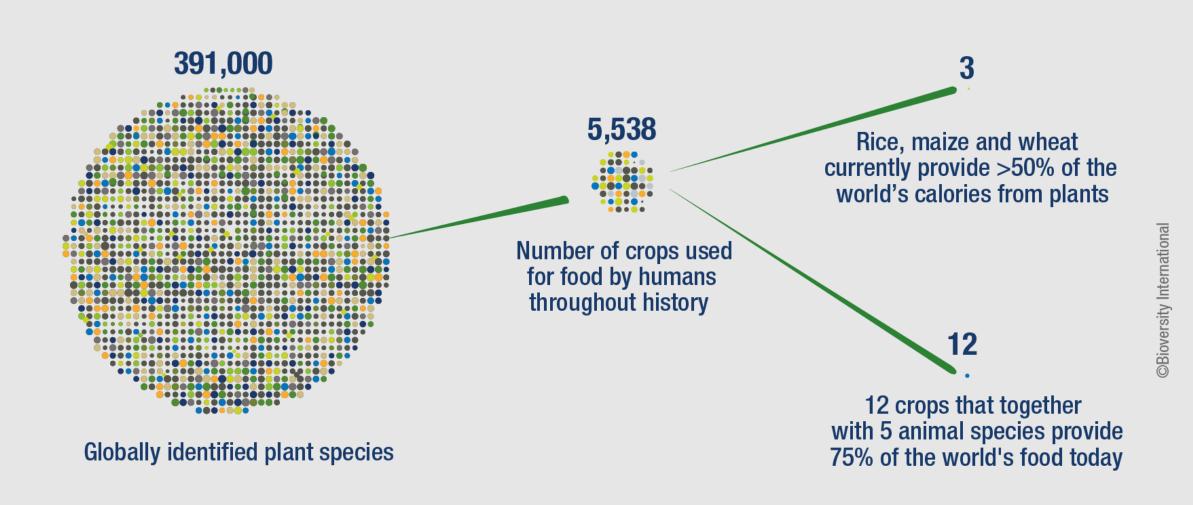
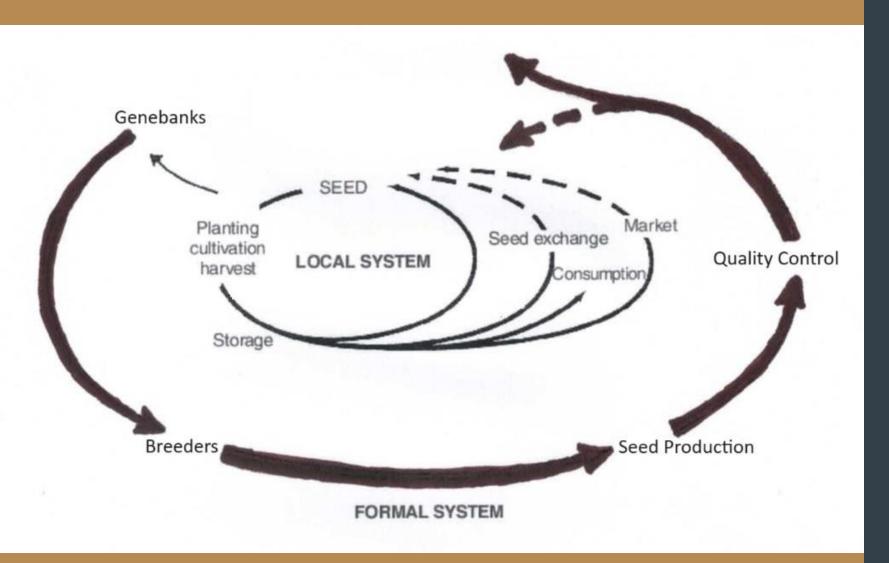
# Seed Systems in Agricultural Development





## **Agrobiodiversity Loss**





## Seed System Synergy

### **Advantages** Improved varieties Can save seeds year after year +)Affordable Quality control Uniform yield Better access for rural farmers Formal System **Informal System CSB** Limited access for rural farmers Limited quality control Reliance on seed providers Genetic variability Community

Seed bank (CSB)

Disadvantages

Expensive

## ECHO's Approach

Regional Seed Banks

Community Seed Banks

Farmer-level Seed Saving

Open-Pollinated Varieties

Neglected & Underutilized Species



## Seed Exchanges

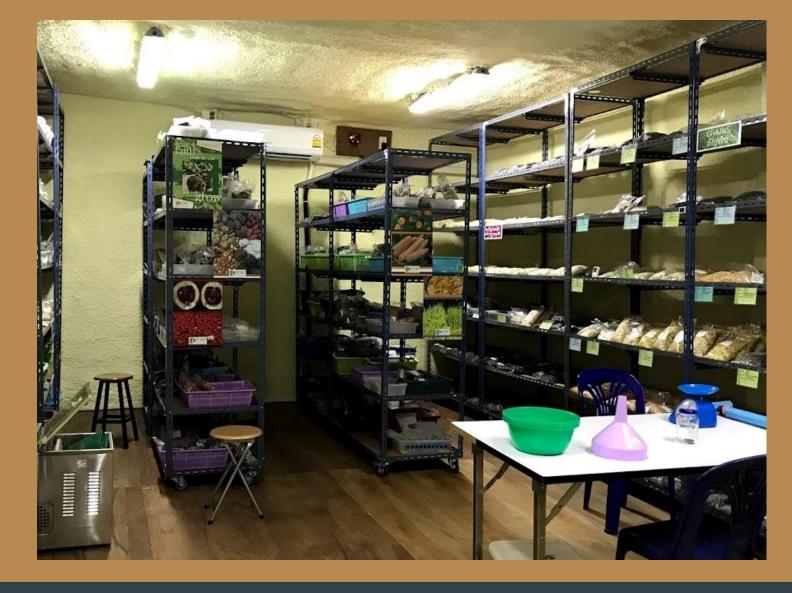








ECHO Global Seed Bank Florida, United States





ECHO Asia Seed Bank Chiang Mai, Thailand A Growing Network of Community Seed Banks



The Lisu Baptist
Seminary Seed Bank
Pyin Oo Lwin,
Myanmar







# The Kaheelu Center Seed Bank Irrawaddy Delta, Myanmar

















# The Ntuk Nti Community Seed Bank Modulkiri, Cambodia













## The Need for a Network



Transborder movement of genetic materials



**Comparative Advantage** 



Local distribution/availability



Civil unrest/political instability



Strengthening of network partners

### **ECHO Asia Farm Training** Calendar 2024

1 - week Faith & Farming Workshop **February** 1 - week Tropical Ag & Development (TAD) Course 19-24 1 - day Intro to Biochar Production Workshop March 21-22 2 - day Seed Saving Fundamentals Workshop 1 - day Biosand Water Filtration System Workshop April 26 16-17 2 - day Integrated Pest Management Workshop May 1 - day Neglected & Underutilized Species Workshop 14 June 24-29 1 - week Tropical Ag & Development (TAD) Course 18-19 2-day Kitchen Gardening Workshop July 26 **System of Rice Intensification Community Event (Planting)** 1 - day On-Farm Feed & Black Soldier Fly (BSF) Workshop August 19-24 1 - week THAI Tropical Ag & Development (TAD) Course 12-13 2 - day Intro to Soil Health Workshop September October 11 1 - Day Value -Added Products Workshop 1 - week Tropical Ag & Development (TAD) Course 18-23 November **System of Rice Intensification Community Event (Harvesting)** December





Training will be in English

## 1-week Tropical Agriculture & Development Course

This course is designed for development workers, missionaries, and volunteers looking to engage their communities with agricultural ideas and techniques. Participants will be introduced to a wide variety of agricultural practices and technologies through classroom time and hands-on activities on the farm.

**ECHO Asia Small Farm Resource Center** San Sai, Chiang Mai, Thailand

Course Package 5000<sup>THB</sup>

Lunch included

#### **On-Site Accommodations Available**

• Additional costs vary. Please contact us at echoasia@echonet.org for further information.





