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
Example rice:

- More tolerant to salinity
- More Nutritious
- Higher Yields
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
A cost-effective, rational, and global system for the conservation of crop diversity.
CONVENTIONAL VS GLOBAL

Use

Conservation

Global Backup

Safety Duplication

Long-Term Collection

Active Collection

Breeding/Working Collection

Distribution

www.croptrust.org
Deep inside a mountain on a remote island halfway between mainland Norway and the North Pole...
INTERNATIONAL GENE BANKS
• Genesys
• GRIN-Global
• DivSeek
BIG DATA

A big step towards food security
## CROP TRUST PRIORITY CROPS

<table>
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<tr>
<th></th>
<th>Rice</th>
<th></th>
<th>11</th>
<th>Yam</th>
<th></th>
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<th>Aroids</th>
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<tr>
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<td>Cassava</td>
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<td>12</td>
<td>Cowpea</td>
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<td>Pea</td>
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<td>Maize</td>
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<td>Citrus</td>
<td></td>
<td>23</td>
<td>Eggplant</td>
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<tr>
<td>4</td>
<td>Banana &amp; plantain</td>
<td></td>
<td>14</td>
<td>Coconut</td>
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<td>Apple</td>
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<tr>
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<td>Lentils</td>
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<td>6</td>
<td>Sorghum</td>
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<td>Pigeon pea</td>
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<td>9</td>
<td>Millet</td>
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<td>Broad beans and vetches</td>
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<td>Chickpea</td>
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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
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.
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
THANK YOU