



Regional Centers

Britta Hansen

Regional Center Specialist



USAID
FROM THE AMERICAN PEOPLE

**HORTICULTURE
INNOVATION LAB**

UC DAVIS
UNIVERSITY OF CALIFORNIA

The Regional Centers in 2013–2014



USAID
FROM THE AMERICAN PEOPLE

HORTICULTURE
INNOVATION LAB

UCDAVIS
UNIVERSITY OF CALIFORNIA

Regional Centers

} South East Asia- Kasetsart University

- Postharvest cooling, drying beads, solar pumping and drip irrigation, solar drying, D-Lab

} East Africa-Kenya Agriculture Research Institute

- Agro Nets, solar drying of mango, postharvest handling

} Central America- EAP Zamorano

- Integrated curriculum, postharvest training, IPM, irrigation, farmer field schools, D-Lab

Scaling up technologies, research and solutions

} Scaling strategy

1. Regional Centers
2. Private sector partnerships and entrepreneurs
3. Extension and marketing



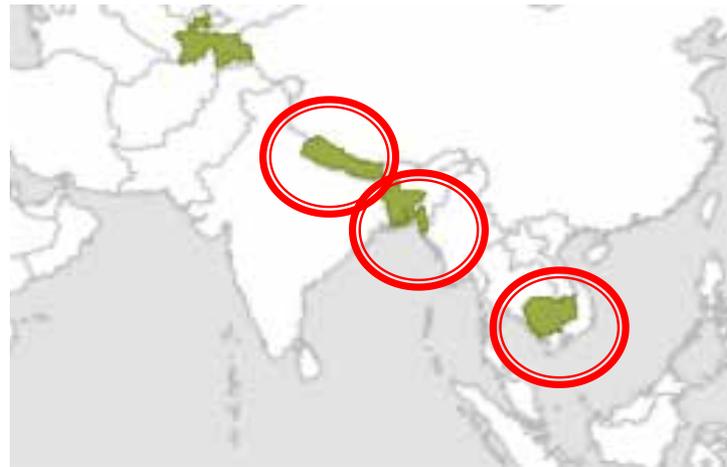
Steering Committees increase impact

- } 5 representatives from diverse sectors within the region
- } Leadership and focus
- } New challenges
- } Expand the center's network and reach



- } How can Horticulture Innovation Lab PIs conduct research and training activities with the centers?
- } What collaborations with PIs have been done, and what has been the outcome?
- } How can other interested groups connect to these centers to benefit their own programs and projects?

Regional Center at Kasetsart



How can Horticulture Innovation Lab PIs conduct research and training activities with the centers?

SE Asia Center welcomes research & training activities.

Please:

- } Communicate

- } Provide opportunity for Regional Center:
 - To observe project's activities (if possible)
 - Visits
 - Workshops, etc
 - To join projects' research and activities

- } Transfer technologies to Regional Center

Transition
Follow-up
Collaboration

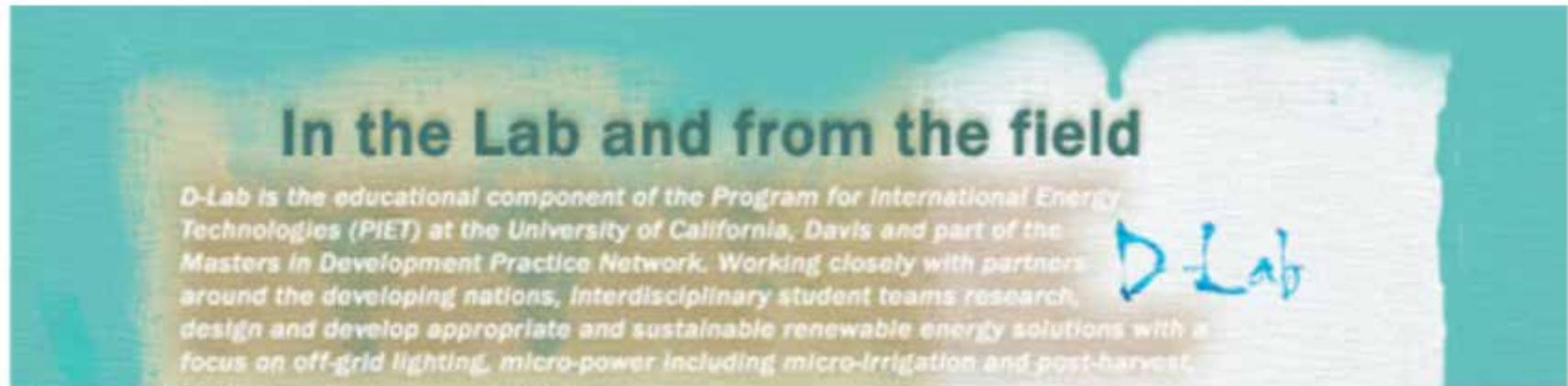
What collaborations with PIs have been done, and what has been the outcome?

- } *New Technology for Postharvest Drying and Storage of Horticultural Seeds* (Kent Bradford)
- } *Innovative Energy Solutions in Horticulture* (*D-Lab*, Kurt Kornbluth)
- } *Safe Vegetable Production in Cambodia and Vietnam: Developing the HARE-Network to Enhance Farmer Income, Health, and the Local Environment* (Cary Trexler)
- } *Evaluating Small-Scale Postharvest Cooling and Drying Technologies in Various Climates* (Lizanne Wheeler)

Drying beads workshop (Oct 2012)



D-lab at Kasetsart KPS campus



[Home](#) [Education](#) [Projects](#) [Contact](#)

THURSDAY, JUNE 28, 2012

Introduction

19 April 2012

Hello everybody. We are Bradley, Jasmine and Majid and we are working with Zamorano University to design a process for making large quantities of BioChar. BioChar is the result of burning highly compressed agricultural waste under low oxygen conditions in a process known as gasification. It resembles Kingsford charcoal briquettes in size, appearance and density. Farmers can potentially use it as a soil additive to trap nutrients needed by crops



WATCH VIDEOS



มีเดียออนไลน์ YouTube

ARCHIVED POSTS

▼ 2012 (2)

▼ June (1)

Introduction 19 April 2012 Hello everybody. W...

► May (1)

► 2011 (12)



USAID
FROM THE AMERICAN PEOPLE

HORTICULTURE
INNOVATION LAB

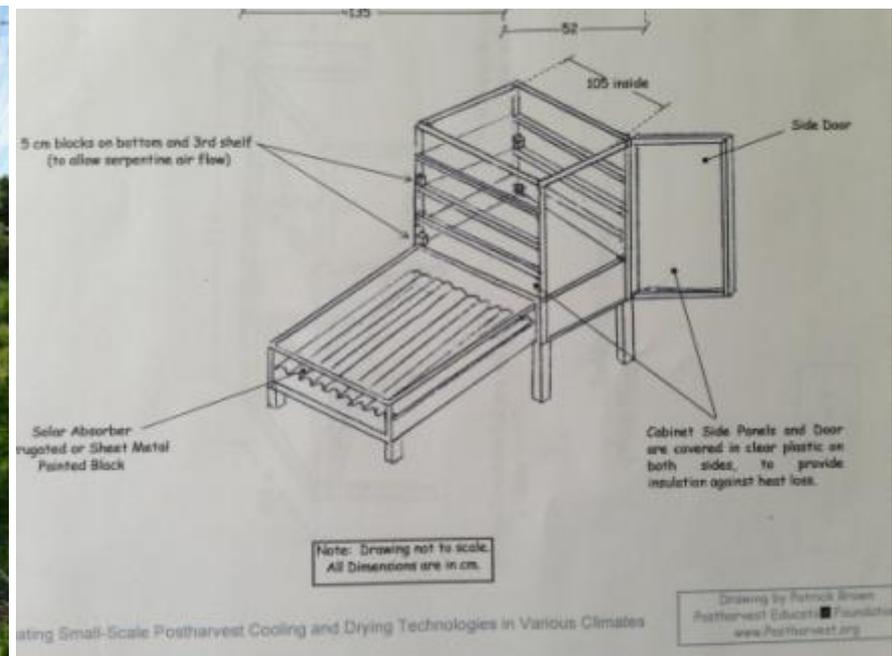
UC DAVIS
UNIVERSITY OF CALIFORNIA

Training in Cambodia

- } CoolBot, nets, soil solarization
- } solar powered irrigation pump



Evaluating Small-Scale Postharvest Cooling and Drying Technologies in Various Climates (Lizanne Wheeler)



How can other interested groups connect to these centers to benefit their own programs and projects ?

} Scaling GLEE

- Excursion, ... exhibition of 5 technologies

} Ag Learn

- Training and extension activities,
- Research/education collaboration with graduate students

} Rhino Research Group

- Research on drying beads regeneration system

} Project Alba in Cambodia

- Training and extension activities, ... research in the future
- crop rotation, fertilizer program, mulching, drip irrigation, post-harvest, seed choice, compost and pest control

Scaling GLEE



Ag Learn ... Nepal

Bangladesh
Cambodia

- } CoolBot
- } Solar powered irrigation pump
- } Nets
- } Soil solarization



Rhino Research Group

- } Seed drying for storage
- } Drying beads regeneration system





Project Alba

Partnership farming in developing countries

Project Alba adapts farmers production to market demand by **partnering with them**. We provide technical advice, tools and inputs while guaranteeing to buy the produce.



Latest news

26/02/13

Production hits record highs

Production has been over 2 tons per week in the past 2 weeks, breaking past records for Project Alba.

31/01/13

Ath Sophat : 1 year at Project Alba

Sophat is working at Project Alba since more than 1 year now !

24/01/13

We are recruiting an agronomist

Spread the word ! Project Alba is recruiting an agronomist for a very result oriented position.

Follow us on   



Regional Center for East Africa



Dr. Lusike A. Wasilwa and Mr. Antony Nyagah



USAID
FROM THE AMERICAN PEOPLE

**HORTICULTURE
INNOVATION LAB**

UC DAVIS
UNIVERSITY OF CALIFORNIA

Innovation Centre Presentation March 2014

Horticulture Innovation Lab Tool Box

- } Drip Irrigation demonstration
- } **Improved postharvest handling practices**
- } Cool room demonstration – cool bot, zero cooling technology
- ¥ **Drying beads**
- ¥ **Plant material/methods**
- ¥ **Nutrient management**

- } **Solar drying**
- } Solar Irrigation Pump
- } Seed source and quality
- } **Environment modification – eco-friendly nets**
- } **Pest management**
- ¥ OFSP (orange fleshed sweetpotato) mill
- ¥ **Marketing**



USAID
FROM THE AMERICAN PEOPLE

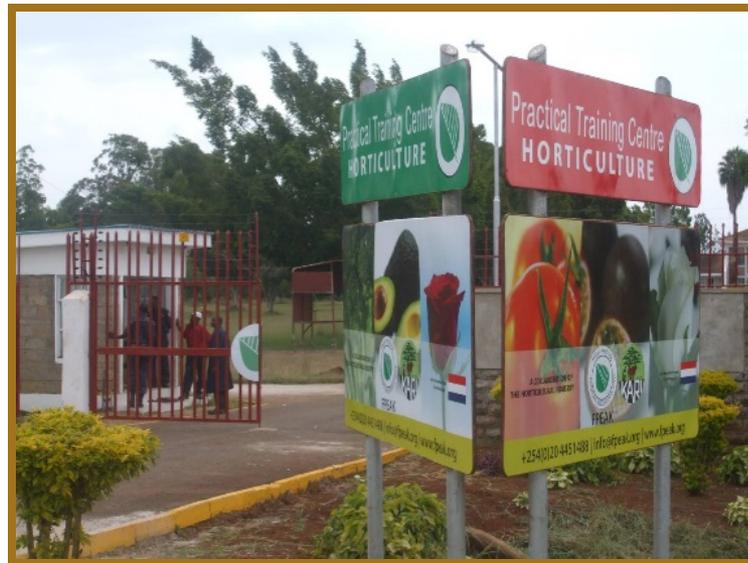
**HORTICULTURE
INNOVATION LAB**

UC DAVIS
UNIVERSITY OF CALIFORNIA

Innovation Centre Presentation March 2014

Achievements

- } Innovation centre contract signed July 2012 and resigned November 2012
- } Initiated links with private (NutPAK) and public sector partners



Innovation Centre Presentation March 2014



USAID
FROM THE AMERICAN PEOPLE

**HORTICULTURE
INNOVATION LAB**

UC DAVIS
UNIVERSITY OF CALIFORNIA

Achievements: Innovation Centre

- ¥ Location of centre at Practical Training Centre, KARI-Thika
- ¥ Opening 9th May 2013



Achievements



- } Increased demand and adoption of IPM, postharvest and pollinator technologies
- } Increased demand from MoA extension frontline staff on agronet and pollinator use technologies
- } Exhibition of banana postharvest technologies (>200 participants) at KARI Headquarters
- } Demonstration of agronet technology in agricultural shows (exposure to many)
- } Numbers trained 2011 to 2014 > 1,000



USAID
FROM THE AMERICAN PEOPLE

**HORTICULTURE
INNOVATION LAB**

UC DAVIS
UNIVERSITY OF CALIFORNIA

Innovation Centre Presentation March 2014

Increased exposure of technologies



Smallholder farmer
training

Nairobi international Show
October 2013



Achievements

} IPM training - 68 (40M : 28 F)



USAID
FROM THE AMERICAN PEOPLE

**HORTICULTURE
INNOVATION LAB**

UC DAVIS
UNIVERSITY OF CALIFORNIA

Innovation Centre Presentation March 2014

Achievements

- } Partnered with FPEAK in training 14 (9 M : 5 F) Ministry of Agriculture staff from Namibia



USAID
FROM THE AMERICAN PEOPLE

**HORTICULTURE
INNOVATION LAB**

UC DAVIS
UNIVERSITY OF CALIFORNIA

Innovation Centre Presentation March 2014

Achievements

- } Use of solar technologies for product diversification – 57 (20M : 37F) trained at Sagana



USAID
FROM THE AMERICAN PEOPLE

**HORTICULTURE
INNOVATION LAB**

UC DAVIS
UNIVERSITY OF CALIFORNIA

Innovation Centre Presentation March 2014

Achievements

- } Banana postharvest technologies – > 200 of 500 participants trained



USAID
FROM THE AMERICAN PEOPLE

**HORTICULTURE
INNOVATION LAB**

UC DAVIS
UNIVERSITY OF CALIFORNIA

Innovation Centre Presentation March 2014



USAID
FROM THE AMERICAN PEOPLE

HORTICULTURE
INNOVATION LAB

UC DAVIS
UNIVERSITY OF CALIFORNIA

1. Exposure of 90 horticulture researchers to the Innovation lab
2. Training smallholder horticulture farmers on market access, postharvest and IPM
3. Partnerships – NutPAK – macadamia nut farmer guide
4. Horticulture research SWOT – funded by NUFFIC
5. Construction of cool bot at PTC and main centre at KARI-Thika
6. Set up of solar water pump for smallholder irrigation
7. Training on pollination - greenhouse pollination
8. Conservation of fruit biodiversity – greening of primary schools using fruit such as guava
9. Drying beads – for people in dry areas
10. Enhanced solization (used black, clear with saw dust)



USAID
FROM THE AMERICAN PEOPLE

HORTICULTURE
INNOVATION LAB

UC DAVIS
UNIVERSITY OF CALIFORNIA

Regional Center at Zamorano

1. Research

2. Education

3. Training

Research
Projects

Regional
Centers

Training and
Extension

Food, Nutrition
and Income
Security



Next steps for the centers

- } Include a specific role for centers in project proposals
- } Invite Center Directors to PI meetings and workshops in the region
- } PIs present their research at relevant centers
- } Include the center as a research site when appropriate
- } Work with centers to test and modify the technologies and processes your projects are working on



We build international partnerships for fruit and vegetable research to improve livelihoods in developing countries.

<http://horticulture.ucdavis.edu>

Thanks!

bhansen@ucdavis.edu