

Developing the Global System

Putting Crop Diversity to Work

The Crop Trust works to ensure the conservation and availability of crop diversity for food security worldwide



WHY PUT BIODIVERSITY TO WORK?

- feed a growing population
- increase nutritional value
- fight new pests and diseases
- adapt to climate change
- reduce environmental footprint

YES, WE CAN!

Example rice:

- More tolerant to salinity
- More Nutritious
- Higher Yields



UN SUSTAINABLE DEVELOPMENT GOALS

Proposed Goal 2: End hunger, achieve food security and improved nutrition, and promote sustainable agriculture

2.5: By 2020 maintain genetic diversity of seeds, cultivated plants, farmed and domesticated animals and their related wild species, including through soundly managed and diversified seed and plant banks at national, regional and international levels, and ensure access to and fair and equitable sharing of benefits arising from the utilization of genetic resources and associated traditional knowledge as internationally agreed



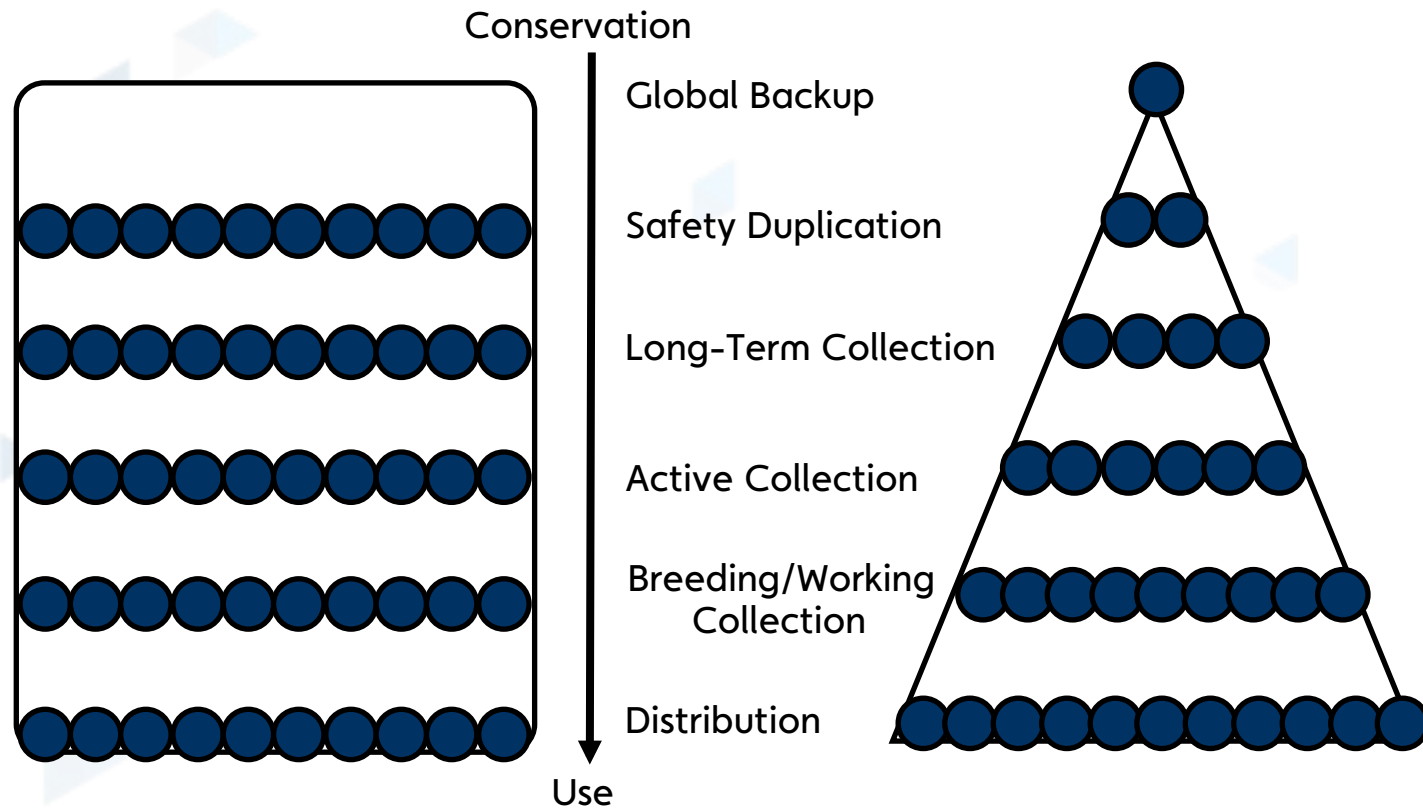
**CROP DIVERSITY IS A
PREREQUISITE FOR
FOOD SECURITY**

THE OBJECTIVE

A cost-effective, rational, and global system for the conservation of crop diversity.



CONVENTIONAL VS GLOBAL



SVAlBARD GLOBAL SEED VAULT

Deep inside a mountain
on a remote island halfway between mainland
Norway and the North Pole...





INTERNATIONAL GENE BANKS



INTERNATIONAL GENE BANKS



INFORMATION SYSTEMS

- Genesys
- GRIN-Global
- DivSeek



BIG DATA

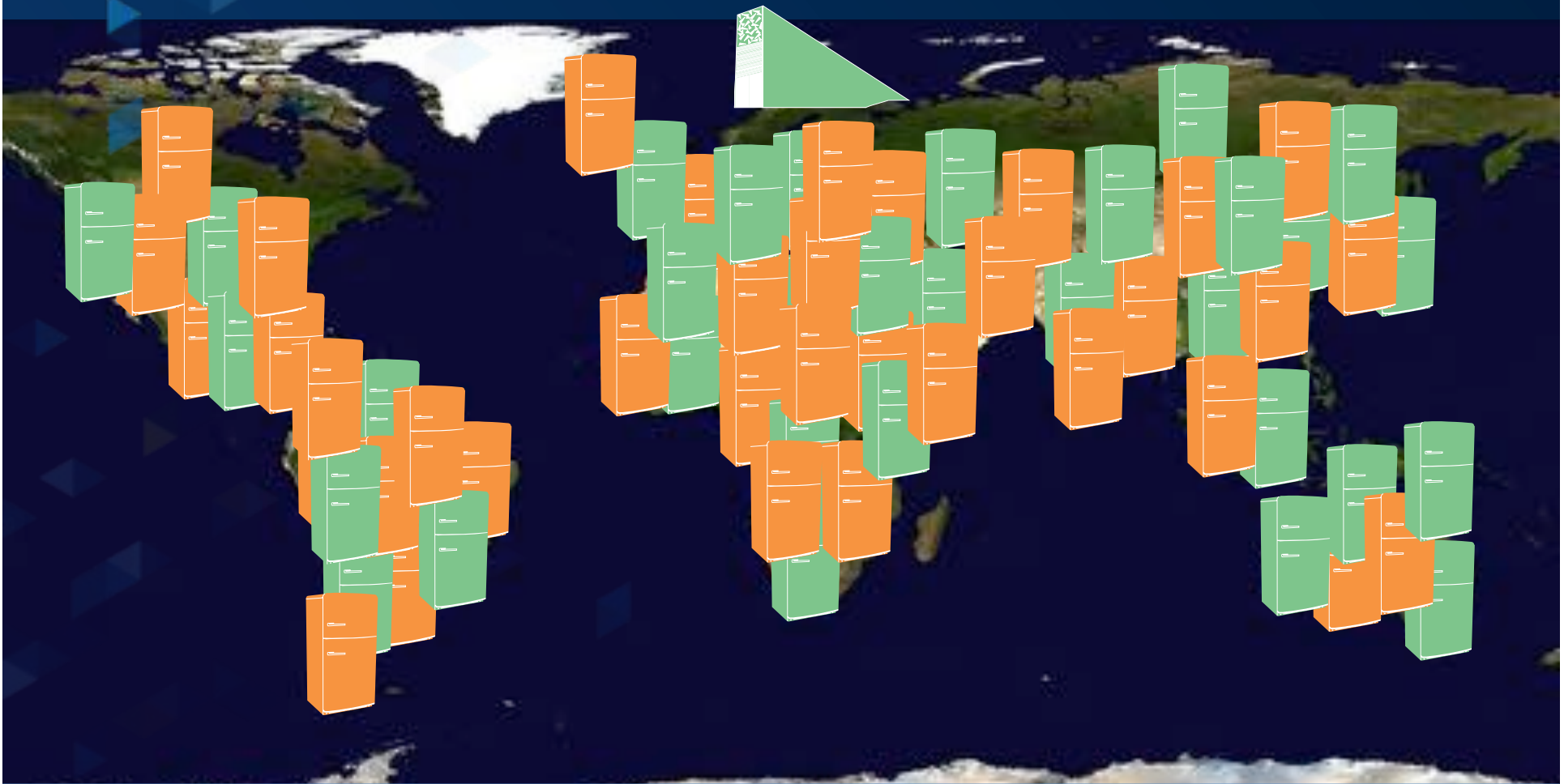
A big step towards food security



CROP TRUST PRIORITY CROPS

1	Rice	11	Yam	21	Aroids
2	Cassava	12	Cowpea	22	Pea
3	Maize	13	Citrus	23	Eggplant
4	Banana & plantain	14	Coconut	24	Apple
5	Potato	15	Barley	25	Lentils
6	Sorghum	16	Brassicas	26	Forages
7	Sweet potato	17	Sunflower		
8	Wheat	18	Pigeon pea		
9	Millet	19	Broad beans and vetches		
10	Beans	20	Chickpea		

A WORLD OF GENE BANKS



METHODOLOGY

1. Global significance of the collection
2. Collection accessibility in the Multilateral System
3. Capacity of the host institution to conserve, manage and supply material
4. Geopolitical and financial risk

EXPERT INPUT REVIEWS

Individual crop experts, ad hoc groups and, where they exist, **formal technical groups** will contribute to the compilation of the 26 Global System Crop Strategies.

In addition, the Crop Trust will convene a **Global System Advisory Committee** which will review and validate the 26 Global System Crop Strategies and the overall Global System Strategy.

DELIVERABLES

▶ Individual Crop Global System Collection Strategies, one for each priority crop, comprising:

- A list of globally significant collections and their host institutes
- Understanding of the status of the collections in relation to their accessibility under the Multilateral System
- An assessment of host institutions technical capacity within the Global System

A Crop Trust Global System Strategy comprising:

- A portfolio of eligible collections across all 26 crops
- Type and amount of support needed



CROP TRUST

SECURING OUR FOOD, FOREVER



A top-down photograph of four hands, two on the left and two on the right, each holding a different variety of beans. The hands are positioned in a circle, with the palms facing up. The beans are: purple/red (leftmost), yellow (second from left), white (second from right), and a mix of purple and tan (rightmost). The background is a dark, textured surface.

THANK YOU



CROP TRUST
SECURING OUR FOOD, FOREVER