



# Safeguarding the World's Food Supply

Kirkhouse Trust's Bambara Groundnut Symposium

16 February 2024



# The Crop Trust: A Mission that Matters

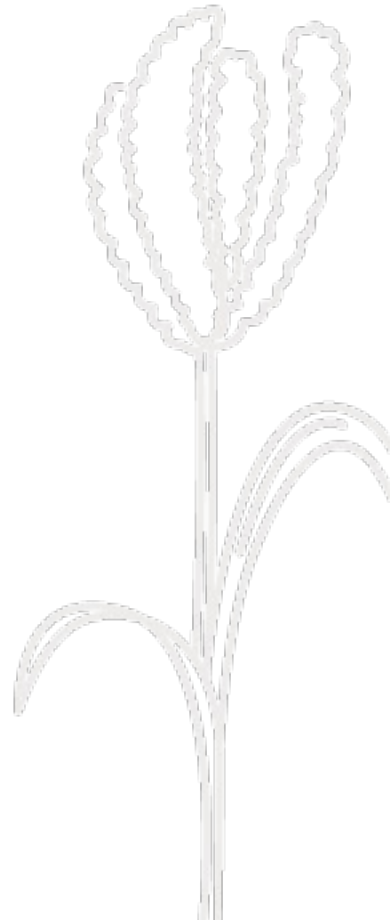
Crop diversity **is essential** for future food and nutrition security. But it is rapidly **disappearing**, in particular due to accelerated **climate change**.

Thus, the **Crop Trust** works to ensure the conservation and availability of crop diversity **globally, forever**.





The Crop Trust  
is dedicated to  
conserving  
and making  
**crop diversity**  
available for use  
globally, forever  
and for the benefit  
of everyone





# Crop Trust at a glance



**Established:** 2004 in Rome



Policy: **International Plant Treaty**



Supporting **Svalbard Global Seed Vault**



Supporting **genebanks globally**



**Headquarters:** Bonn (since 2012)





# We have a fifteen-year track record connecting **farmers** and **researchers** to valuable genetically diverse seeds



## 2006

First long-term grant supporting an international collection is signed: with the International Rice Research Institute

## 2010

Our Diversity Endowment Fund surpasses \$100 million

## 2018

Over 4,500+ seed samples collected as part of the Crop Wild Relative project

## 2020

Withdrawals from the endowment to support Genebank Platform & Operations surpasses \$50 million

## 2021

As of December 2021, Genesys made data on 4.3m genebank samples publicly available

# We are partnering with 150+ organizations in 48 countries to conserve crop diversity

## The Crop Trust's work in support of genebanks globally

### Established

2004 under international law

### Our main contributors

Governments and Foundations

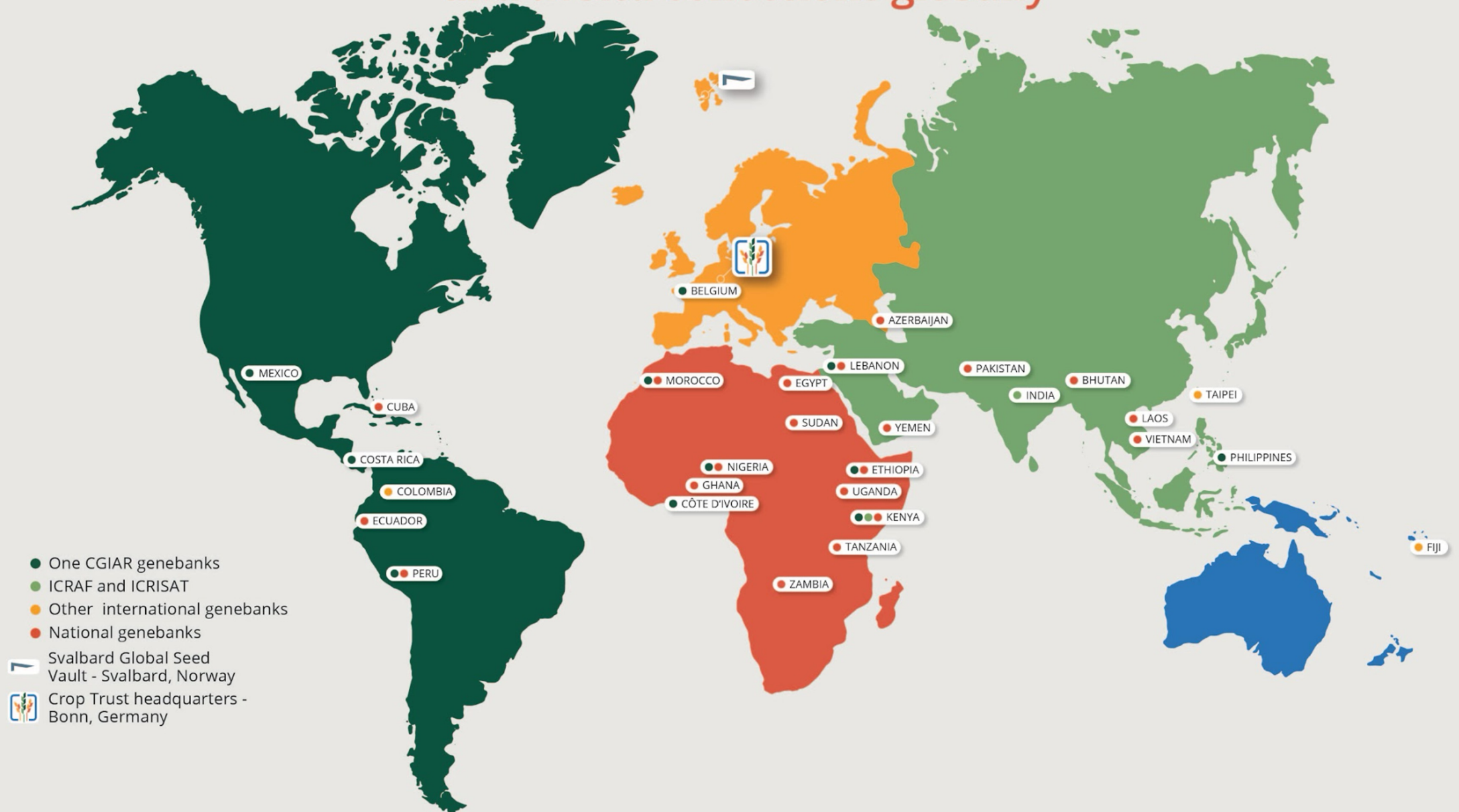
### Policy

International agreement, backed by 150 countries + EU

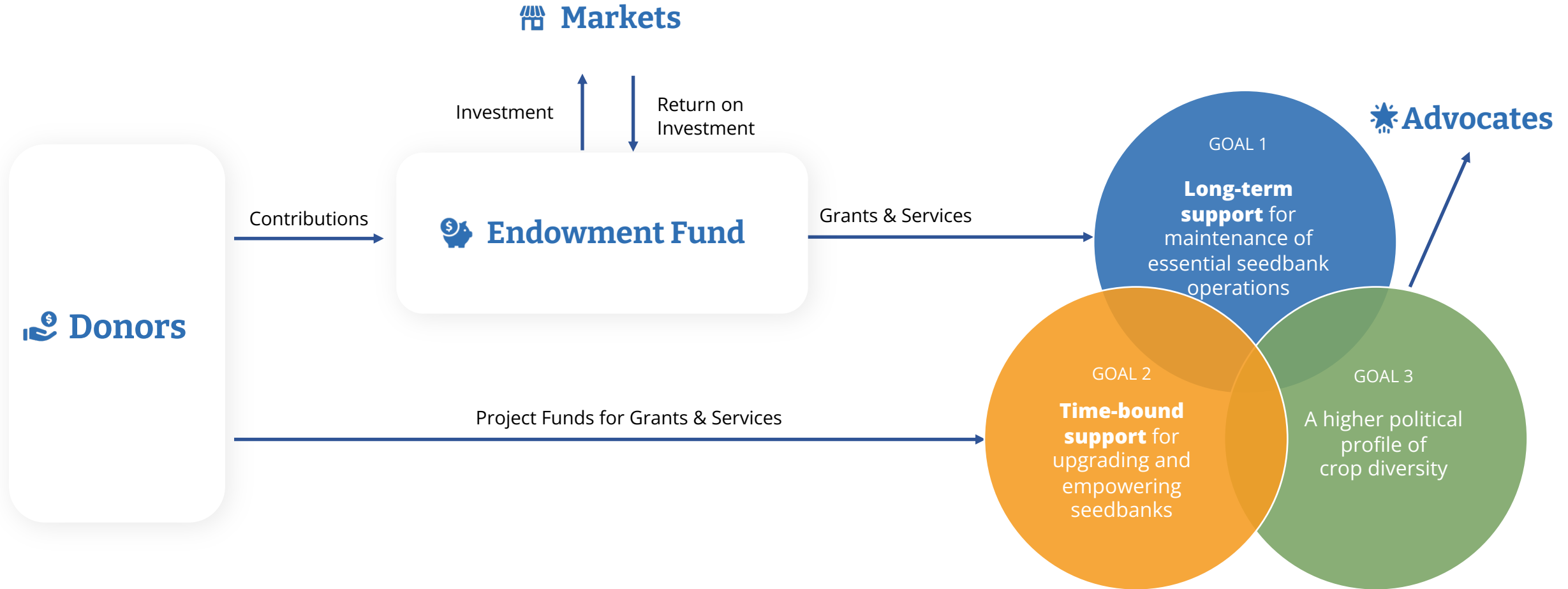




# The Crop Trust and *ex situ* collections globally



# How we work





WHY US

# Build Food System Resilience: *Seed* (Not ~~Farm~~) to Fork

Wild for  
(Formas silve

1

Collect seeds

2

Conserve seeds

3

Make seeds available

4

Research & Pre-breed

5

Farm to Fork

- Farm
- Store
- Process
- Distribute
- Retail
- Consume



# Long-term Support for Genebanks

- Through its Endowment Fund, the Crop Trust currently supports key international genebanks around the world through Long-term Grants (LTGs) and Long term Partnership Agreements (LPAs).
- A proportion of the running costs of conserving and making available the following collections are covered by LTGs “in perpetuity”.





# Our work with Bambara groundnut

RESOURCE LIBRARY

## Lasting Support Guaranteed for the Conservation of Sub-Saharan Africa's Crop Diversity

7 September 2023



IITA's genebank, Genetic Resources Center, houses the world's largest collection of cowpea. Photo: Tchamba Marimagne/IITA

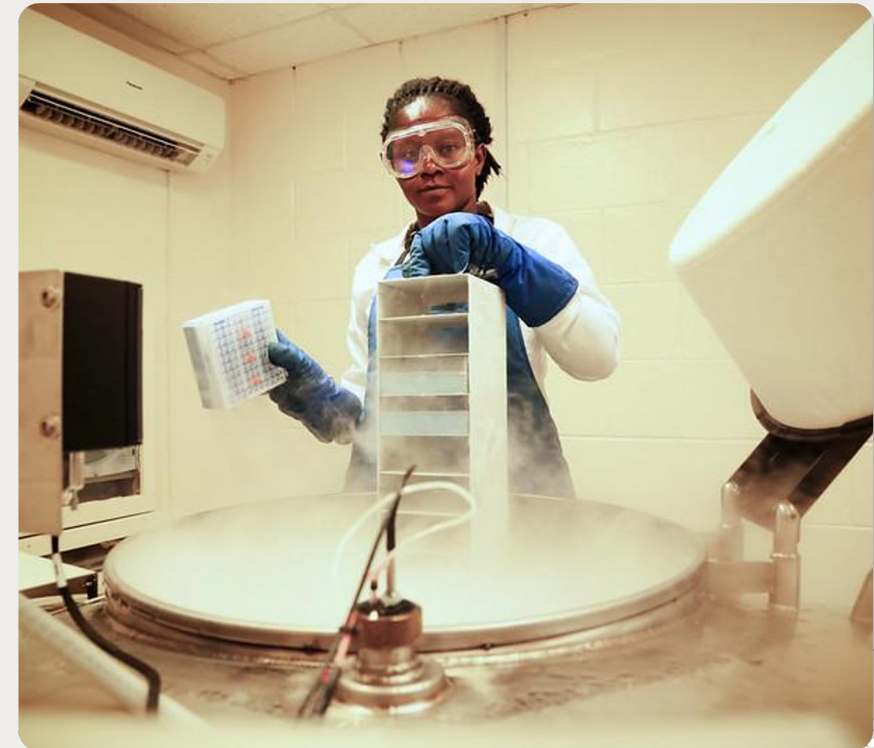
Share



Photo credit: IITA

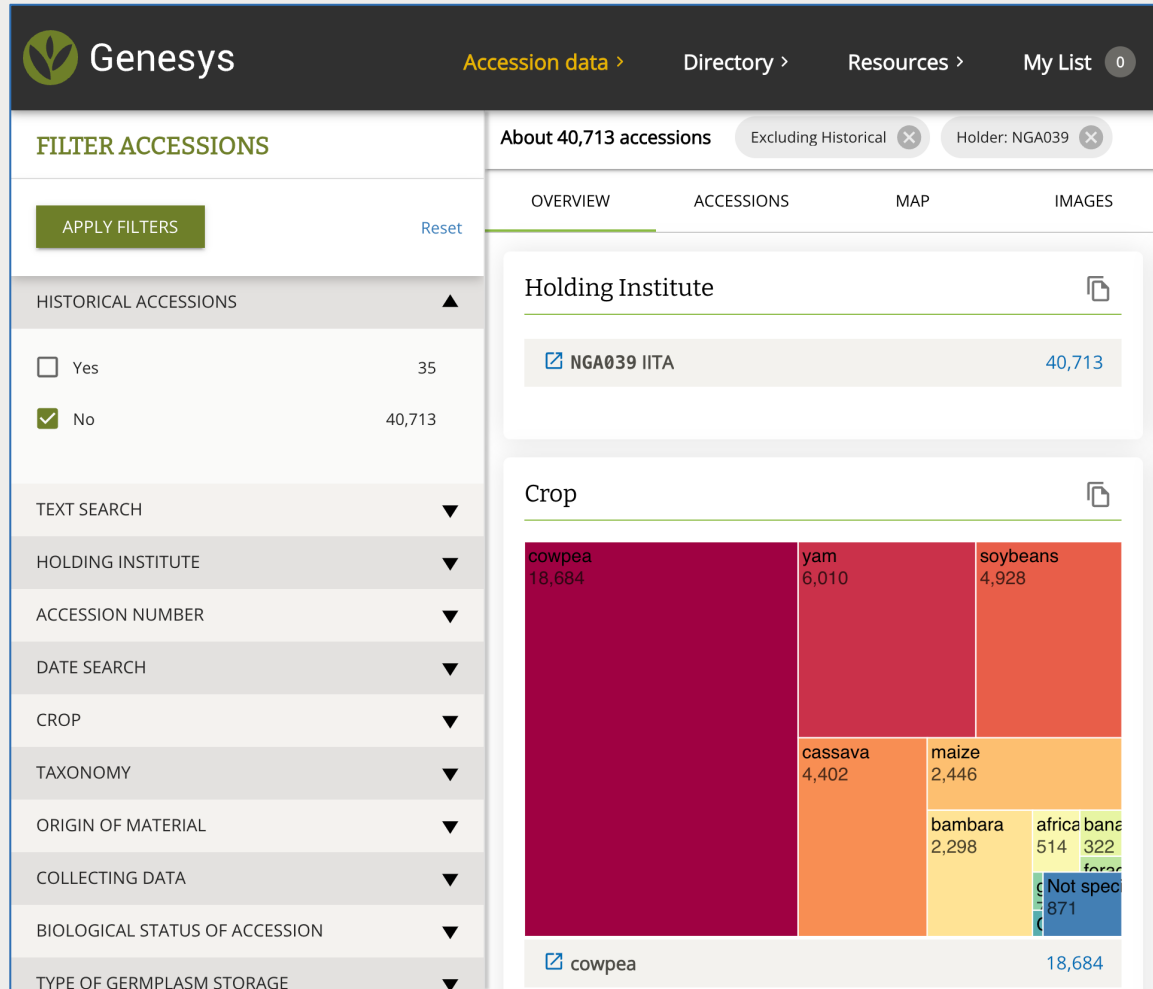
# Our work with Bambara groundnut

- Signed in 2023, the Long-term Partnership Agreement between the Crop Trust and IITA secures perpetual funding for IITA's Genetic Resources Center, **ensuring the conservation and distribution of over 36,000** accessions of key sub-Saharan African food crops.
- The agreement covers essential operations for preserving staple crops like maize, **Bambara groundnut**, and African yam bean, including the world's largest collection of cowpea.
- With over 70% of the collection originating from 40 African countries, this partnership safeguards the future of Africa's staple crops and promotes global food security.





# Our work with Bambara groundnut



**Genesys** Accession data > Directory > Resources > My List 0

**FILTER ACCESSIONS**

APPLY FILTERS Reset

HISTORICAL ACCESSIONS ▲

Yes 35

No 40,713

TEXT SEARCH ▼

HOLDING INSTITUTE ▼

ACCESSION NUMBER ▼

DATE SEARCH ▼

CROP ▼

TAXONOMY ▼

ORIGIN OF MATERIAL ▼


COLLECTING DATA ▼

BIOLOGICAL STATUS OF ACCESSION ▼


TYPE OF GERmplasm STORAGE ▼

About 40,713 accessions Excluding Historical x Holder: NGA039 x

OVERVIEW ACCESSIONS MAP IMAGES

Holding Institute 

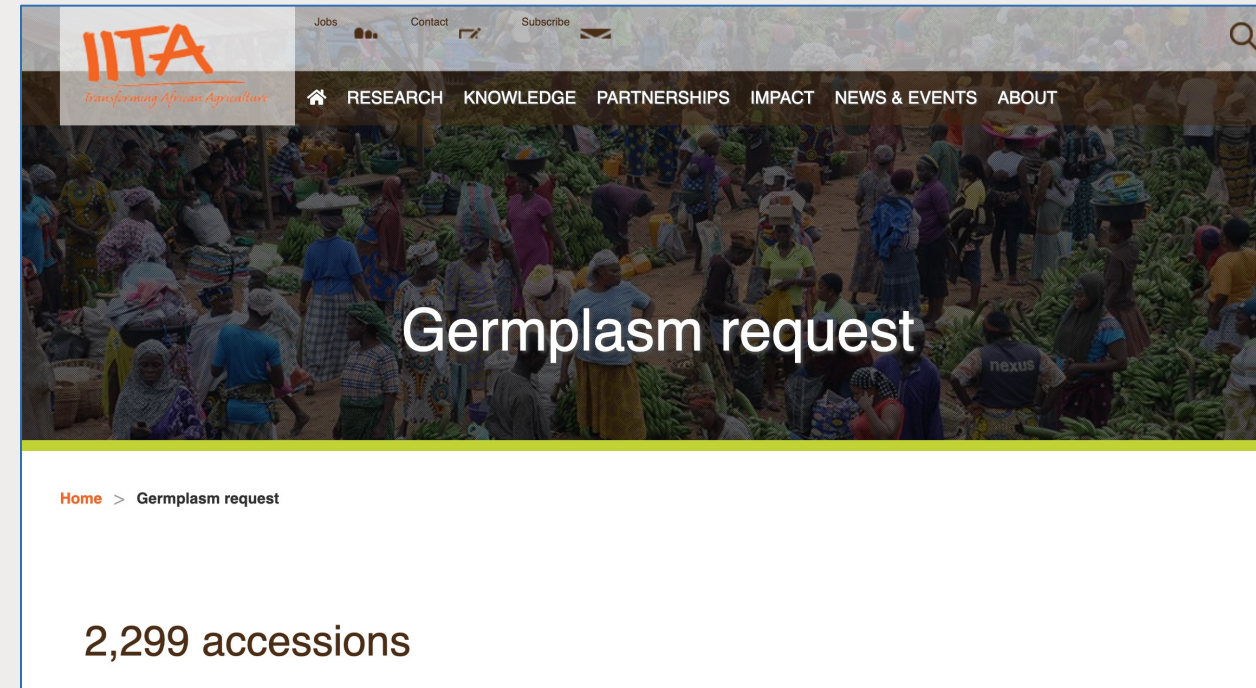
NGA039 IITA 40,713

Crop 

cowpea 18,684	yam 6,010	soybeans 4,928
	cassava 4,402	maize 2,446
		bambara 2,298
		africa bana 514
		Not spec 871

cowpea 18,684

<https://www.genesys-pgr.org/>



**IITA** Transforming African Agriculture

Jobs Contact Subscribe

RESEARCH KNOWLEDGE PARTNERSHIPS IMPACT NEWS & EVENTS ABOUT

## Germpasm request

Home > Germpasm request

### 2,299 accessions

<http://tinyurl.com/ydt4zmc7>



# Our work with Bambara groundnut



CSIR-PGRI



Photo credit: Neil Palmer / Crop Trust



Photo credit: Neil Palmer / Crop Trust



# Our work with Bambara groundnut

**The objective of the strategy is to outline a plan for the effective conservation of the diversity of *Vigna* crops and their wild relatives.**

## **1. Global Collaboration:**

- Expand worldwide collaborations for conserving *Vigna* collections.
- Facilitate information sharing among genebanks.

## **2. Regeneration and Duplication:**

- Collaborate with research and breeding institutes for regeneration and safety duplication.
- Ensure global promotion of these initiatives.

## **3. Germplasm Characterization:**

- Enhance collaboration on germplasm characterization.
- Contribute data to global databases to identify and fill collection gaps.



## GLOBAL STRATEGY FOR THE CONSERVATION AND USE OF VIGNA

With support from



# Our work with Bambara groundnut

**The objective of the strategy is to outline a plan for the effective conservation of the diversity of *Vigna* crops and their wild relatives.**

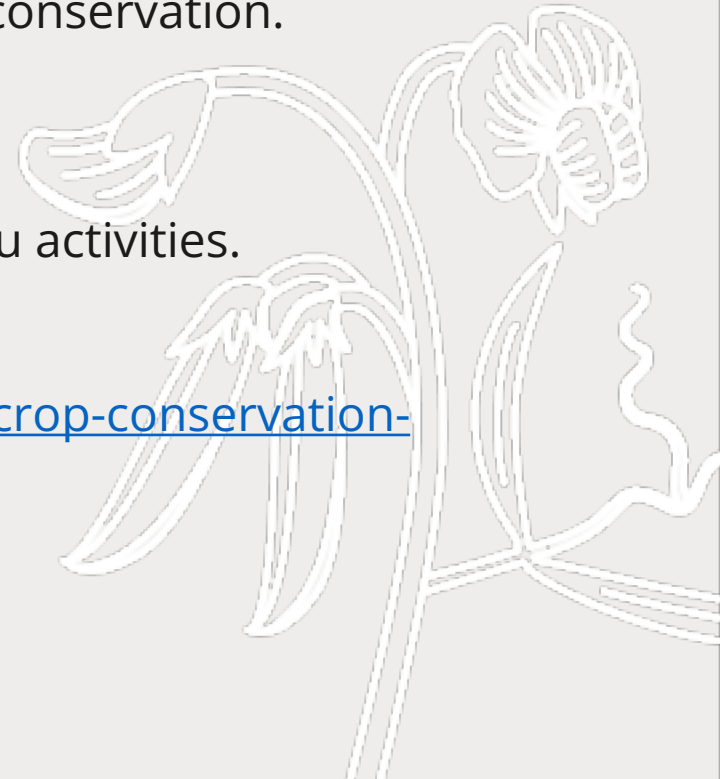
## **5. International Support Platform:**

- Establish a common international platform.
- Provide technical and financial support to small genebanks for germplasm conservation.

## **6. In Situ Conservation:**

- Strengthen in situ conservation of *Vigna* genetic resources.
- Emphasize conservation of *Vigna* crop wild relatives and connect with ex situ activities.

*Vigna* strategy available here: <https://www.croptrust.org/work/projects/global-crop-conservation-strategies/vigna/>







**THANK YOU**

**[WWW.CROPTRUST.ORG](http://WWW.CROPTRUST.ORG)**