



International Center for Tropical Agriculture
Since 1967 / *Science to cultivate change*




World Overview of Conservation Approaches and Technologies

WOCAT Welcome to CIAT

13 June 2017
CIAT Headquarters
Cali, Colombia



 Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Agency for Development
and Cooperation SDC

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AND ENVIRONMENT



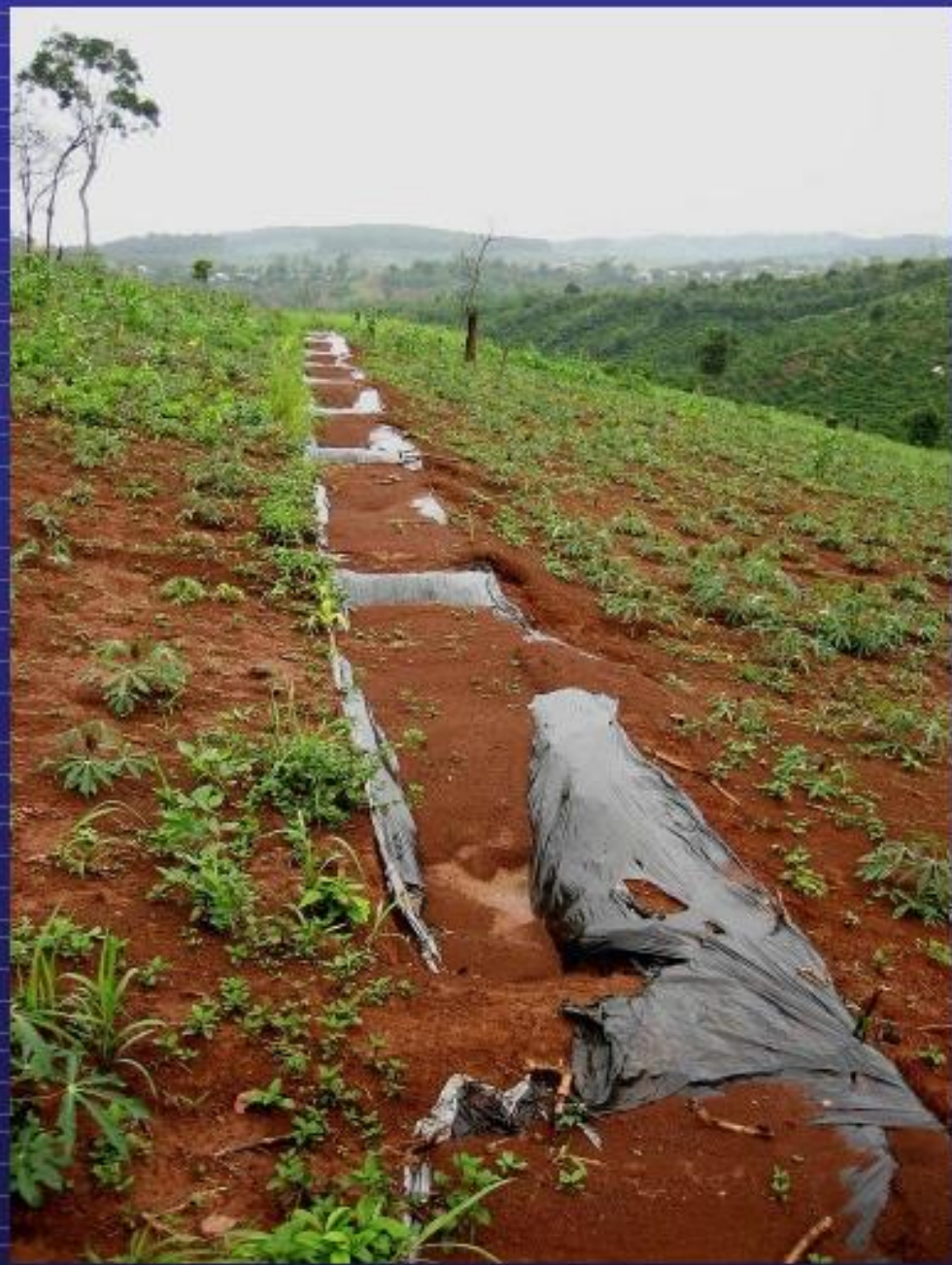
Food and Agriculture
Organization of the
United Nations



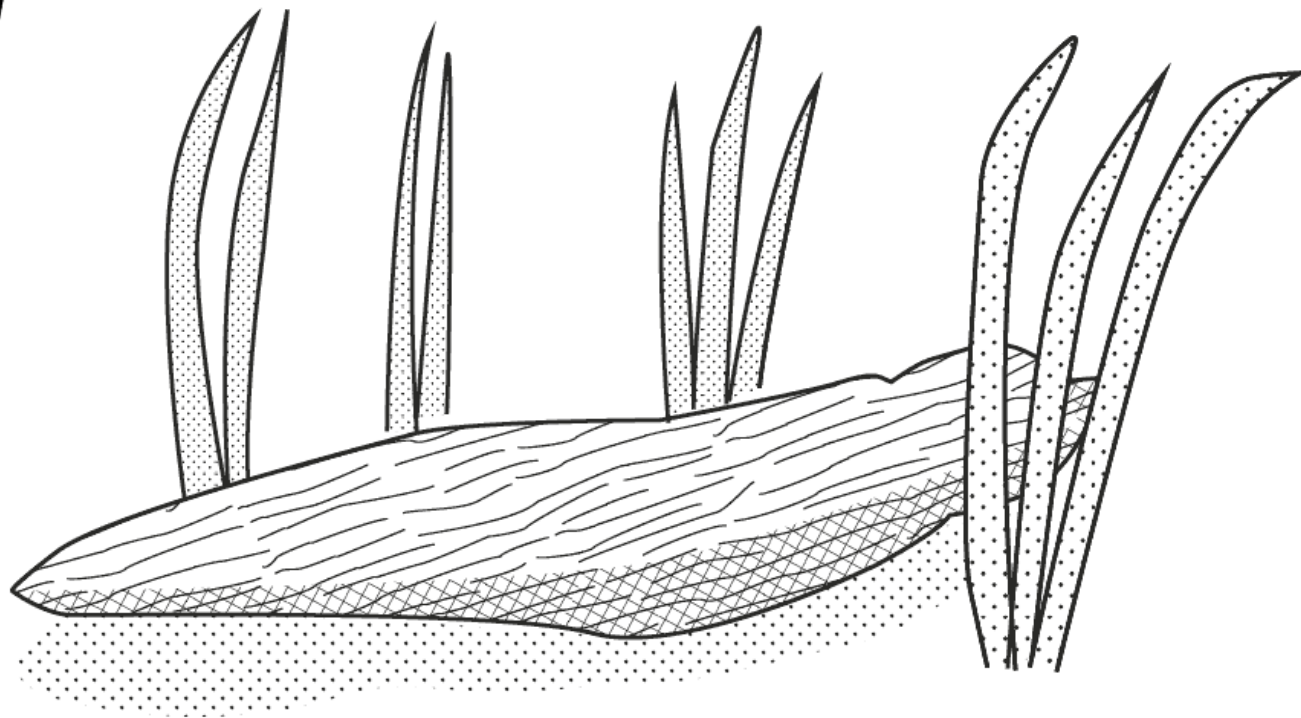
giz

Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH





By growing
CASSAVA
between
GRASSES and
SMALL TREES



Vietnamese farmers have increased Cassava yields
FROM 12 TO 20 TONNES PER HECTARE
and increased the soil's quality and carbon content.

The Tana-Nairobi Water Fund – A first for Africa
#NairobiWaterFund

The
Tana River
is vital
to Kenya's food
security
and economy

It supplies
water for Nairobi

95%

of its total supply
and for



a million farms
in the Tana region

It provides



HALF
of the country's
hydropower
output

But it is 
**UNDER
THREAT**
from
sedimentation

The Tana-Nairobi Water Fund – A first for Africa

#NairobiWaterFund



crop choices

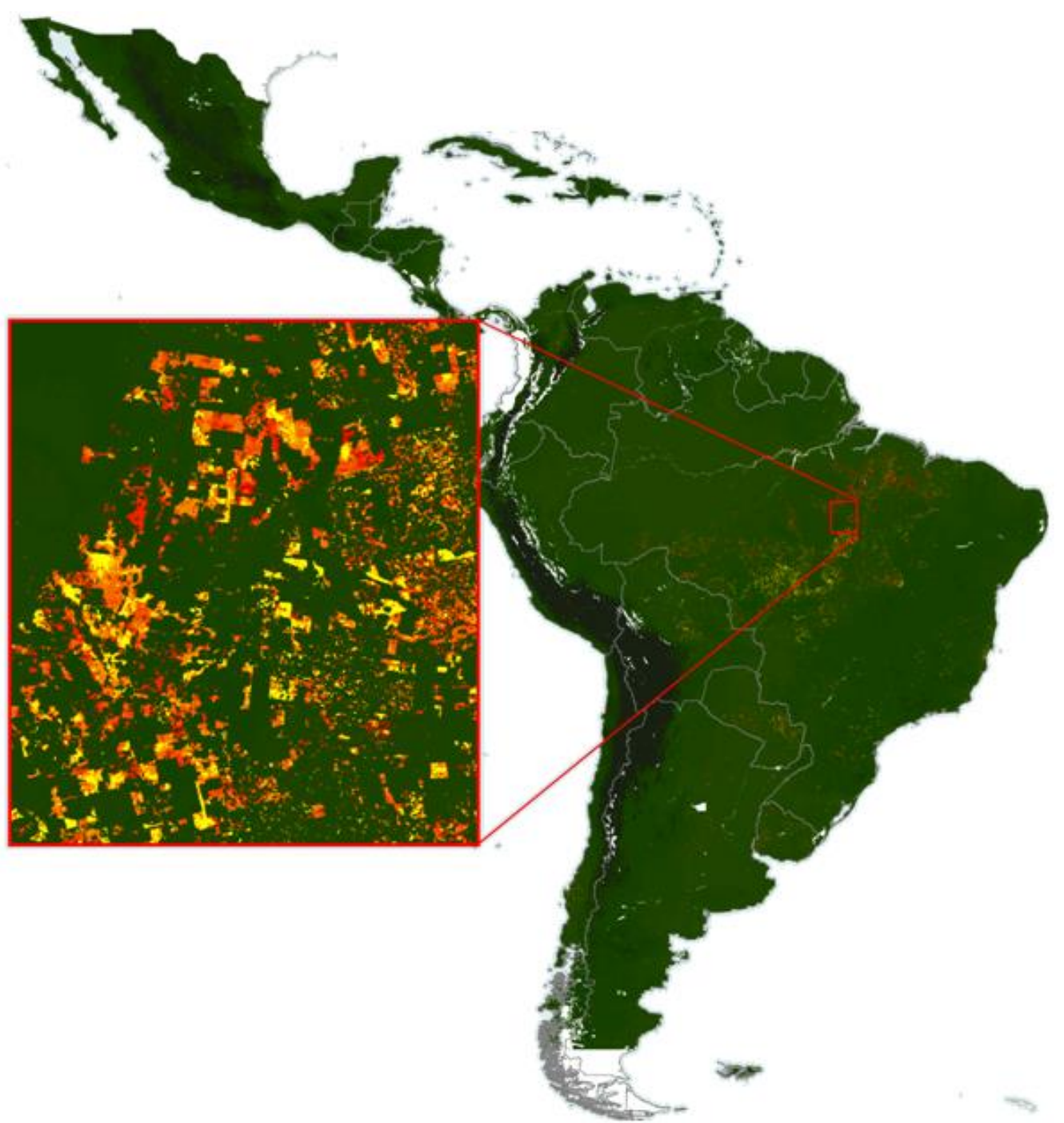
If rangelands currently covering **25%** of high-priority Tana watersheds become more suitable for **AGRI CULTURE** as models suggest

will be crucial for **AVOIDING INCREASED SEDIMENTATION***

* WLE Innovation Fund Final Report

Photo credit: Georgina Smith / CIAT





Land Degradation Neutrality in Otjozondjupa, Namibia

Share online   



Land cover 2000

Land cover 2016

Soil Organic Carbon stock (0-30cm)

Soil Organic Carbon (0-30cm)

Soil Organic Carbon (30-100cm)

Density of shrubs (<1.5m)

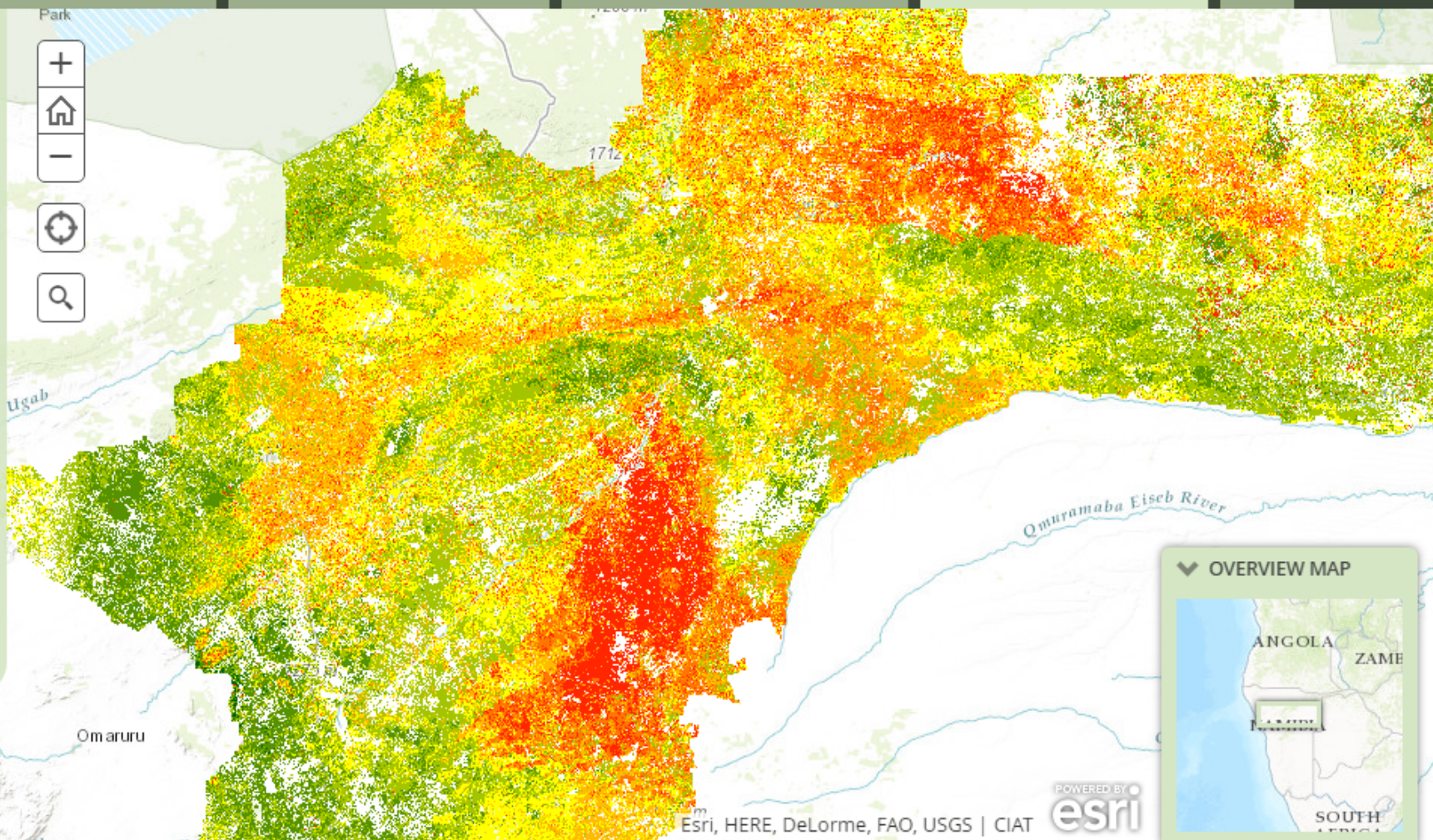
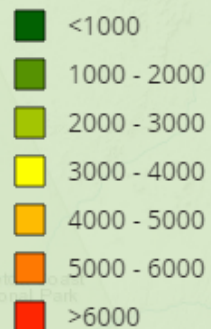


Density map of shrubs (*height < 1.5m*) in Otjozondjupa region, Namibia. It is derived from satellite images (Landsat 8 OLI/TIRS) and field data collected in April-May 2016. The maps are available for download as [GeoTIFF](#) files from this [link](#).

Date of release: August 2016

Density of shrubs (less than 1.5m)

Shrubs per hectare:



Esri, HERE, DeLorme, FAO, USGS | CIAT

POWERED BY
esri

OVERVIEW MAP





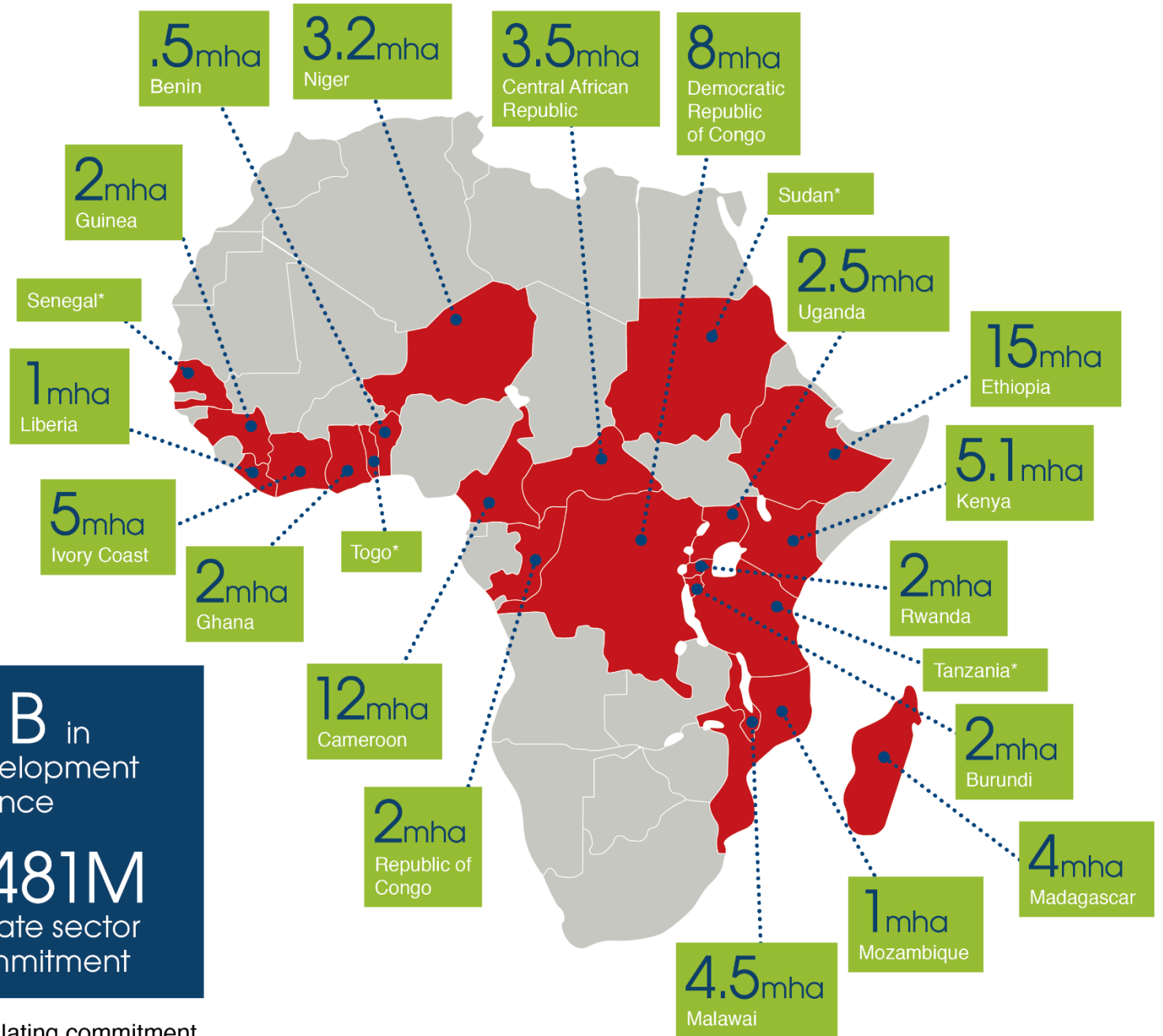
Africa restoring
100 million hectares
of deforested
and degraded
land by 2030

22 countries
have committed
to restore **75.3mha**
AS OF FEBRUARY 2017

\$1B in
development
finance

\$481M
private sector
commitment

*formulating commitment



Initiative
20x20

Encuentro Anual de Socios Iniciativa 20x20

28 de febrero y 1 de marzo, 2017 | Cali, Colombia



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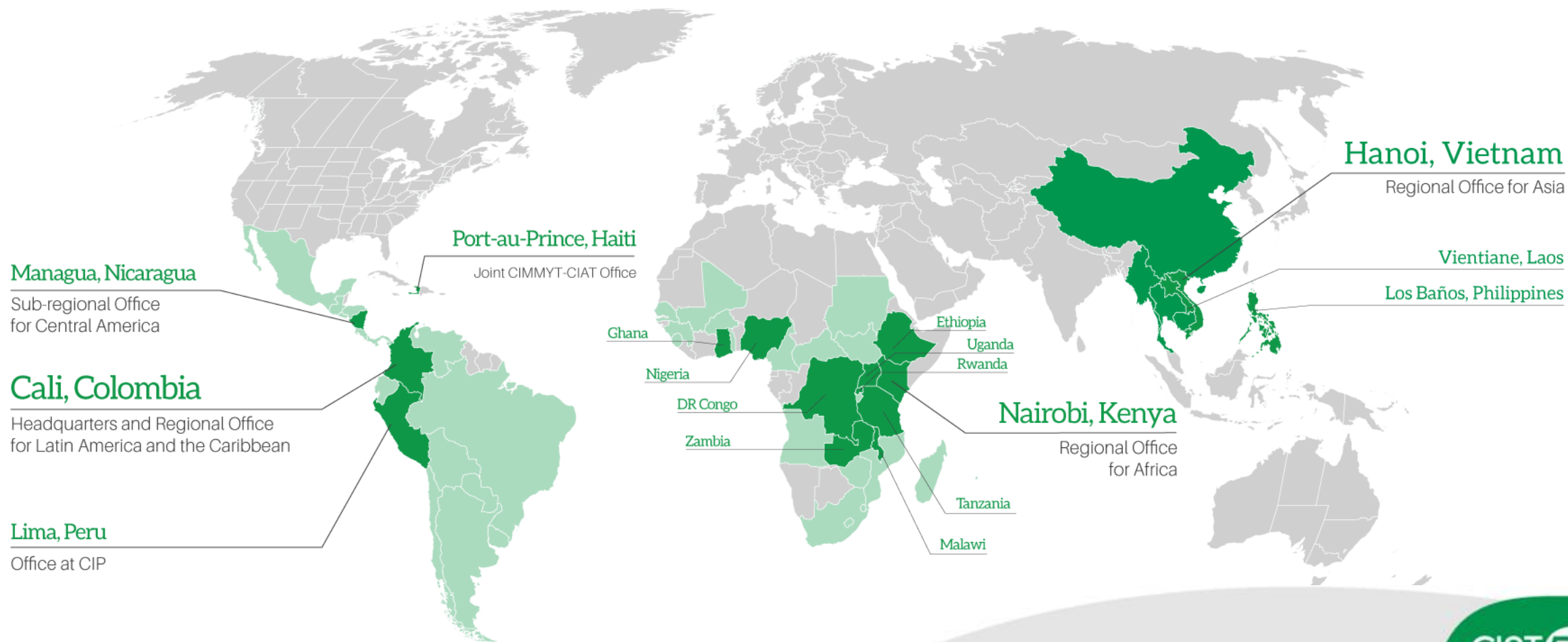


United Nations
Convention to Combat
Desertification

the Global Database on Sustainable Land Management
is the primary recommended database by UNCCD

CIAT AROUND THE WORLD

We work in 53 countries from 21 offices



Our vision, a sustainable food future

At a *glance*

Our vision

Building a sustainable food future

Our mission

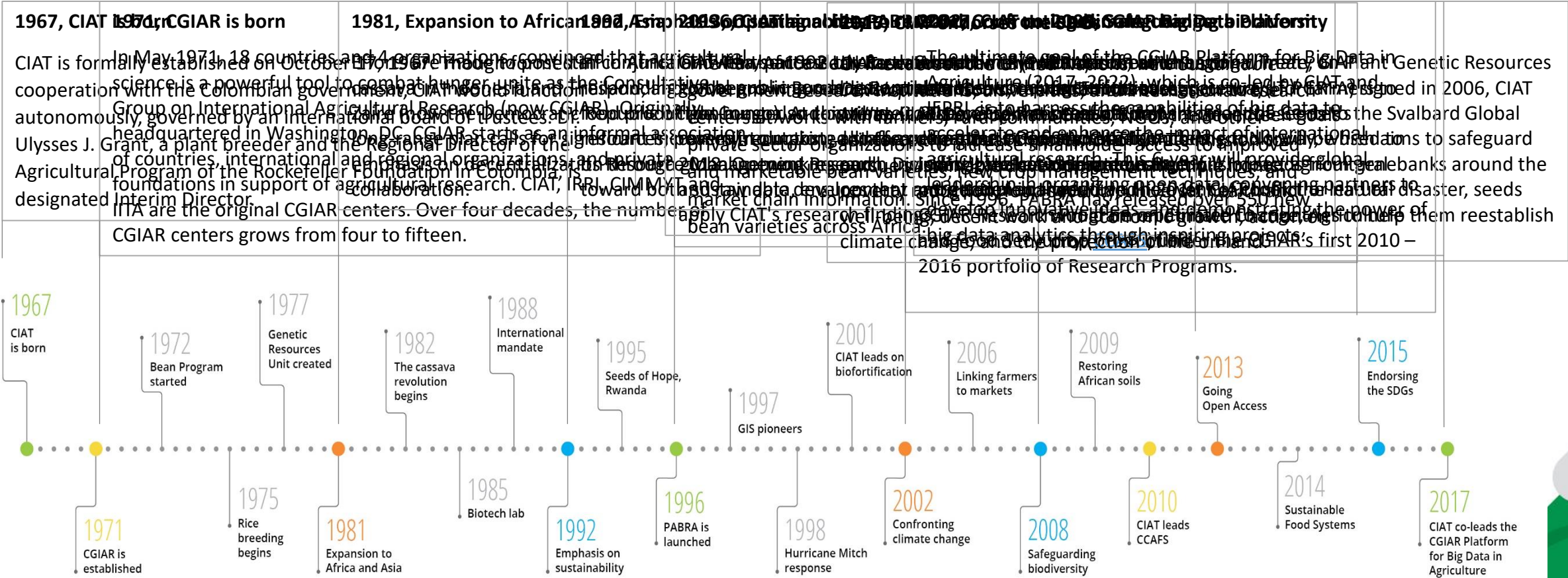
Reduce hunger and poverty, and improve human nutrition in the tropics through research aimed at increasing the eco-efficiency of agriculture

HOW?

- 1 Food security and nutrition
- 2 A better deal for farmers and consumers
- 3 Building resilience
- 4 Global partnerships for impact

50 Years of Growth at CIAT

Selected milestones and moments



CIAT and the SDGs – environmental, social, and economic welfare for all





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