

A photograph of two women standing on a grassy hillside, looking out over a vast, lush green valley. The woman on the left is wearing a purple top and a brown skirt, with a colorful headscarf. The woman on the right is wearing a white shuka and a blue skirt. They are both looking towards a winding river that flows through the valley. The hills are covered in dense green vegetation, and the sky is filled with soft, white clouds. The overall scene is peaceful and scenic.

VILKET SKOGSLANDSKAP VILL VI HA?

16 December, 2014
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Image: Flickr/USAID Kenya

TEMA OCH FRÅGOR

Visioner för ett optimalt skogs- och vattenlandskap, såväl det fysiska som det institutionella landskapet.

- Vad skulle restaurerade landskap med väl förvaltade skogar innebära för vatten, biodiversitet, klimat och de människor som bor där?
- Vad krävs för att uppnå ett sådant landskap?
- Vilket slags skogslandskap vill vi ha?

Optimalt
och
önskvärt

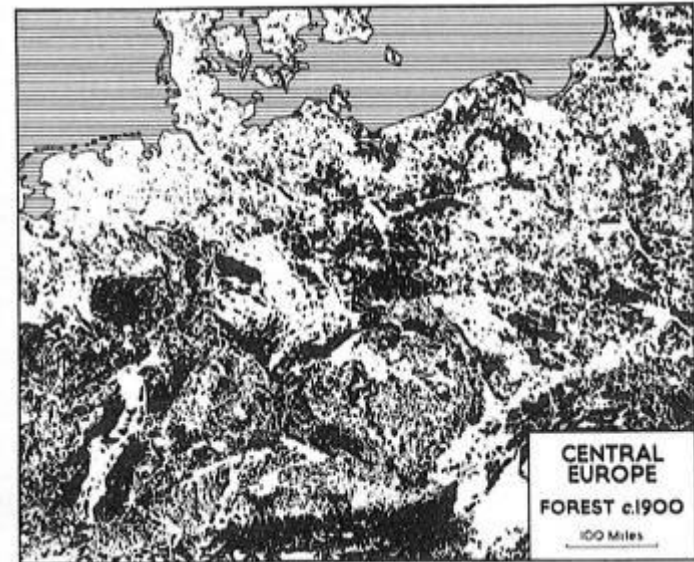
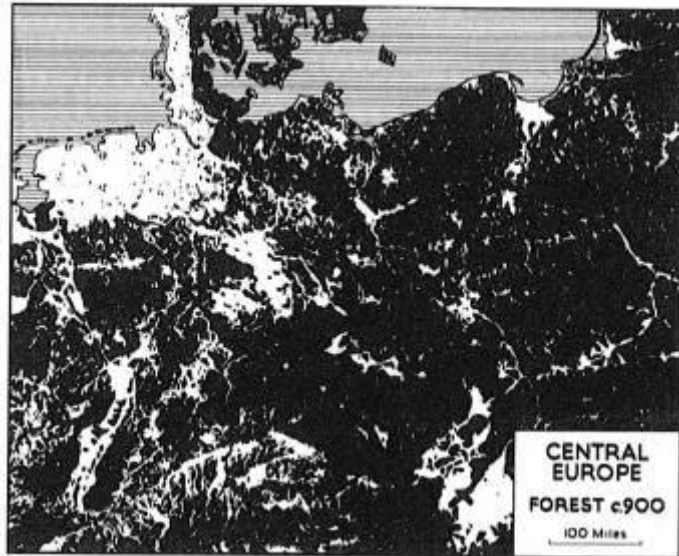


Möjligt
och
realistiskt

Möglichst

Today's forest is not the best benchmark

Central Europe, 900-1900



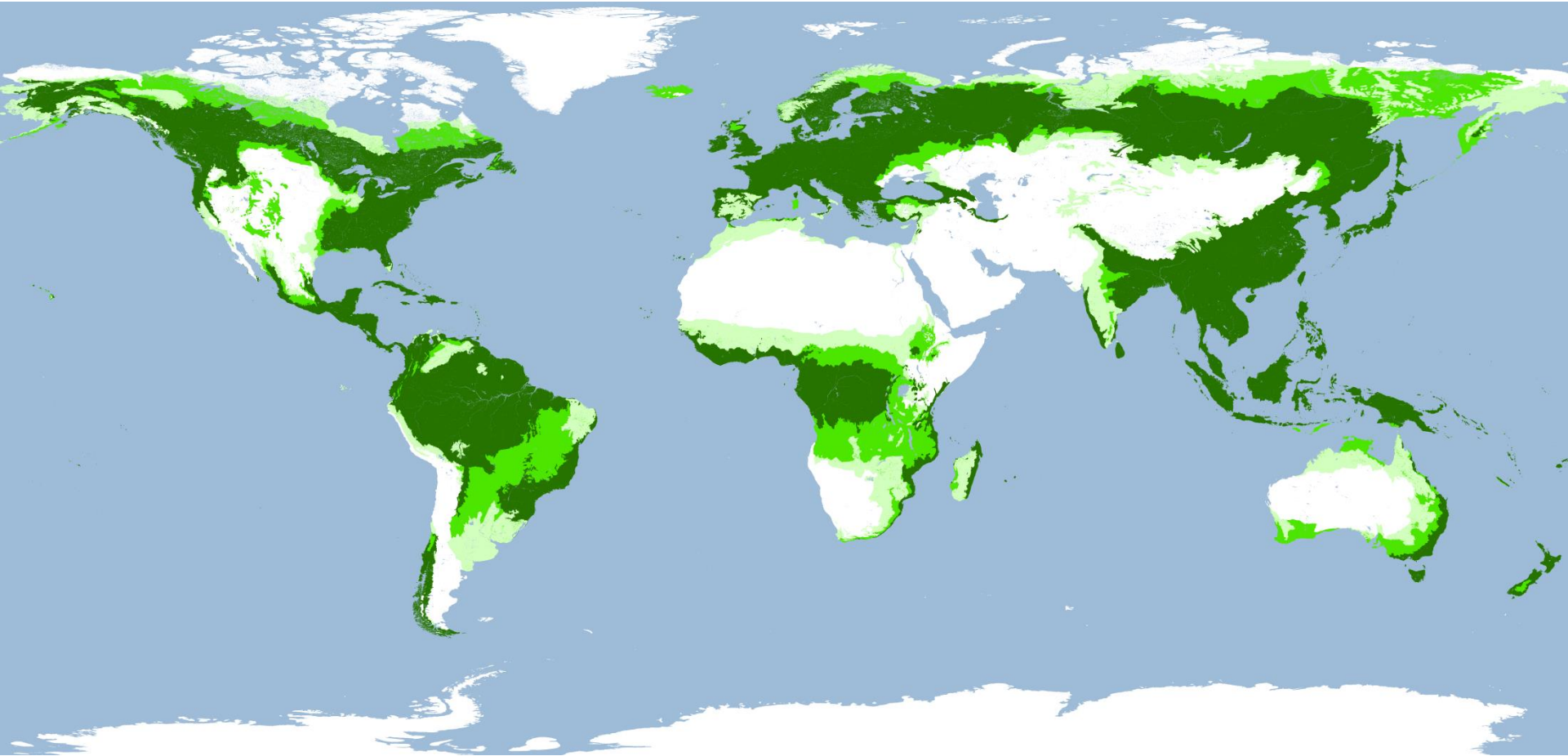
Source: Williams 2006

Southern Sweden: 100 years ago



A Better Baseline: Potential Forest

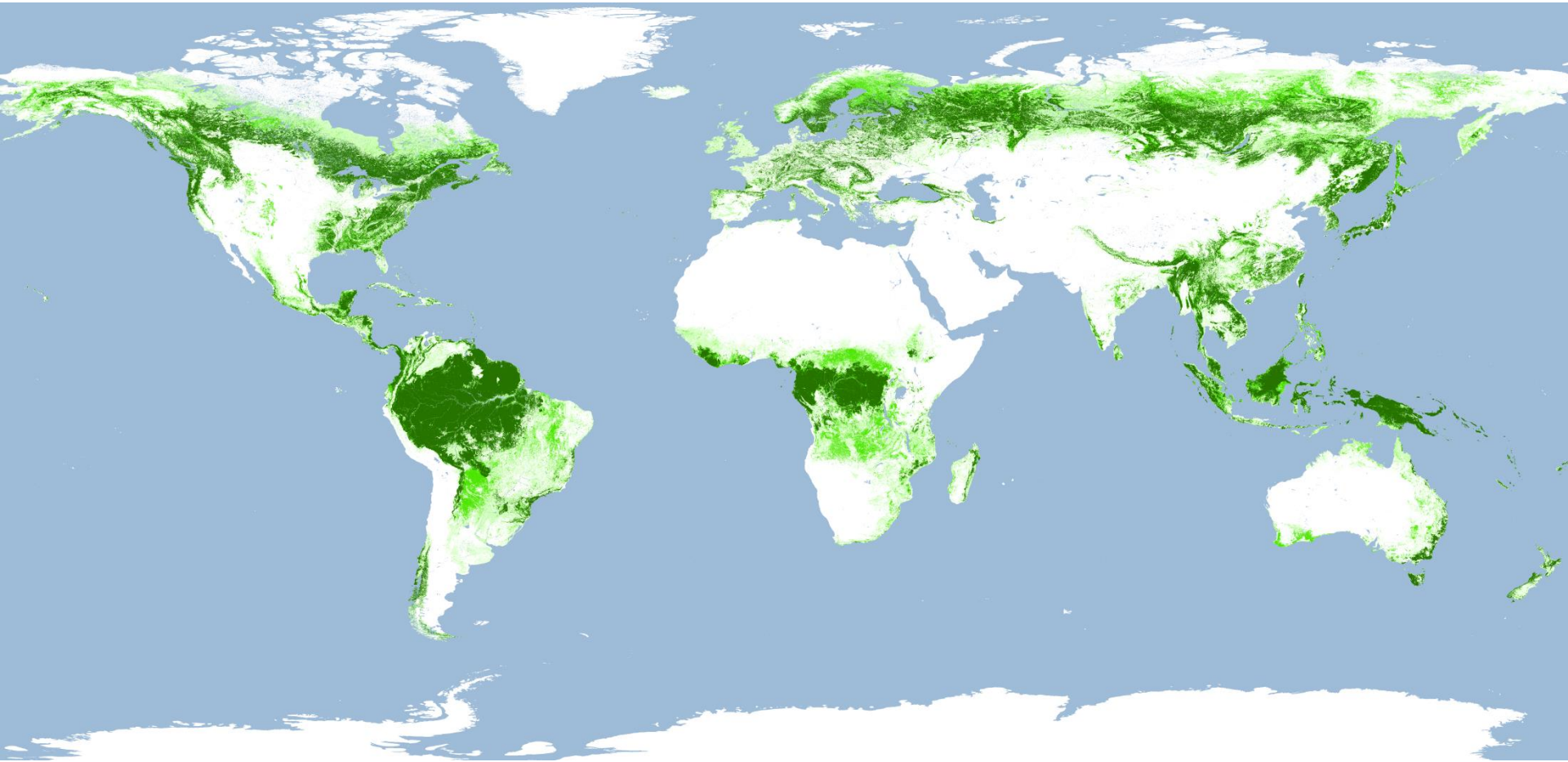
If climate and soils alone decided



Dark green – canopy cover >45%; Medium green – 25-45%; Light green – 10-25%

Today's Forest

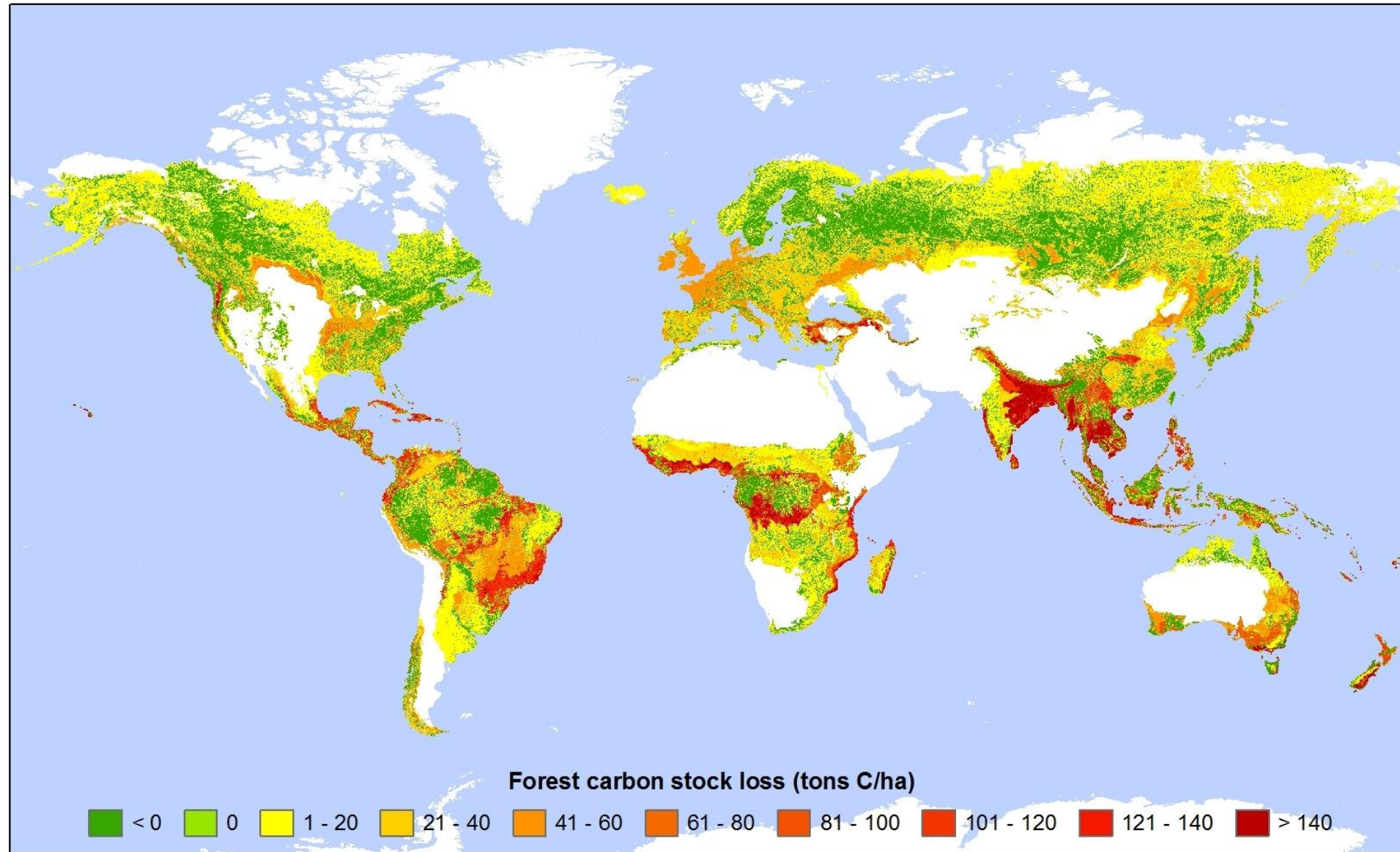
Where forests and woodlands are today



Dark green – canopy cover >45%; Medium green – 25-45%; Light green – 10-25%

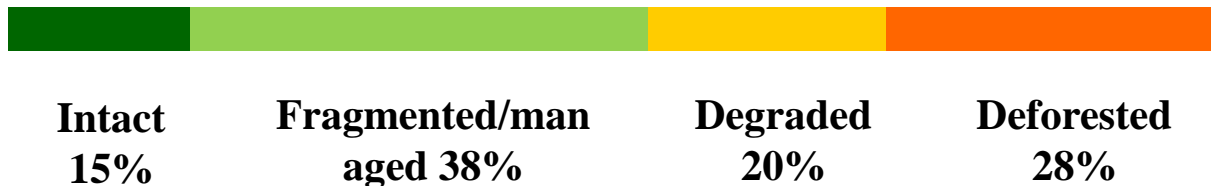
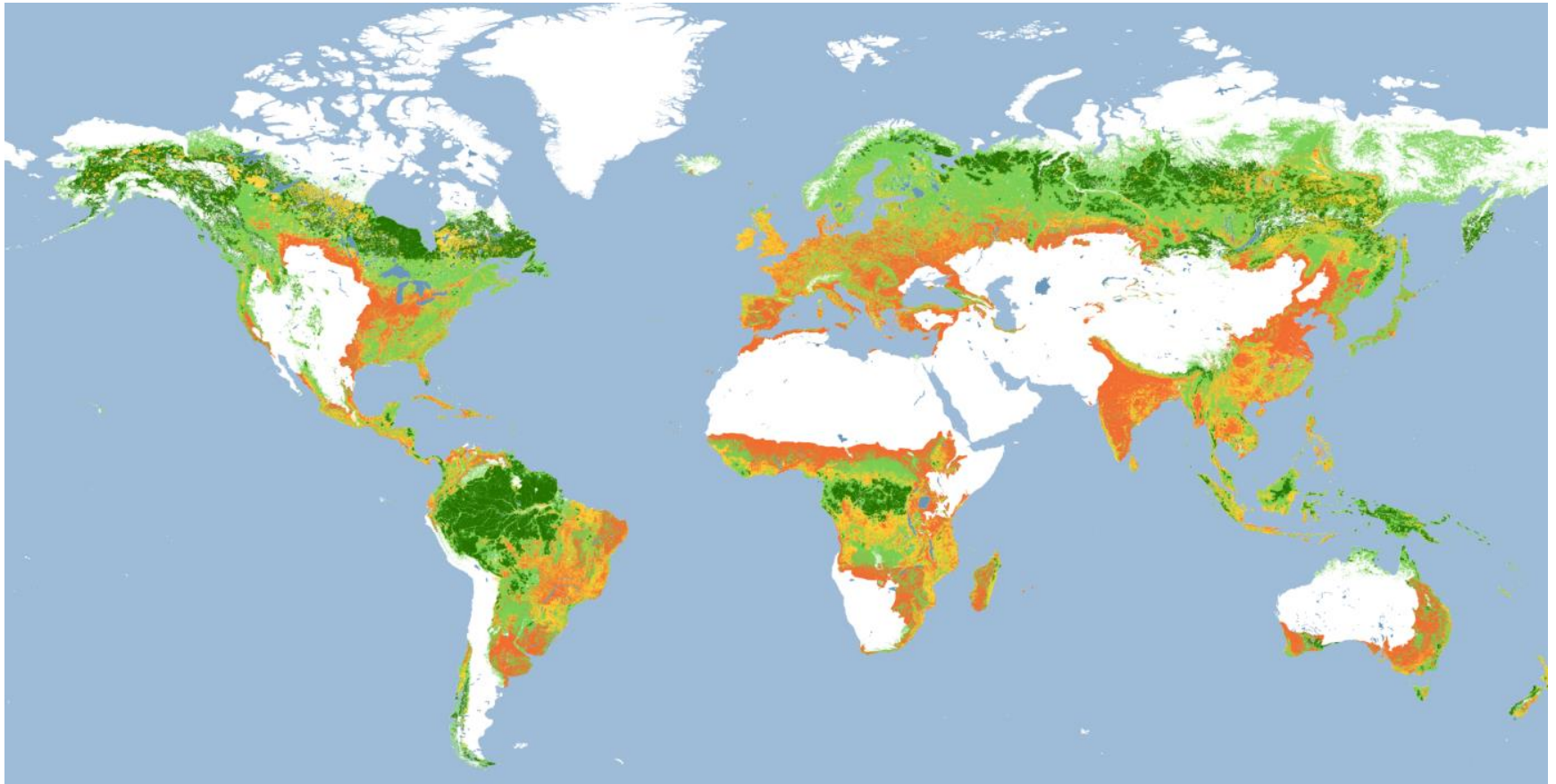
Loss of Forest Biomass Carbon

Contrast between potential and actual



Status of Global Forest Landscapes

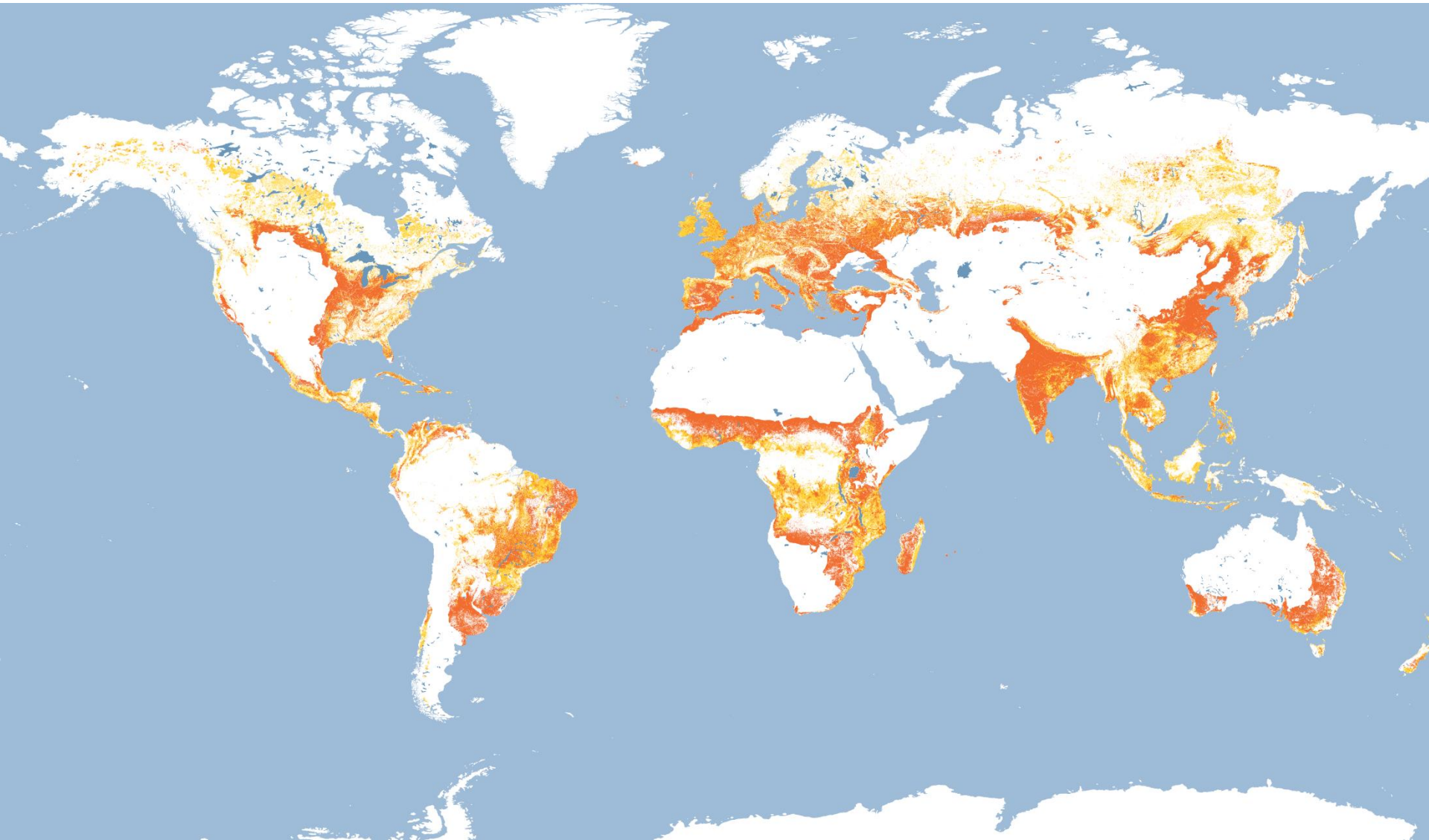
How the actual differs from the potential



Realistiskt

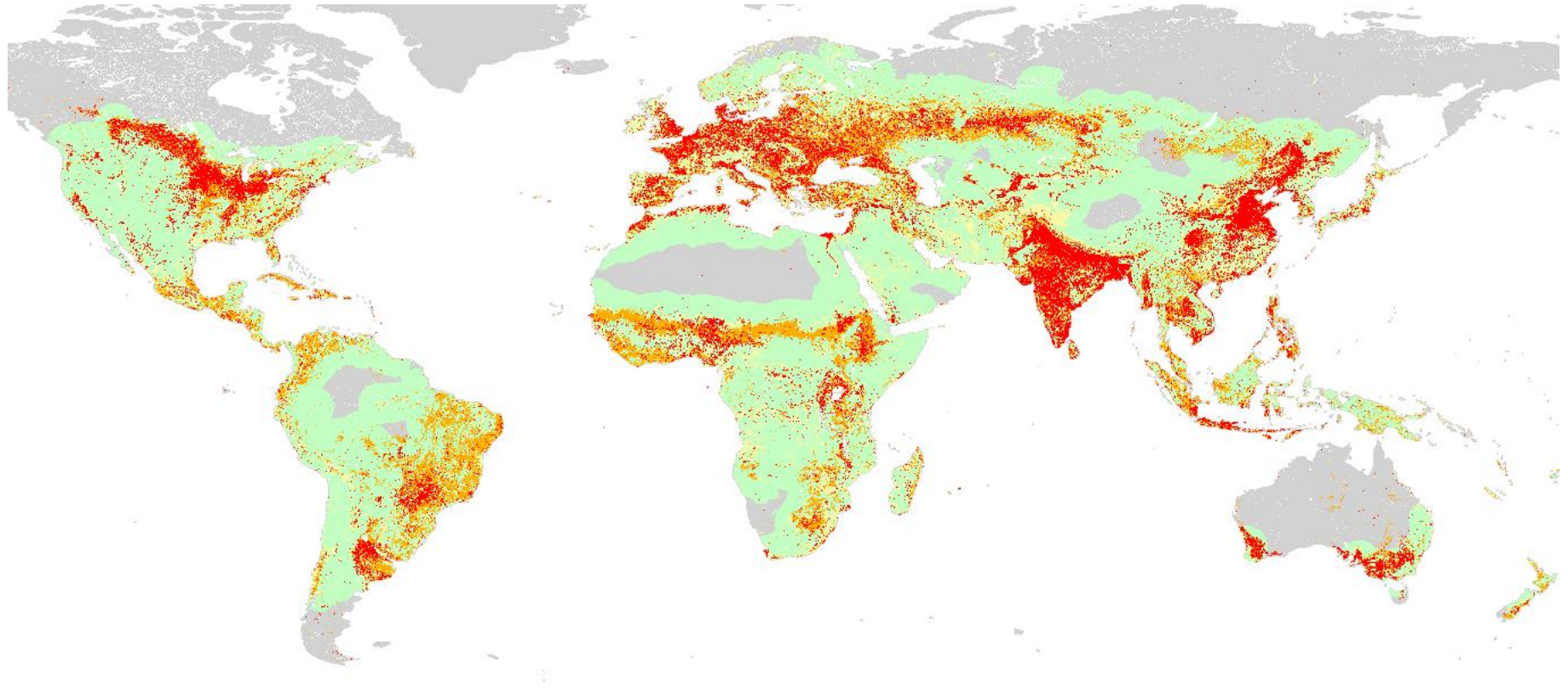
Lands That Have Been Degraded or Deforested

Some of these lands can be restored



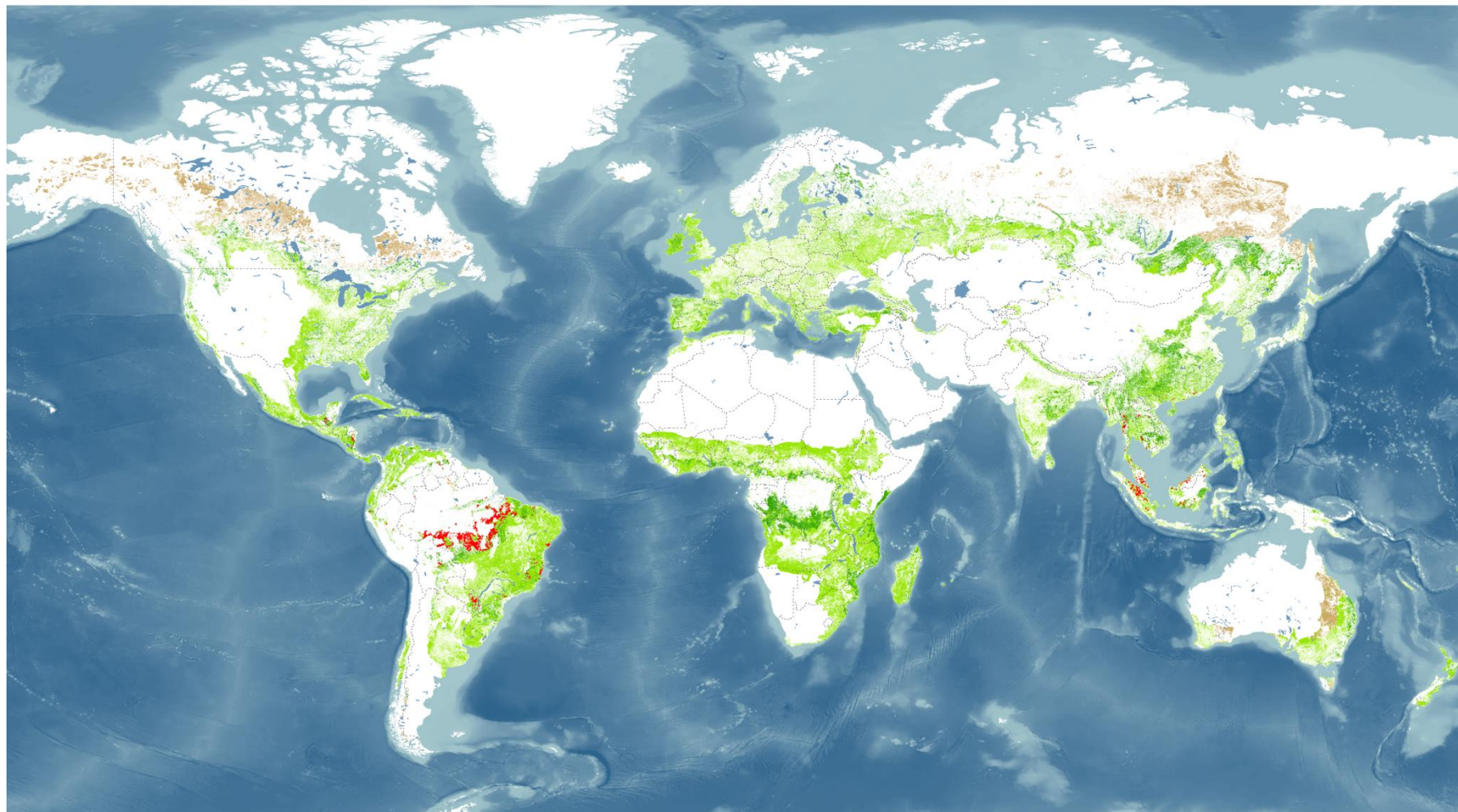
 Degraded  Deforested

Human pressure – a major constraint on restoration



Lands of Opportunity

for Forest and Landscape Restoration



FOREST AND LANDSCAPE RESTORATION OPPORTUNITIES

- Wide-scale restoration
- Mosaic restoration
- Remote restoration

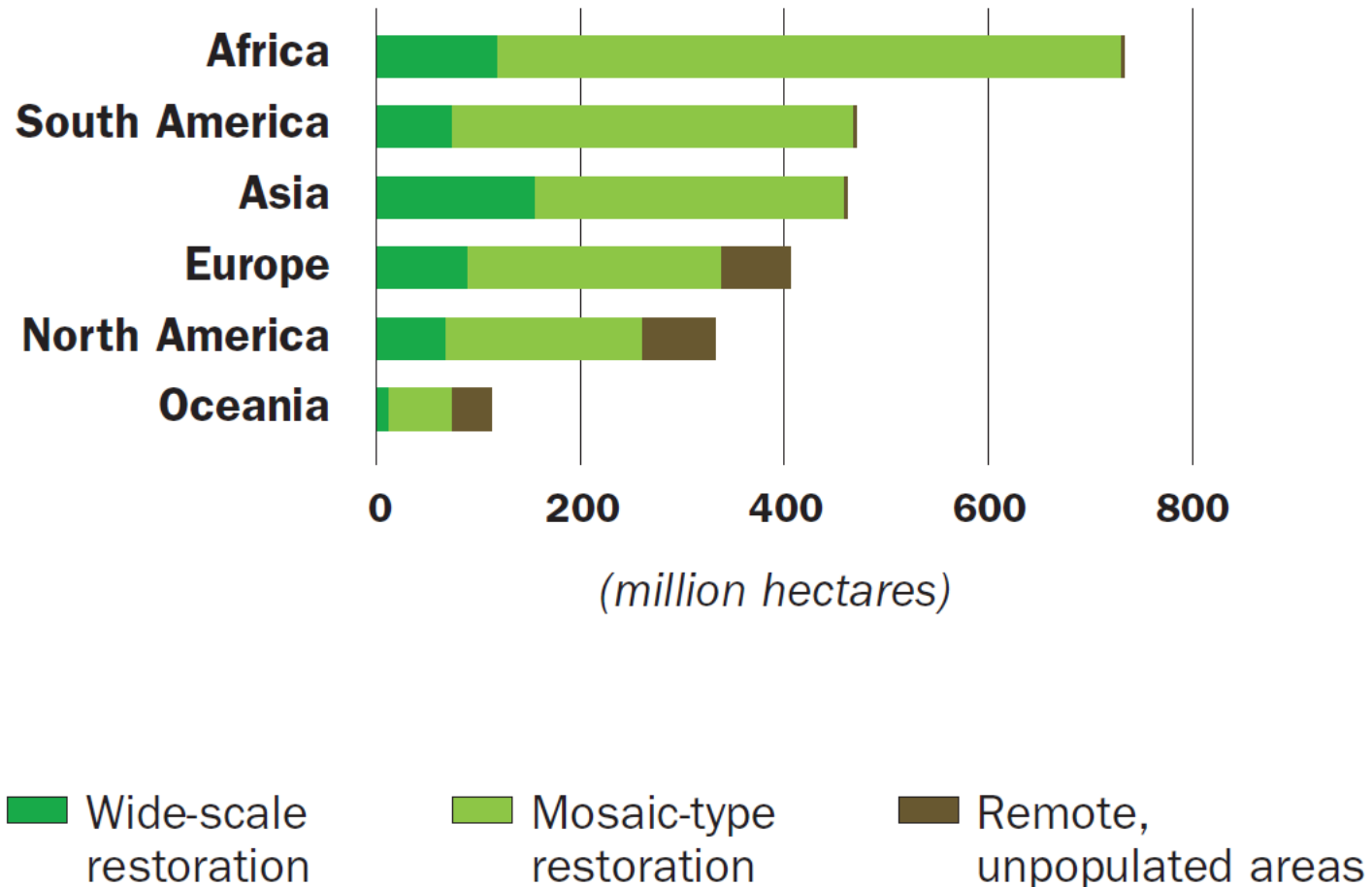
OTHER AREAS

- Recent tropical deforestation

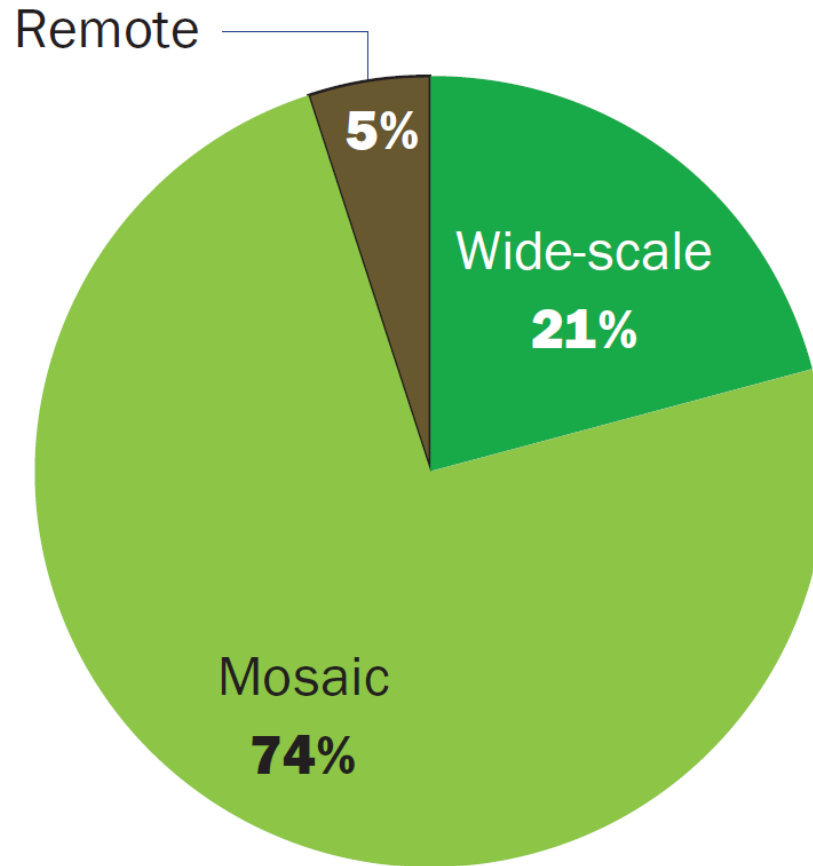


There are Opportunities Everywhere

The total opportunity area is 2 billion hectares

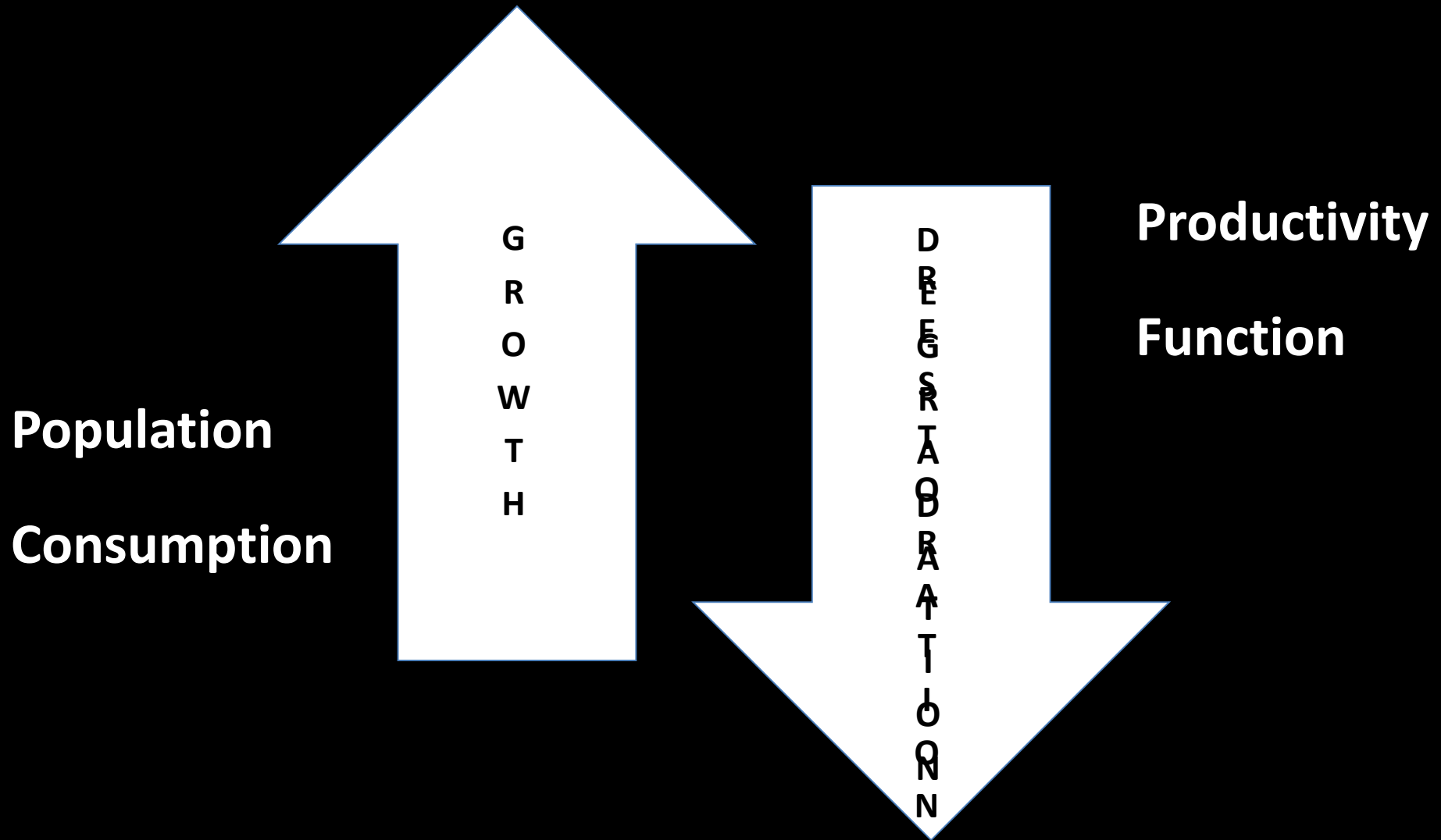


The Greatest Opportunities are in the Mosaic Landscape



Önskvärt

WHAT DO WE MEAN BY RESTORATION?



Forest Landscape Restoration

CARBON CAPTURE & STORAGE

By increasing vegetation extent and density cover

BIOLOGICALLY DIVERSE HABITATS

By ecological restoration with native species

STABLE & RICH SOILS

By active regeneration on degraded slopes.

VIABLE INDIGENOUS & LOCAL COMMUNITIES

By collaborating with forest users

STABLE SUPPLIES OF CLEAN WATER

By planting trees along streams and rivers

FOOD SECURITY & NUTRITION

By diversifying food sources

CULTURAL HERITAGE

By sustaining local identities and knowledge

PRODUCTIVE CROPS

By using trees for shade, nutrients, and other benefits in agroforestry

ENERGY FOR COOKING & HEAT

By improving management of woodlots

FOREST PRODUCTS

By improving management of plantations

OPPORTUNITIES FOR RECREATION & ECOTOURISM

By natural regeneration in forest buffers

FOREST FRUIT, MUSHROOMS, MEDICINES, HONEY, ETC.

By increasing forest area and richness

Restoring landscapes rather than sites

Each landscape calls for its own kind of restoration

Protected
Primary
Forest

Degraded Primary Forest

Plantations

Secondary forest

Secondary forest

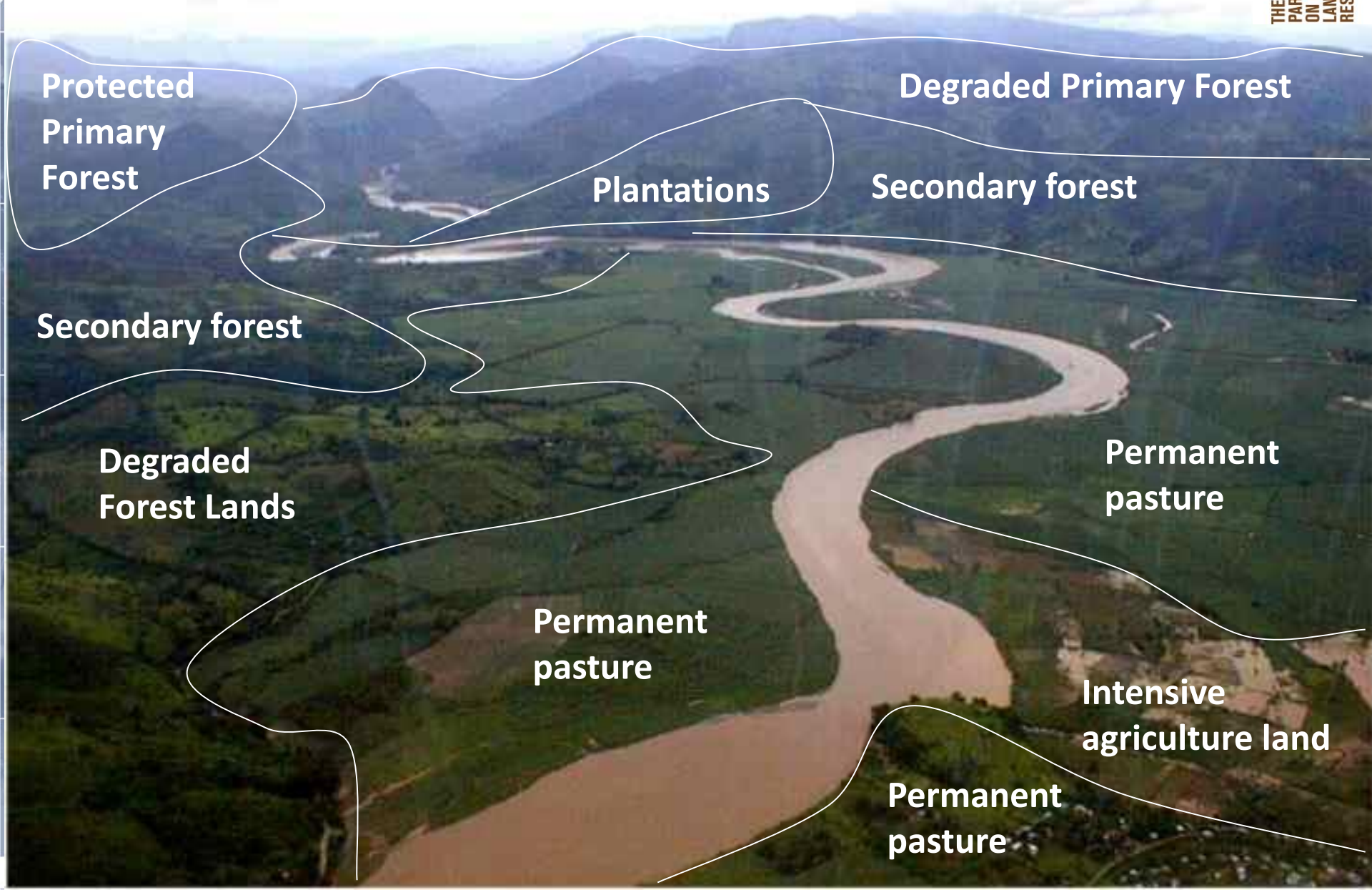
Degraded
Forest Lands

Permanent
pasture

Permanent
pasture

Intensive
agriculture land

Permanent
pasture



Two basic types of restoration

Each landscape calls for its own kind of restoration



Wide-scale restoration

Mosaic type restoration

Pastoral areas of Senegal: The Ferlo



Village *terroirs* among seemingly unlimited resources



Approaches to Mapping Tree Cover

Agroforest Parkland dominated by *Faidherbia albida*



Aerial View of Southern Niger in 1997: Early Evidence of Farmer-Managed Natural Regeneration



IT'S BEEN DONE BEFORE...

Niger, Pre-1990s



Niger, Today



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

Hur kommer vi dit?



RESTORATION TARGETS EXIST

The Bonn Challenge (2011)

150m

hectares under restoration
by 2020

New York Declaration (2014)

350m

hectares under restoration
by 2030

WHY?

COMMITMENTS TO RESTORE ARE MOUNTING

Bonn Challenge Launch (2011)

total = 20 million

- USA: 15 million
- Rwanda: 2 million
- Costa Rica: 1 million
- El Salvador: 1 million
- PACTO: 1 million

UN Climate Summit (Sep 2014)

total = 48 million

- Ethiopia: 15 million
- DRC: 8 million
- Uganda: 2.5 million
- Guatemala: 1.2 million
- Colombia: 1 million
- Chile: 100,000

COP20 in Lima (Dec 2014)

total = 65 million

- Mexico: 8.5 million
- Peru: 3 million
- Panama: 1 million
- Ecuador: 500,000
- Argentina & Chile: 4.2 million via Conservacion Patagonica

Bonn Challenge 2.0 (Mar 2015)

goal= 100 million

- India: 10 million
- China: 40 million
- Indonesia: 20 million
- Brazil: 12 million
- Kenya: 4 million
- Niger: 1 million
- Others...

GEOGRAPHIES: SUPPORTING RESTORATION IN 18 COUNTRIES



Argentina
Brazil
Chile

Colombia
Costa Rica
Ecuador

Guatemala
Mexico
Panama

Peru
Ethiopia
Kenya

Malawi
Niger
Rwanda

Uganda
India
Indonesia

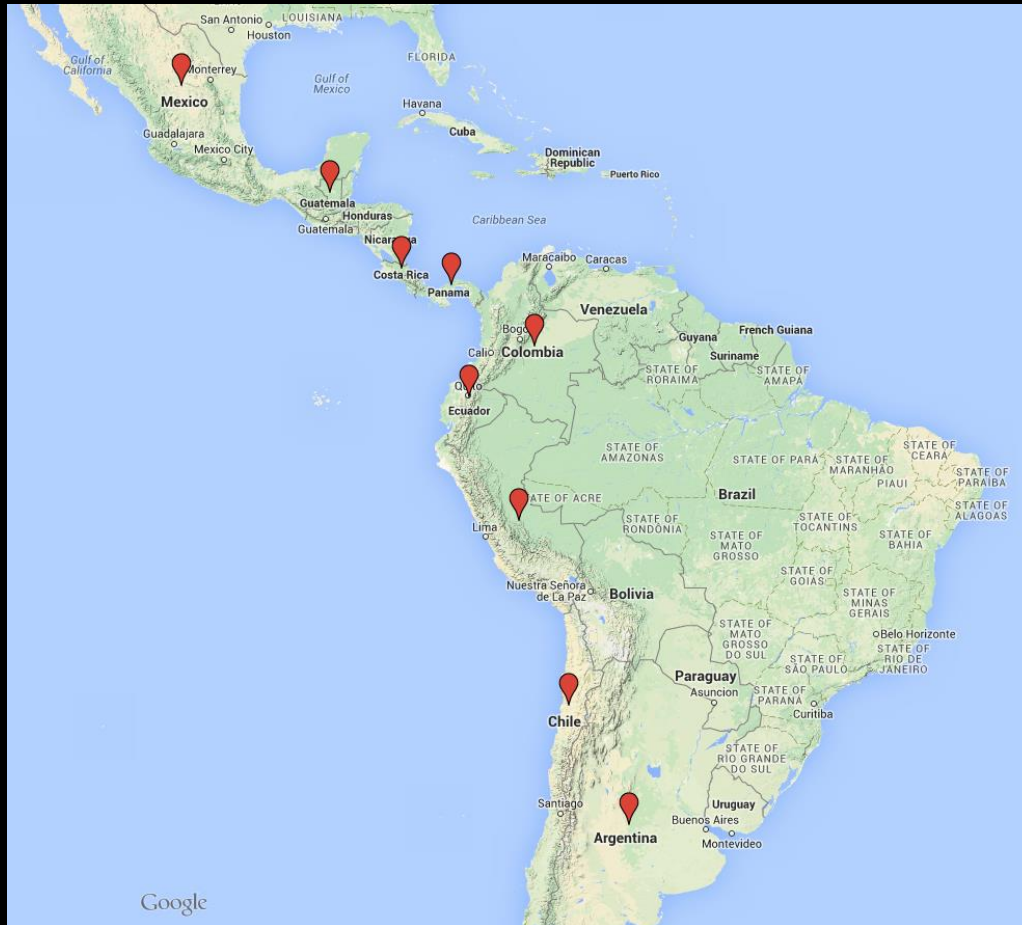
LATIN AMERICA & THE CARIBBEAN: NATIONAL PLAN IN BRAZIL



Pathway to the National Plan:

- Assessed enabling conditions in all six biomes
- Convened 100+ stakeholders from 50+ entities from government, civil society and the private sector
- Developed plan of action with Ministry of Environment
- Next steps: Increase engagement and mobilize finance to support the implementation of the plan

LATIN AMERICA & THE CARIBBEAN: INITIATIVE 20X20



Goal: Restore 20 million hectares in LAC by 2020

1. Political commitment
9 countries committing a total of 19.4 million hectares
2. Economic analysis
Making the economic and financial case for restoration
3. Financial mechanisms
Six impact investors aligning USD \$365 million behind 20x20. Structuring a partial guarantee mechanism to catalyze additional financing

Argentina
Chile
Colombia

Costa Rica
Ecuador
Guatemala

Mexico
Panama
Peru

AFRICA



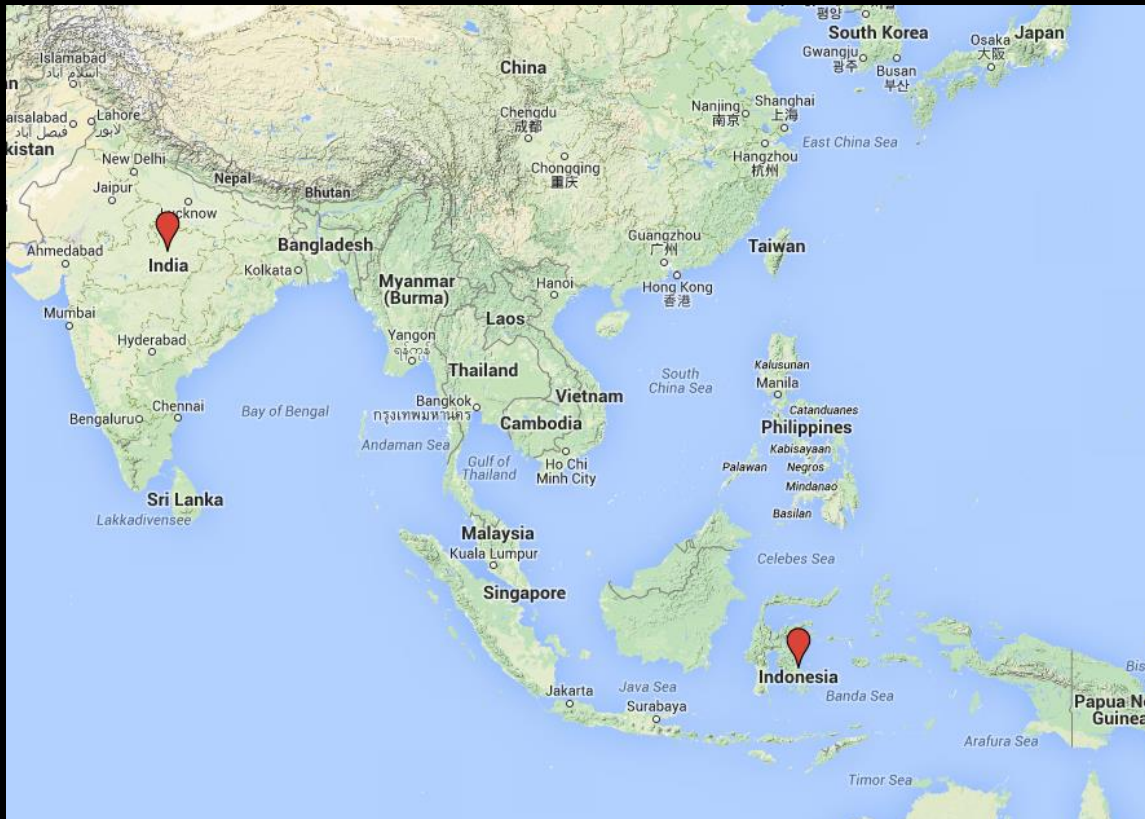
Ethiopia
Kenya

Malawi
Niger

Rwanda
Uganda

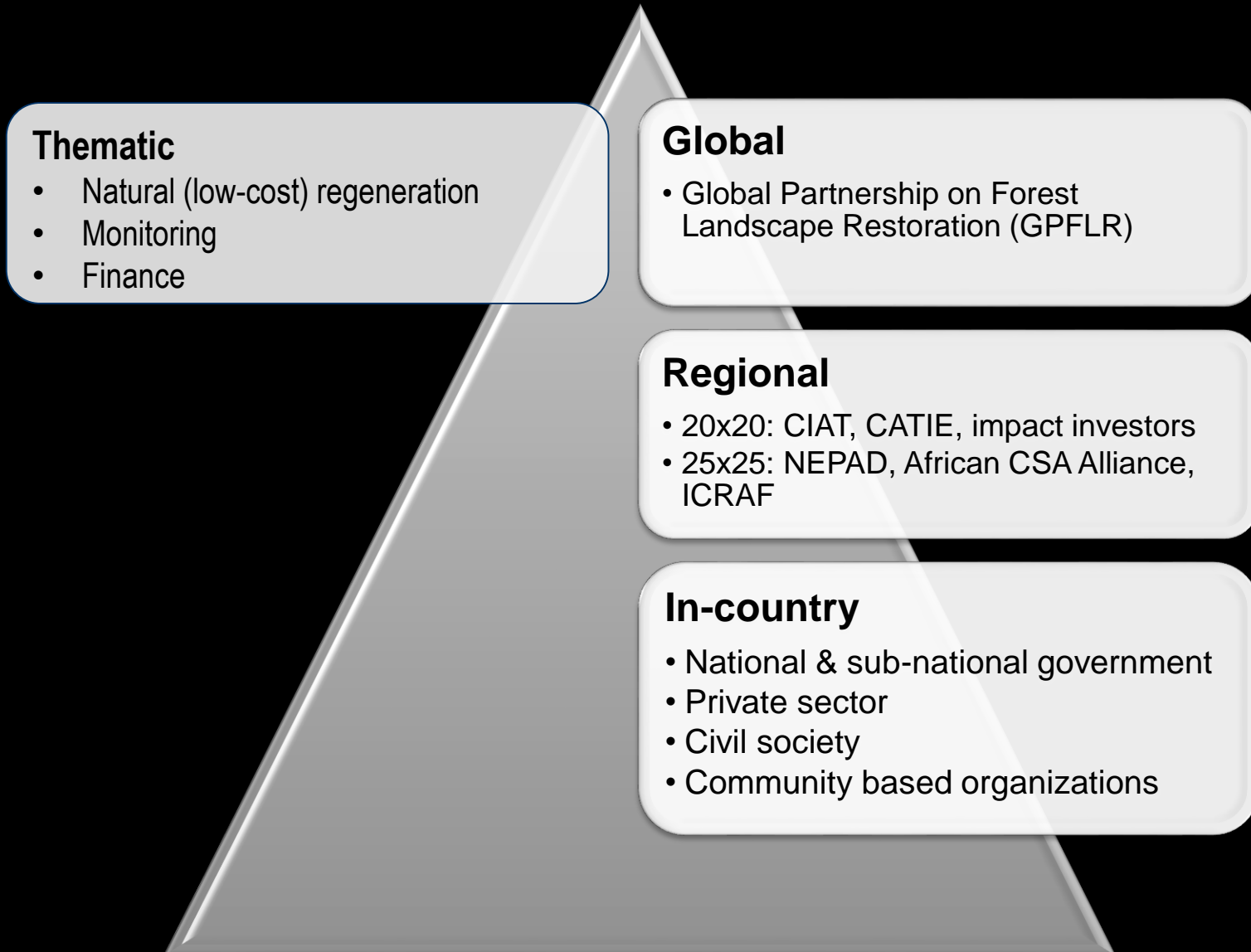
- **Vision 25x25:** 25 million small holder farmers restore land by 2025
- **Implementation of ROAM** (*Restoration Opportunity Assessment Methodology*)
 1. Geospatial mapping
 2. Economic benefits
 3. Carbon benefits
 4. Enabling conditions
 5. Financing
 6. Monitoring

ASIA: INDIA AND INDONESIA



- New governments in India and Indonesia
- Window of opportunity exists to influence the path of green growth
- Initial funding secured to provide support
- Early stages of restoration assessment process

PARTNERSHIPS ARE ESSENTIAL AT ALL LEVELS



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Thank you

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