Agroforestry and Sustainable Vegetable Production in Southeast Asian Watersheds

Vietnam-Kickoff Meetings

Manuel Reyes and TMPEGS
May 12, 2006
Acknowledgement
Strong Partnership
Strong Partnership

North Carolina Agricultural and Technical State University

UPLB

Virginia Tech
Thanks .. Thanks

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Thanks to USAID-DC

Chris Kosnik
Mary Melnyck

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Thanks to USAID MISSIONS

Vietnam

David Brunell
Han Do Hong
Binh Le Thi Thanh
Thanks to VT Team

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SK
Theo
Keith
John

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VIP Universities

V - Vietnam
I - Indonesia
P - Philippines
Vietnam University

- Nong Lam University
  - Dang Thanh Ha

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US Universities with sub-awards

• University of California-Berkeley
  – Robin Marsh
US Universities with no sub-awards – but with travel support

- Virginia Tech
  - Conrad Heatwole

- Texas A&M University
  - R. Srinivasan
US Universities with no monetary support

- Purdue University
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- University of California-Davis
  - Howard Shapiro
Australian University

• Central Queensland University
  – David Midmore
International Agriculture Research Centers

- AVRDC-The World Vegetable Center

Photos:
- Greg Luther
- Liwayway Engle
- Manuel Palada
- Mubarak Ali
- Flordeliza Faustino
International Agriculture Research Centers

- ICRAF - The World Agroforestry Center

Meine Van Noordwijk  James Roshetko  Rodel Lasco  Delia Catacutan

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Private partner no monetary support

Howard Shapiro
Inter-CRSP

- IPM-CRSP
  - Michael Hammig
  Clemson University
Consultant

Ronald Morse
Professor Emeritus – Virginia Tech
Outline

1. Problem Statement
2. Objectives
3. Location
4. Methodology
5. Questions and Discussions
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1. Problem Statement
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Problem Statement

Communities in many forest and vegetable producing watersheds in Southeast Asia are suffering from poverty, and forest, soil and water resources degradation.

Nghia Trung, Budang District, Binh Phuoc Province Vietnam
May 11, 2006
Problem Statement

Communities in many forest and vegetable producing watersheds in Southeast Asia are suffering from poverty, and forest, soil and water resources degradation.

Nanggung, Indonesia
May 3, 2006
Problem Statement

Communities in many forest and vegetable producing watersheds in Southeast Asia are suffering from poverty, and forest, soil and water resources degradation.

Lantapan, Philippines
June 9, 2005
Response

TMPEGS

“TeaMPEGS”
PEG

A pin forming a projection that may be used as a support or boundary marker.

TMPEGS Philosophy:
To be a support to small scale farmers both women and men.
Outline

1. Problem Statement
2. Objectives
3. Location
4. Methodology
5. Help & Questions!!!
TMPEGS

Policy
TMPEGS

Environmental & economic-social impact
Gender
Repeat Objectives

TMPEGS

“TeaMPEGS”
TMPEGS Marketing
TMPEGS

Environmental & economic-social impact

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Gender
TMPEGS  

Scaling-up
Technology:
Develop economically viable and ecologically-sound vegetable-agroforestry (VAF) systems
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Nanggung, Indonesia
May 3, 2006
Technology:

Develop economically viable and ecologically-sound vegetable-agroforestry (VAF) systems
Marketing:

Develop a market value chain at the local, regional, and national levels that builds upon existing marketing strategies.
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Nanggung, Indonesia, May 4, 2006
Policy:
Identify policy options and institutional frameworks that promote sustainability of vegetable-agroforestry production and reward environmental services.
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Dr. Dang Ha Nong Lam
Environmental and Socio-economic:

Assess the short and long-term environmental and socio-economic impacts of integrated vegetable-agroforestry systems
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Assess the short and long-term environmental and socio-economic impacts of integrated vegetable-agroforestry systems
TMPEGS

Gender:

Provide mechanisms to ensure women’s involvement in decision-making and sustainable production and marketing practices to improve their socioeconomic wellbeing within the VAF system.
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Scaling-up:

Build host country capacity to manage and disseminate integrated vegetable-agroforestry system
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Build host country capacity to manage and disseminate integrated vegetable-agroforestry system

AVRDC’s grafting method
Outline

1. Concise Problem Statement
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Vietnam

Binh Phouc Province
Vietnam

VAF:
Cacao and Vegetables
Vietnam

Met with Nong Lam University faculty
Visited Success Alliance office, Nicholas Richardson, Ho Chi Minh, City
Met with USAID Vietnam MISSIONS staff David Brunell
Met with Vietnam US Consul staff Heather Variava
Vietnam Site

Chose Nghia Trung, Binh Phouc as the research site

Complementary with a funded USAID Success Alliance project

Ka Do, Lam Dong

If additional funds are provided, scale-up site

Breakfast meeting with Mr. David Brunell

Nursery in Long Nam University
Indonesia

• Nanggung Sub-District
• Near Jakarta
Indonesia

- Nanggung Sub-District
- Near Jakarta

VAF: Home-garden

North Carolina Agricultural and Technical State University
Indonesia

Met with Bogor Agricultural University faculty and students
Visited Nanggung
Visit to USAID Indonesian MISSIONS office was cancelled due to threat
Had a teleconference with Prijanto Santoso (called him from the Philippines)
Indonesia Site

Chose Nanggung to be the research site
   Complementary with a previously funded USAID project
   Kebun – ‘home garden setting’
Pasir Sarongge
   If additional funds are provided, scale-up site

Dr. Susila – farmer – Sweet potato

Farmer proudly showing his new home
Philippines

- Lantapan, Bukidnon
- Island of Mindanao
Philippines

- Lantapan, Bukidnon
- Island of Mindanao

VAF: Alley-Cropping
Chose Lantapan, Bukidnon, Mindanao as project site. This is complementary with a USAID funded ‘Growth with Equity in Mindanao’ project. If additional funds are available scale up site, adjoining vegetable growing communities in Mt. Kitanglad Range Natural Park, Bukidnon Province.
Alley Cropping

Vegetable Agroforestry (VAF) systems is inevitably the most appropriate technology for the uplands to enhance the productivity, profitability and protective functions of vegetable production system in a sustainable manner, while reducing production risks and environmental hazards of vegetable production system.
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Methodology

Organizational Structure:

*VIDIN* - A city of extreme northwest Bulgaria on the Danube River near the Yugoslav border. Founded in the first century A.D. as a Roman fortress, it was under Turkish rule from 1386 to 1807. Population 64,000.
Methodology

• **Baseline Survey**
  - Develop drafts before kick-off meetings in VIP countries
  - May 2006
Methodology

Menu of Technology some of which are:

- Vegetable-Agroforestry
- Improved and indigenous vegetables
- Drip irrigation
- Integrated Pest Management
- No-till

****VIDIN Technologies****
Methodology

Menu of Technology some of which are:

- Vegetable Agroforestry
- Improved and indigenous vegetables
- Drip irrigation
- Integrated Pest Management
- No-till

Not all these technologies may apply in a country and we may find out none of them may apply in a country.
Methodology

• Determine our intervention technologies

• Conduct experiments in farmer fields
Outline

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Questions and Discussions

Thanks!!!!

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