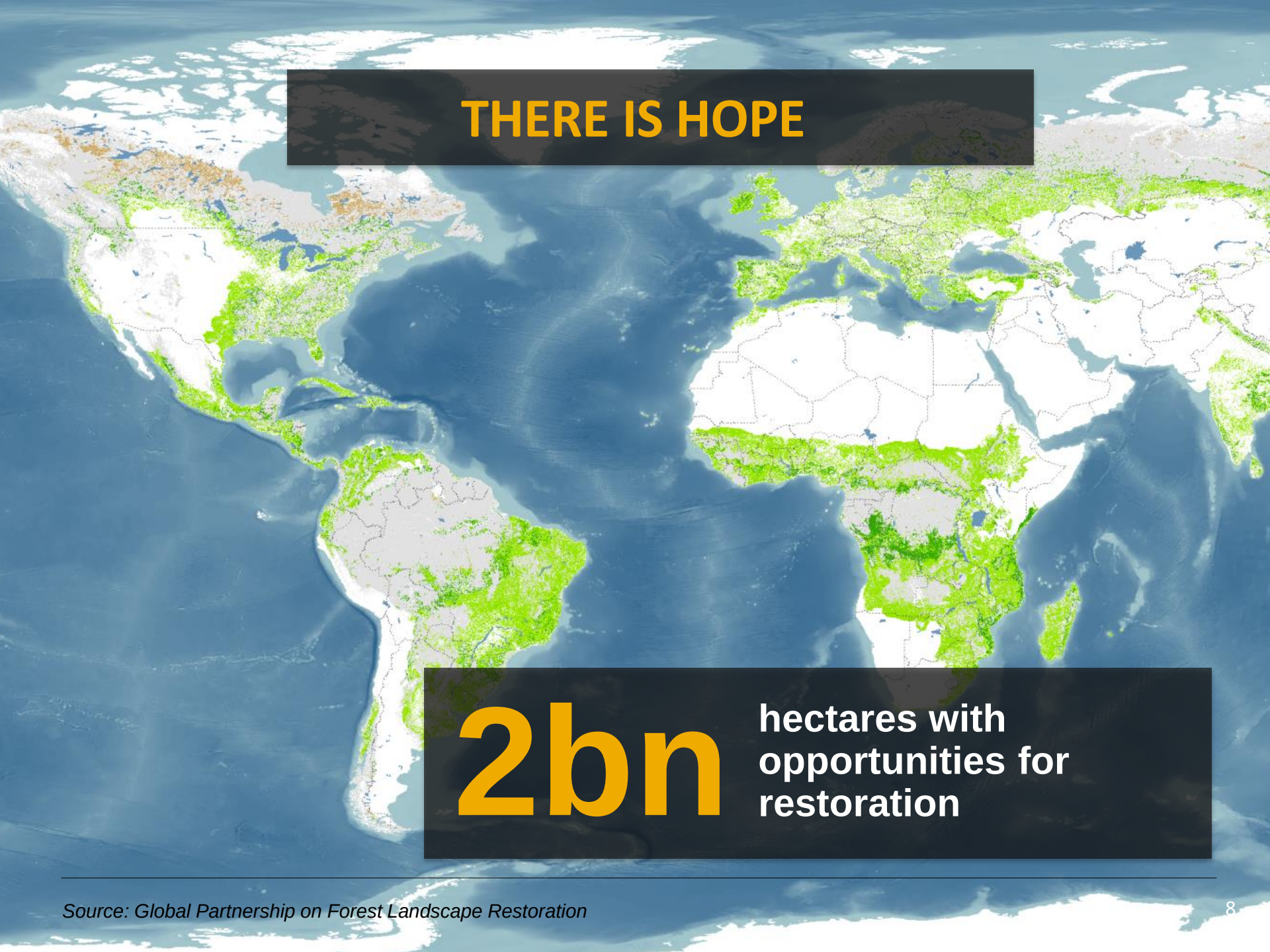
Image: Flickr/USAID Kenya

OPPORTUNITY:
RESTORE PRODUCTIVITY AND FUNCTION



RESTORE VITALITY AND BALANCE TO THE LANDSCAPE





Source: Global Partnership on Forest Landscape Restoration

AMBITIOUS TARGETS EXIST

The Bonn Challenge

150m

hectares under restoration by 2020

New York Declaration

350m

hectares under restoration by 2030

Image: Flickr/CIFOR; Source: WRI

IT'S BEEN DONE BEFORE…

- Forest cover from 35% to 64%
- Forest density increased 14x, population 2x, economy 25x

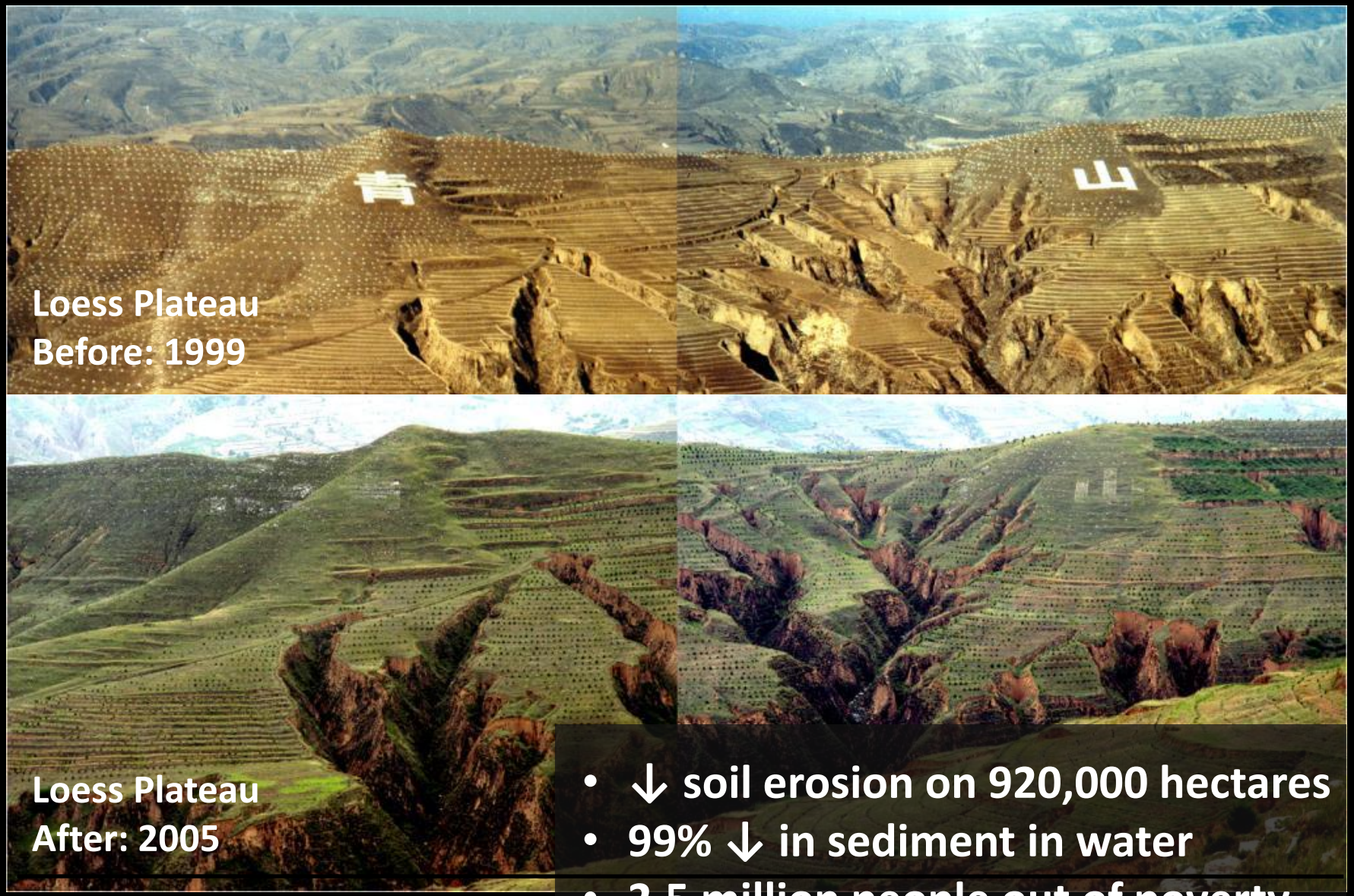
IT'S BEEN DONE BEFORE…

Niger, Pre-1990s

Niger, Today

- 5 million hectares restored into agroforestry
- Improved food security for 2.5 million people

IT'S BEEN DONE BEFORE…



- ↓ soil erosion on 920,000 hectares
- 99% ↓ in sediment in water
- 2.5 million people out of poverty

WRI'S CORE OFFERS IN RESTORATION

Why?

- Benefits identification
- Make the economic case
- Global Restoration Council

Where?

- Global mapping
- Local mapping
- Restoration monitoring

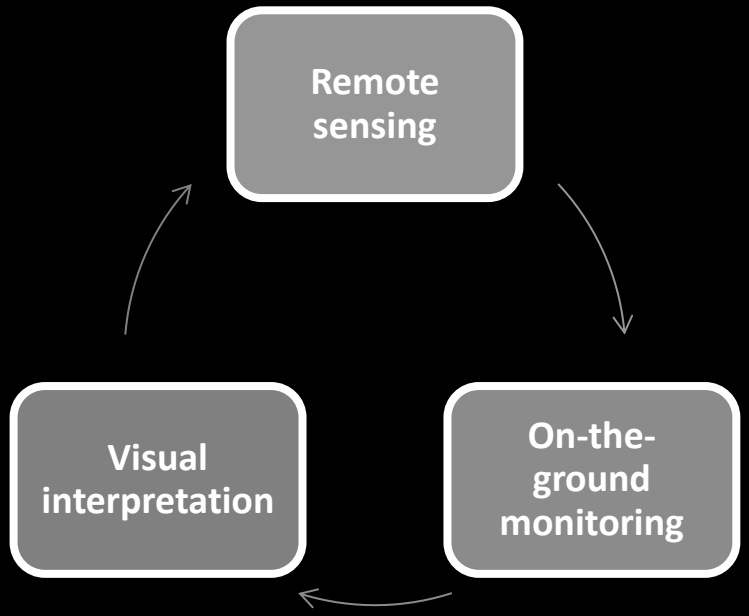
How?

- Enabling conditions diagnostic
- National strategies
- Financing mechanisms

WHY?
IDENTIFY BENEFITS AND MAKE THE CASE

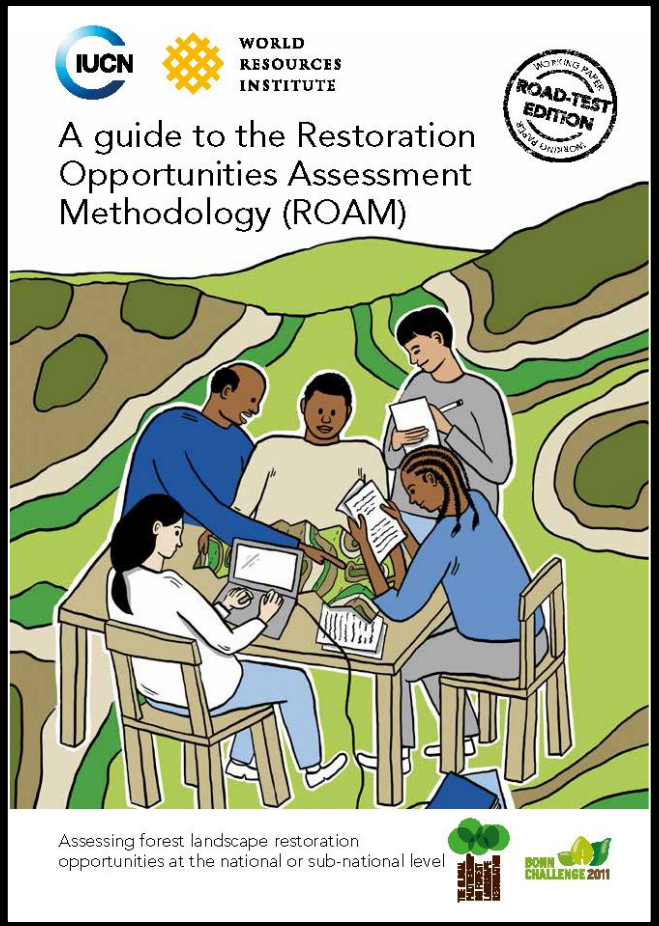
WHERE?
MONITORING OF RESTORATION

- "Global Baseline Project" to establish a common baseline
- Flexible monitoring system required. In-country approaches are likely to differ
- Should these approaches "roll up" into a common platform, as with Global Forest Watch for avoided deforestation?



HOW?
OPPORTUNITY ASSESSMENT

- How to “package” opportunities
  - Restoration Opportunities Assessment Methodology (ROAM)
    1. *Stakeholder input*
    2. *Geospatial mapping*
    3. *Economic analysis*
    4. *Carbon analysis*
    5. *Enabling conditions*
    6. *Financial analysis*



GEOGRAPHIES: WRI AND IUCN (AS GPFLR) SUPPORTING RESTORATION IN 23 COUNTRIES

Brazil
Chile
China
Colombia
Costa Rica
Ecuador
El Salvador
Ethiopia
Ghana
Guatemala
Honduras
India
Indonesia
Kenya
Malawi
Mexico
Niger
Panama
Peru
Rwanda
Uganda
U.S.A.
Vietnam

AFRICA

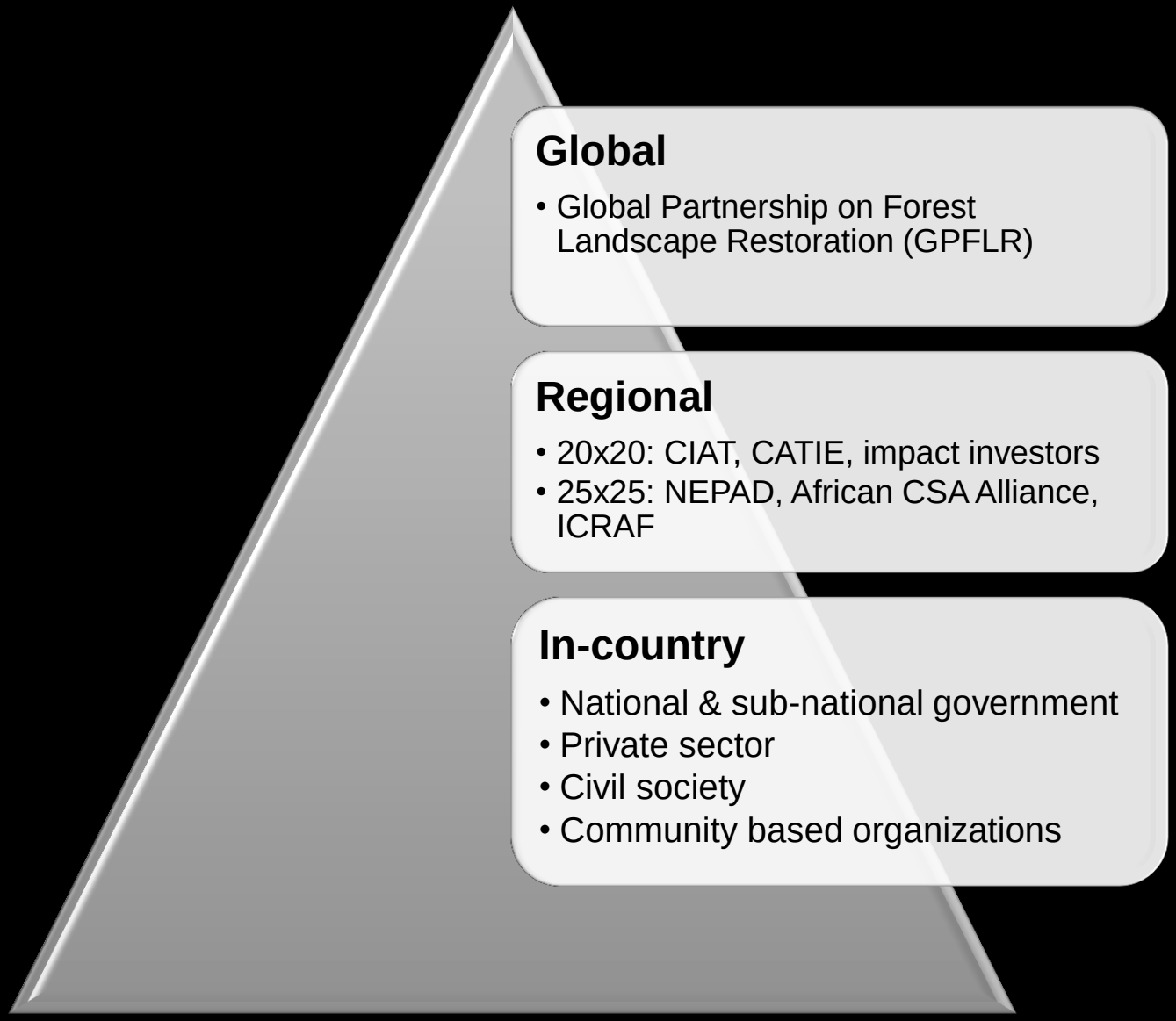
Ethiopia
Kenya

Malawi
Niger

Rwanda
Uganda

- **Vision 25x25**: 25 million small holder farmers restore land by 2025
- **Implementation of ROAM** (*Restoration Opportunity Assessment Methodology*)
  1. Geospatial mapping
  2. Economic benefits
  3. Carbon benefits
  4. Enabling conditions
  5. Financing
  6. Monitoring

PARTNERSHIPS ARE ESSENTIAL AT EACH LEVEL OF SCALE



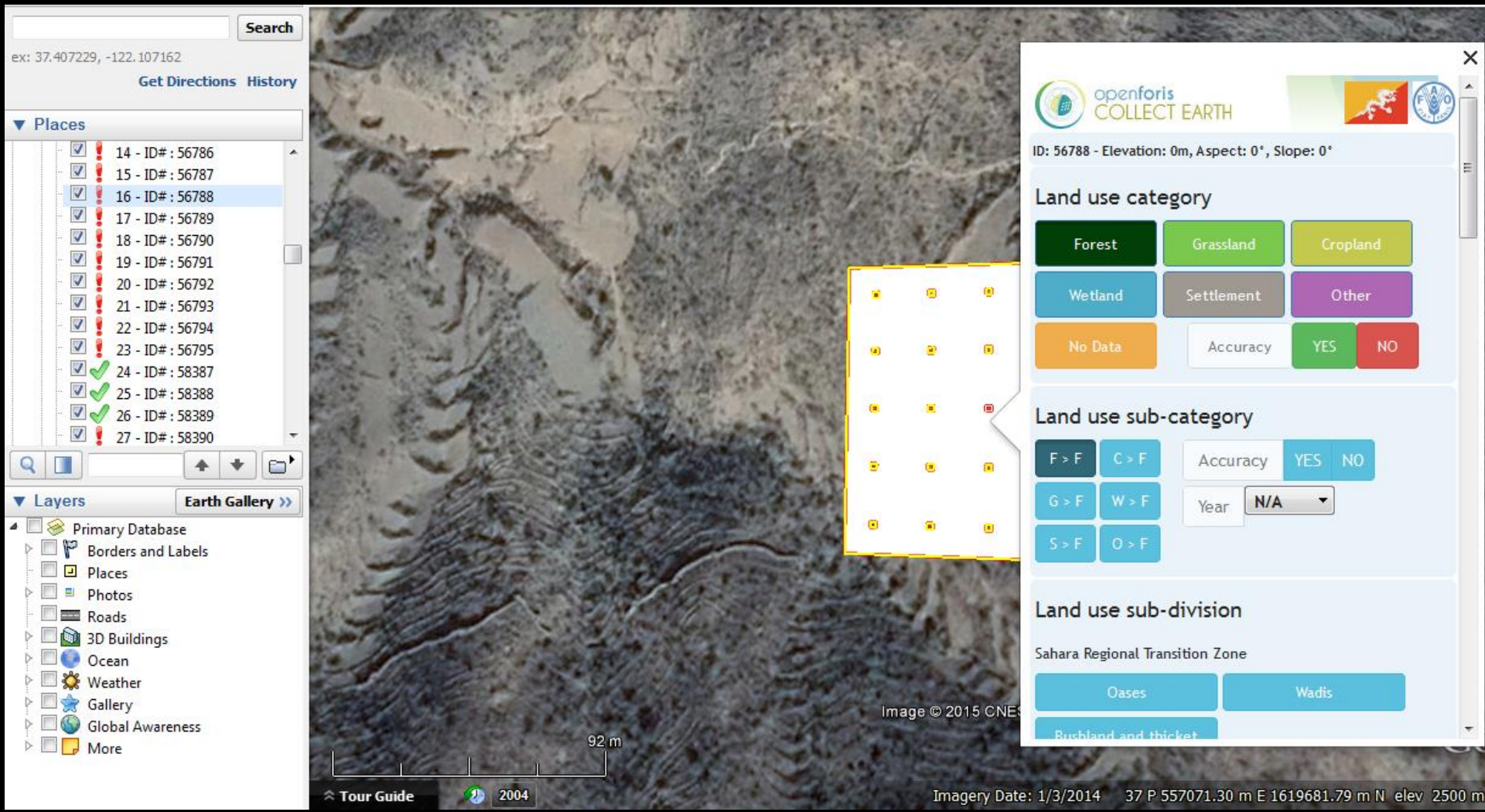
Restoration Project Monitoring-More of M&E

- Biophysical
  - Vegetation
  - Soil
  - Water/hydrology
- Socioeconomic
  - Livelihood impacts
- Institutional
  - Technical
  - Leadership
  - Financial

Collect Earth-Biophysical

- Vegetation
  - Tree counting
  - Canopy cover
  - Physical features
- Preparation
  - QGIS- set the sampling grid
  - Collect Earth-do data entry
  - Google Earth Engine-do the analysis

RESTORATION MONITORING-COLLECT EARTH



RESTORATION MONITORING-COLLECT EARTH