USAID
FROM THE AMERICAN PEOPLE

innovATE

Building the capacity of the Cambodian agricultural education and training system

Association of International Agricultural and Extension Education Annual Conference
Wageningen University, April 27-May 1, 2015

Tom Gill (Penn State), Kristal Jones (Penn State, University of Maryland), Rick Bates (Penn State), Melanie Miller-Foster (Penn State)

Who is innovATE?

The program is implemented by a consortium of US universities:

Virginia Tech with:

- Tuskegee University
- Penn State University
- University of Florida

Virginia Tech 1872 Invent the Future

TUSKEGEE UNIVERSITY 1881

PENNSTATE 1855

UF UNIVERSITY of FLORIDA The Foundation for The Gator Nation

The Challenge

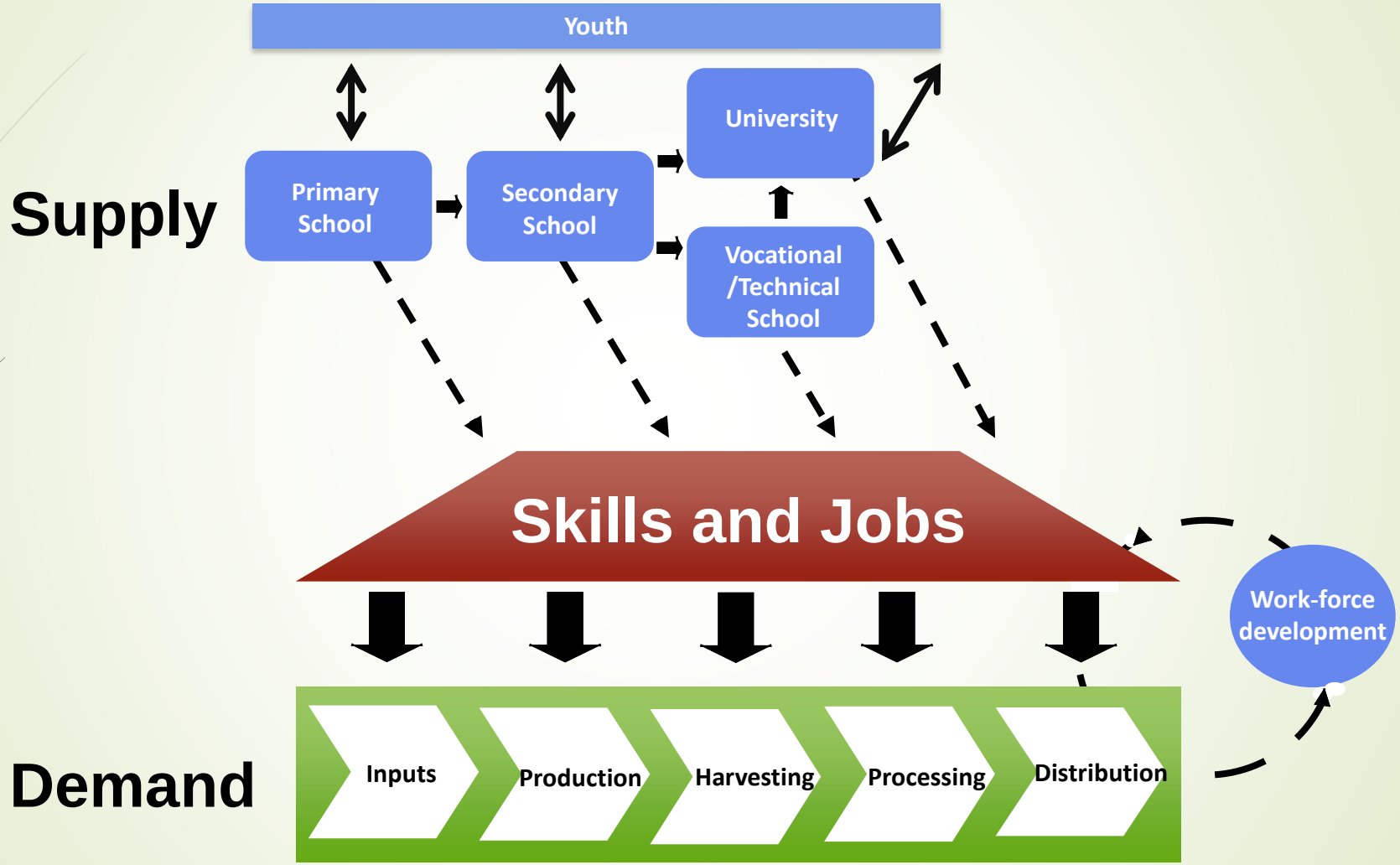
- HUMAN CAPACITY: Agricultural sector in less developed and emerging economies, including public and private institutions, needs skilled employees

  (e.g. appropriate skillsets, degree programs, research and extension training)

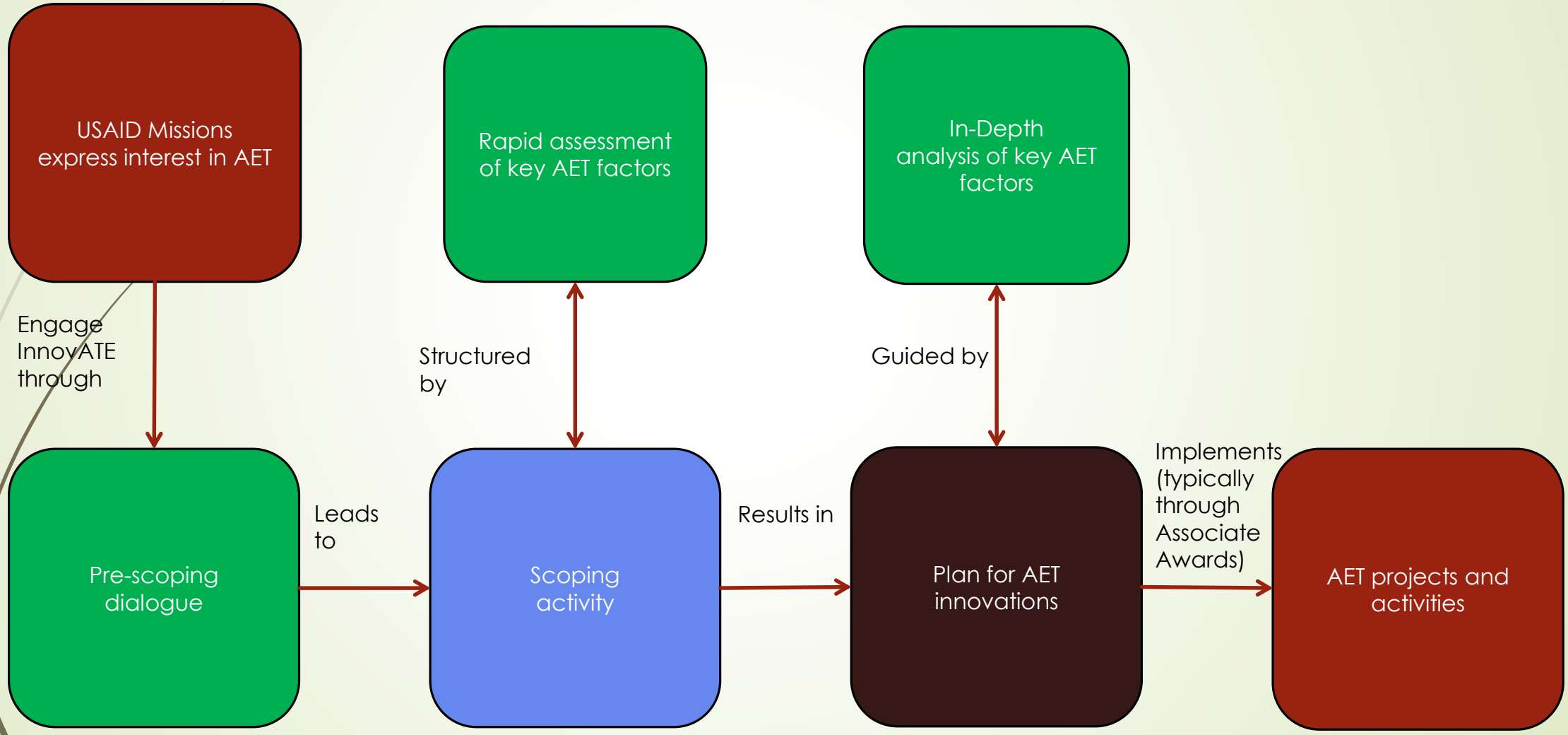
- INSTITUTIONAL CAPACITY: Public institutions with agricultural programming are weak

  (e.g. curricula, infrastructure, administrative capacity)

Workforce development and AET systems



How does innovATE work?



The case of Cambodia

Feed the Future Country Fact Sheet

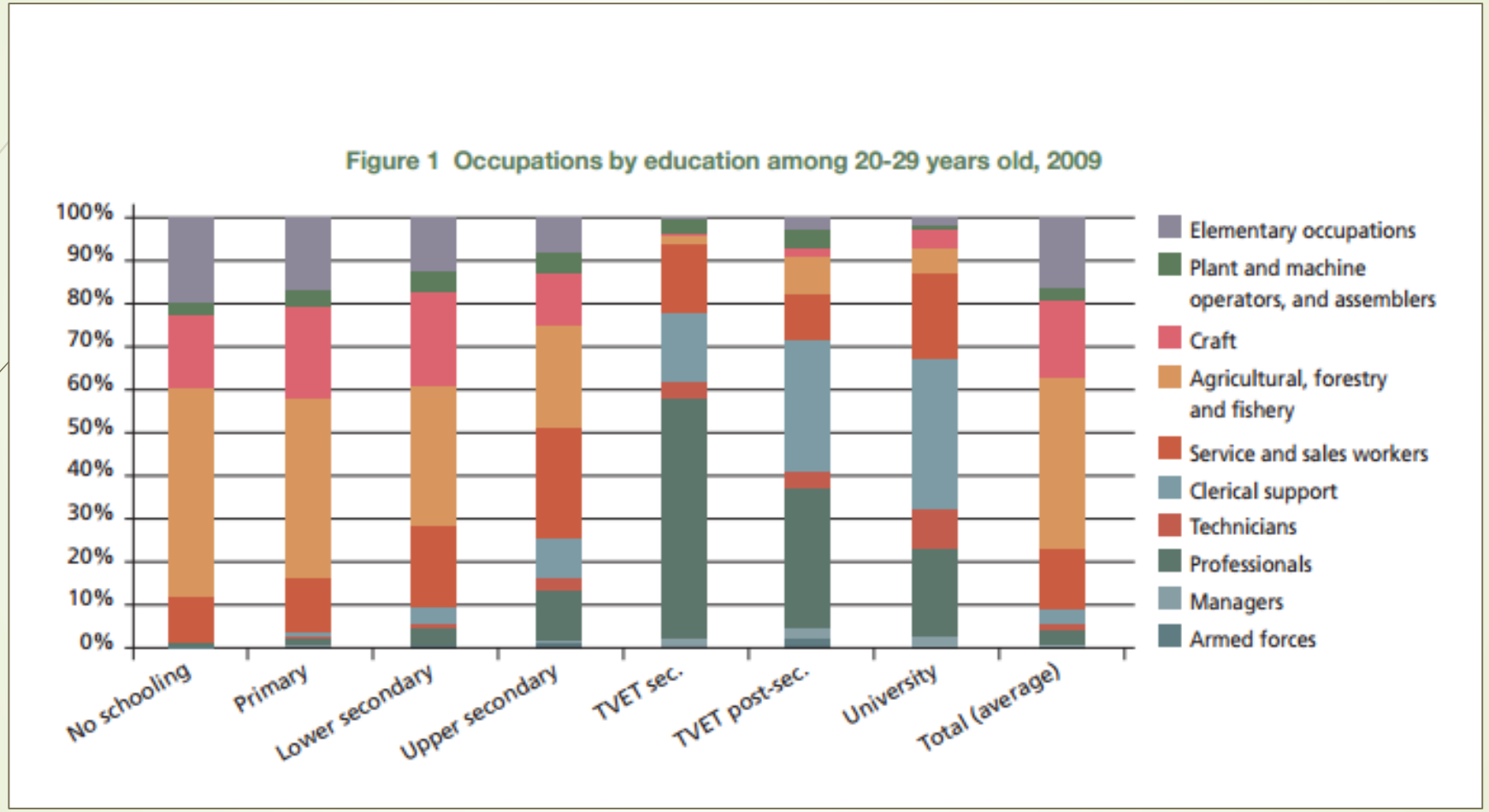
COUNTRY PROFILE

Cambodia

In Cambodia, Feed the Future is targeting investments in specific regions for maximum impact. These statistics reflect the realities of Cambodia and the results of Feed the Future's work there.

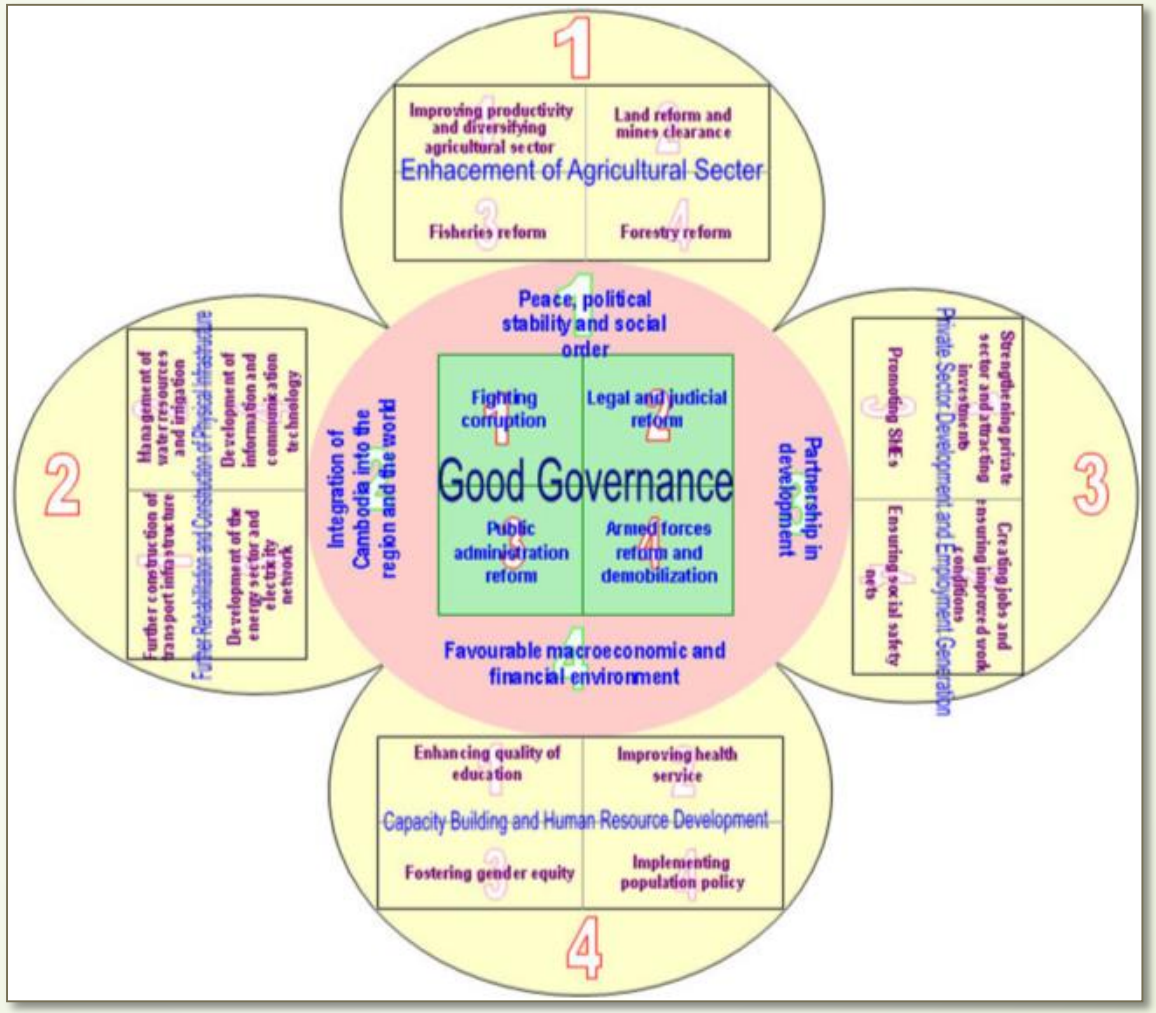
POPULATION	POVERTY	STUNTING	RURAL	GDP
15.1 MILLION Number of people living in Cambodia (World Bank, 2013)	**11.6** PERCENT Percentage of people living in poverty in Feed the Future target regions	**44** PERCENT Percentage of children under 5 suffering from stunting in Feed the Future target regions	**80** PERCENT Percentage of population living in rural Cambodia (World Bank, 2013)	**7.3** PERCENT Annual GDP growth. Agriculture accounts for 36 percent of value added (World Bank, 2012)
FARMERS	**SALES**	**NUTRITION**	**LAND**	**INVESTMENT**
32 THOUSAND Producers using new technology and skills with Feed the Future's help in FY13	**$7.6** MILLION Value of Feed the Future farmer sales in FY13	**6** THOUSAND Children under 5 reached with nutrition help in FY13	**12.5** THOUSAND Hectares tended with improved technologies or management practices in FY13	**$664** THOUSAND New private investment leveraged by Feed the Future in FY13

The case of Cambodia



World Bank (2012) *Matching Aspirations: Skills for Implementing Cambodia's Growth Strategy*; Data from Cambodia Socio-Economic Survey 2009

The case of Cambodia



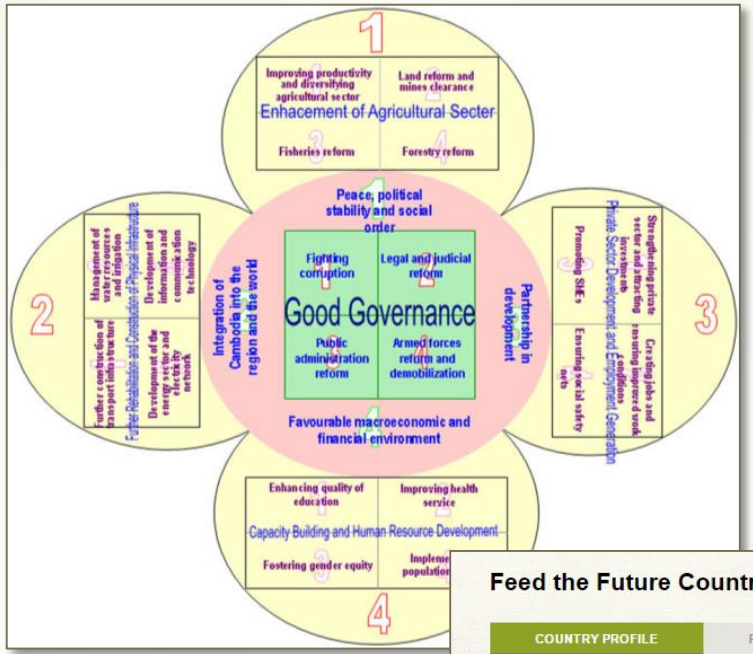
Royal Government of Cambodia (2004), *Rectangular strategy for growth, employment, equity, and efficiency in Cambodia.*

The case of Cambodia

USAID Missions express interest in AET

Engage InnovATE through

Pre-scoping dialogue



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The case of Cambodia

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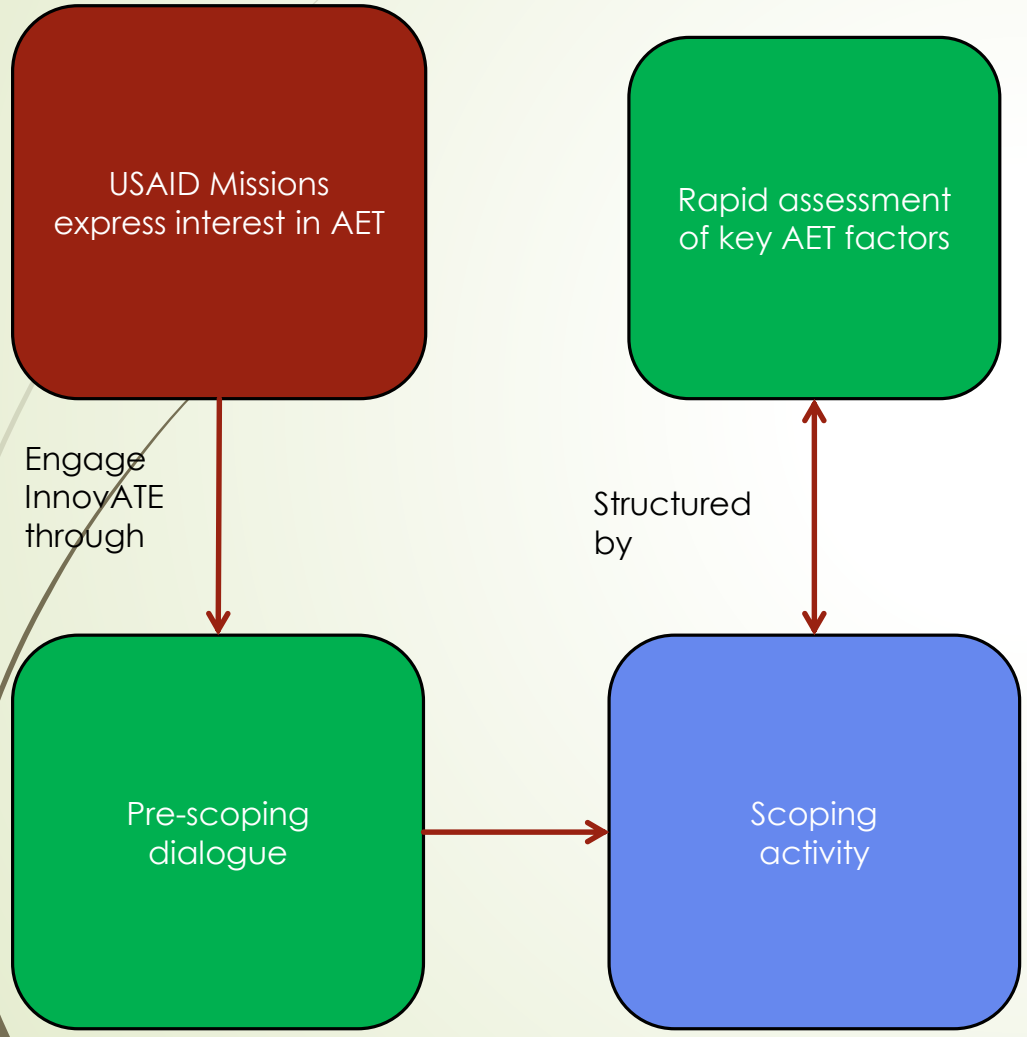
- Feed the Future focus on three value chains: rice, horticulture and fish

Research and trial fields at Royal University of Agriculture (Phnom Penh)

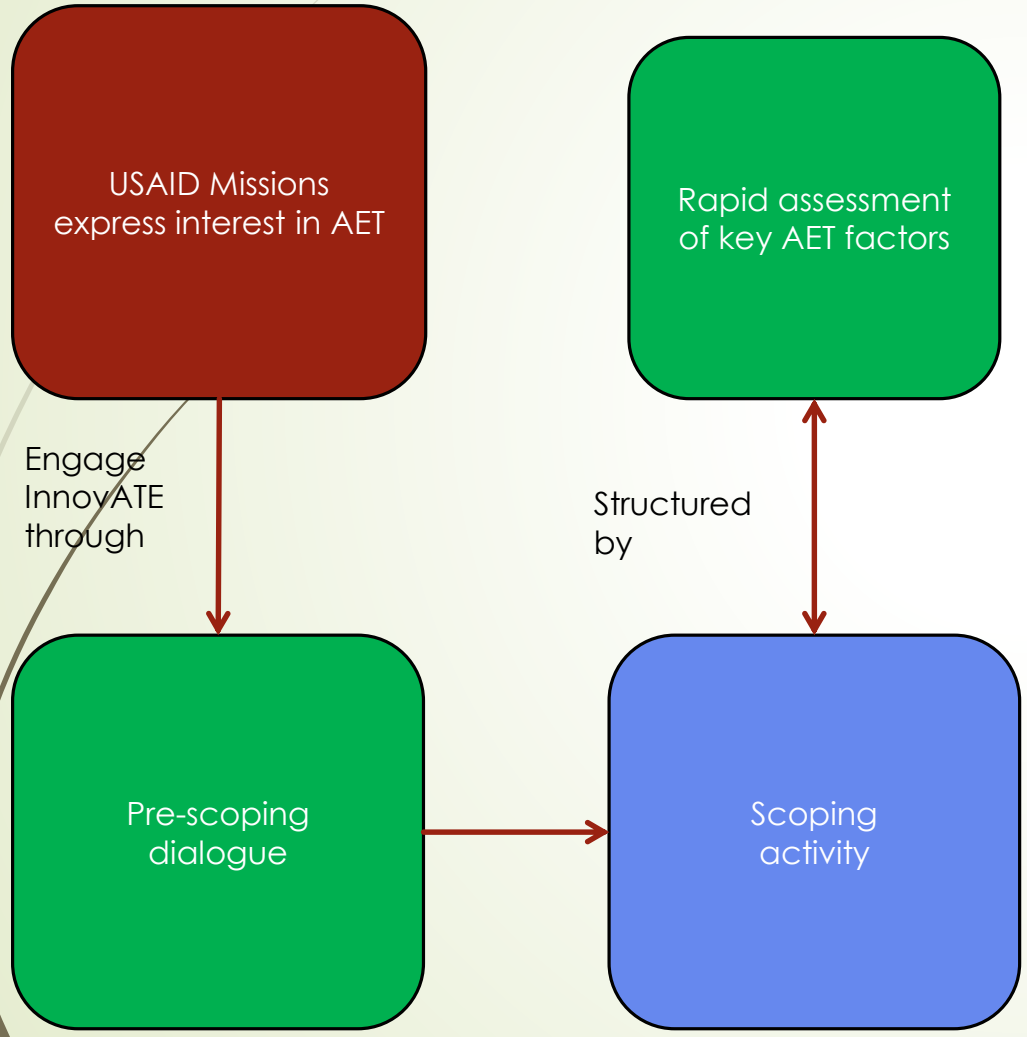
Outdoor greenhouse at University of Battambang Campus

The case of Cambodia



- Two stages:
  - Pre-scoping visit June 2013
    - Generated initial assessment of and connections to key AET actors

The case of Cambodia



Stakeholders in Cambodian AET system

Private sector
Cambodia Biologicals Co., Ltd.
Emerging Markets Consulting
East-West Seeds
Non-governmental organizations
Aphivat Strey
Centre d'Etude et de Développement Agricole Cambodgien (CEDAC)
Environmental Protection and Development Organization (EPDO)
Farmer Livelihood Development (FLD)
GERES Cambodia
IDE Cambodia
JVC Cambodia
Lom Orng Vocational Training Centres
Prom Vihear Thor Organization
Skill, Knowledge, and Information for Life (SKIL)
Srer Khmer
Village Support Group (VSG)
Wathnakpheap Organization (WP)
Educational institutions
Royal University of Agriculture (RUA)
University of Battambang (UBB)
Prek Leap National School of Agriculture (PNSA)
Institute of Technology Cambodia (ITC)
Build Bright University (BBU)
Research institutes
Cambodian Agricultural Research and Development Institute (CARDI)
Inland Fisheries Research and Development Institute (IFReDI)

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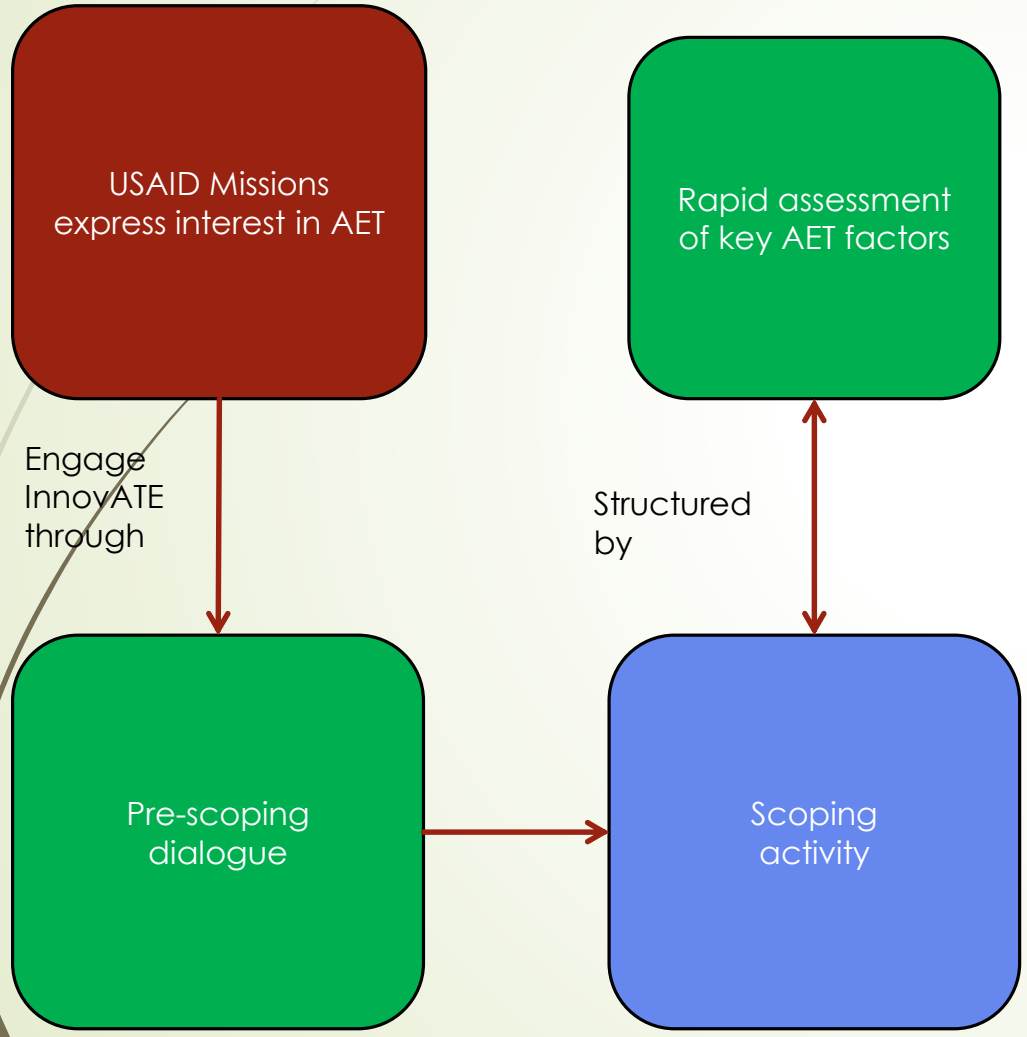

- Two stages:
  - Pre-scoping visit June 2013
    - Generated initial assessment of and connections to key AET actors
  - Full scoping visit in January 2014
    - Generated a SWOT analysis of the AET system and recommendations for investment

The case of Cambodia

Strengths	Weaknesses
Opportunities	**Threats**

The case of Cambodia

Strengths	Weaknesses
• **Leadership and interest in building AET capacity** • **Government, administrators, faculty, students** • High rates of post-secondary enrollment and employment in agriculture	
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The case of Cambodia

Strengths	Weaknesses

• **Leadership and interest in building AET capacity**
  • **Government, administrators, faculty, students**
• High rates of post-secondary enrollment and employment in agriculture
	• **Inadequate or inappropriate AET curricula**
	  • **Skills gaps across value chain**
	• Insufficient AET infrastructure
	• Lack of diversification of levels and types of AET offerings

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The case of Cambodia

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Opportunities	**Threats**

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  • **Political, demographic and technological trends**
• Existing curricula can include AET
  • Life skills courses, short-course training
• Existing inter-institutional connections	

The case of Cambodia

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• **Strong growth potential for agriculture**
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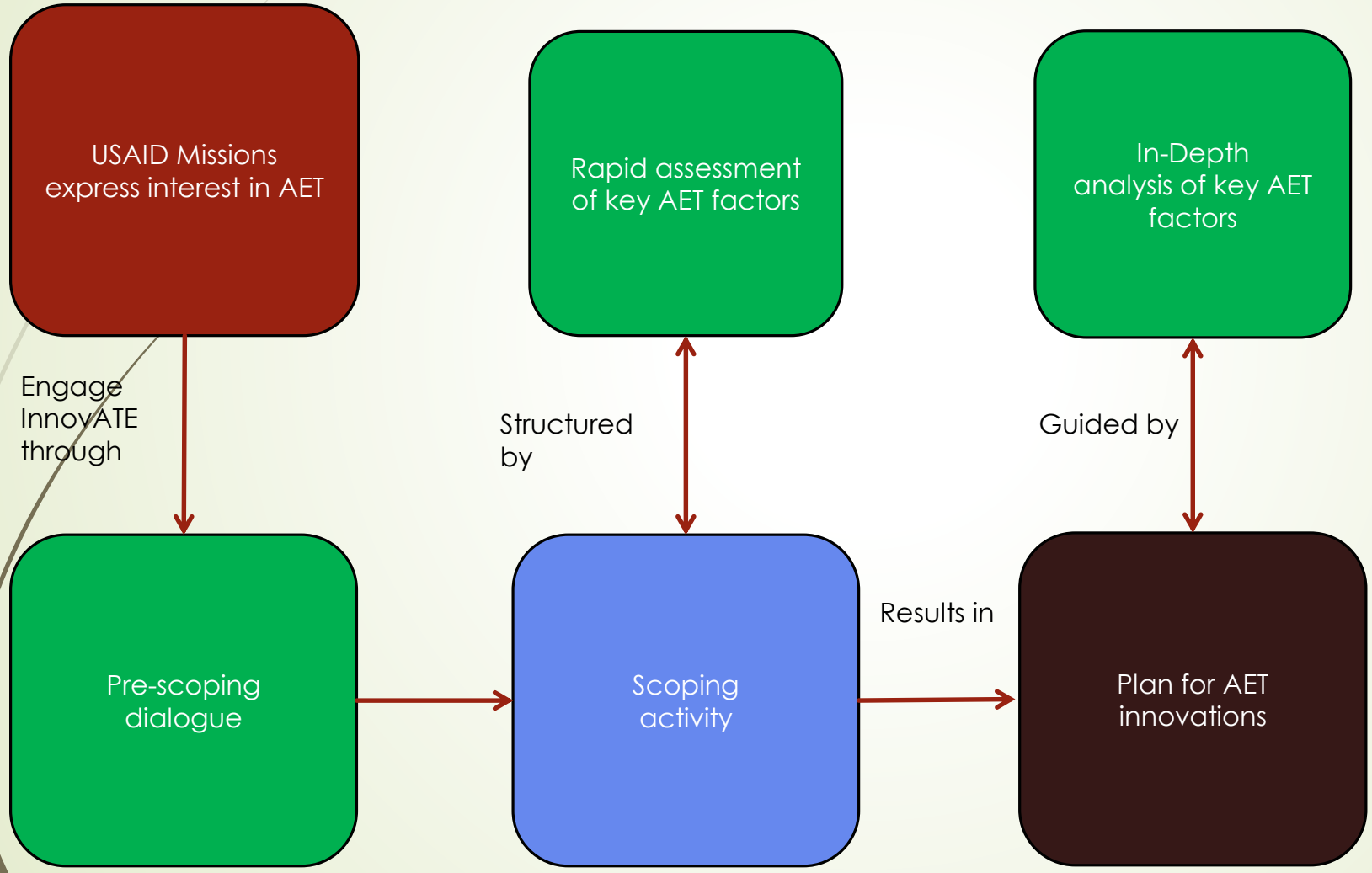
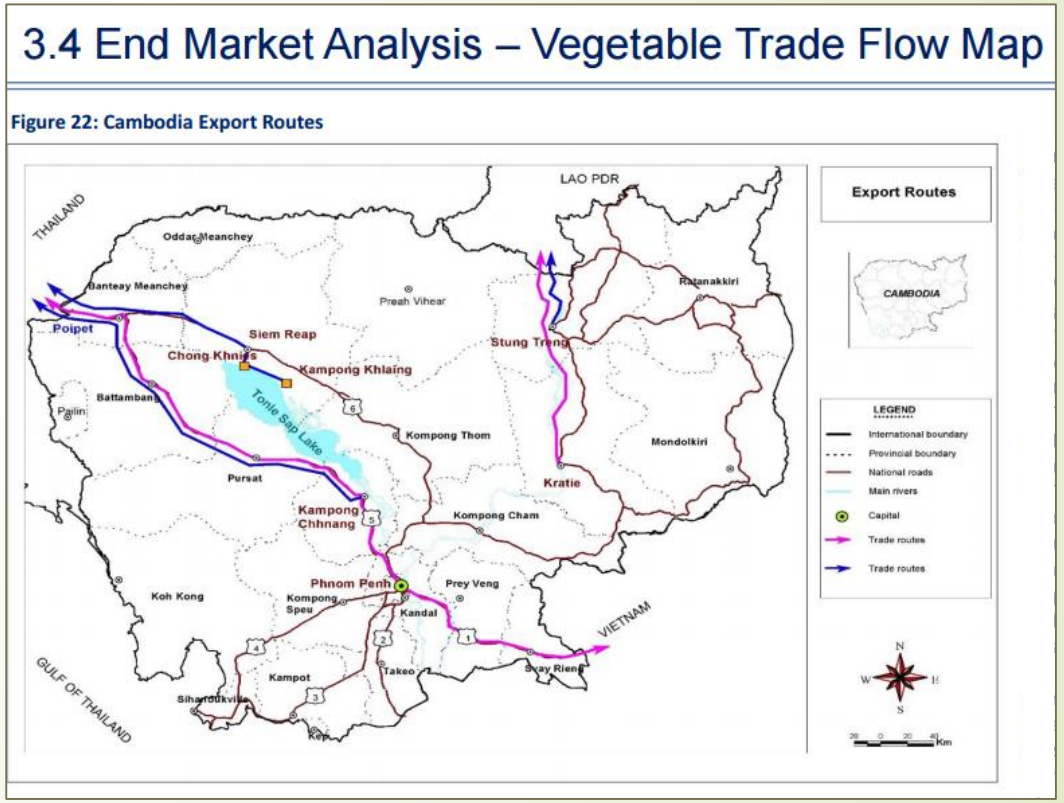
• Existing curricula can include AET
  • Life skills courses, short-course training
• Existing inter-institutional connections
	• **Variability in support for AET**
	  • **Government, donors**
	• Lack of interest in AET
	  • Youth, employers

The case of Cambodia



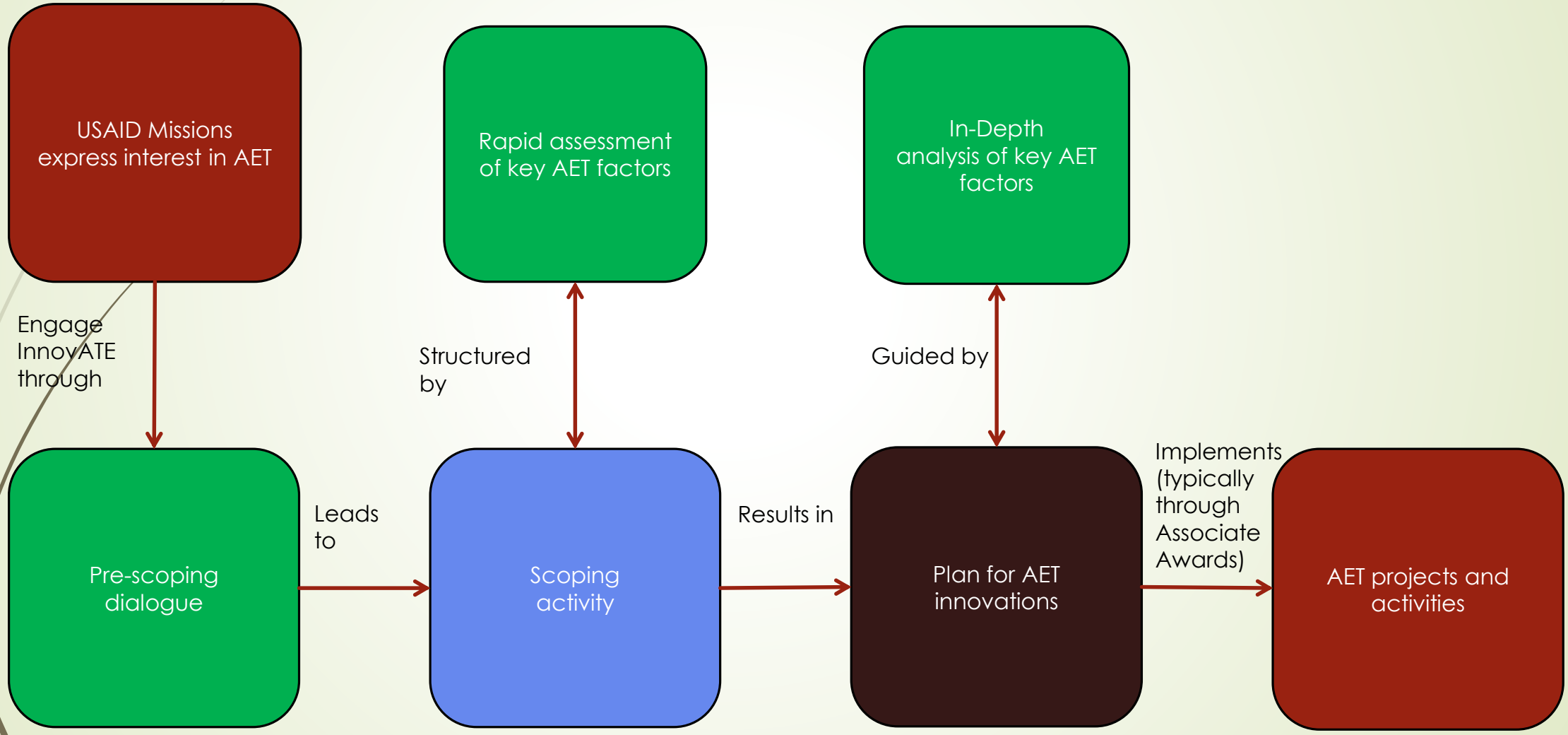
The case of Cambodia

- CHALLENGE: Support appropriate human and institutional capacity development in Cambodian context
  - Address skills gaps, support innovative institutional arrangements
- OPPORTUNITY: Focus on commercial horticulture value chains
  - Domestic and regional market opportunities
  - Leverage institutional relationships to support workforce development along the value chain



From ACDI/VOCA (2015) *Analysis of Three Commodity Value Chains in Cambodia*

The case of Cambodia



The case of Cambodia

- PROPOSAL: Commercial Horticulture Center of Excellence
  - Housed at Royal University of Agriculture
    - Puts research, education and extension under one roof
  - Builds human capacity by using workforce development framework
  - Builds institutional capacity by using innovative research, teaching and extension methods
    - In situ field trials, information technology
    - Modular and short courses
    - Train-the-trainer, building linkages across value chain

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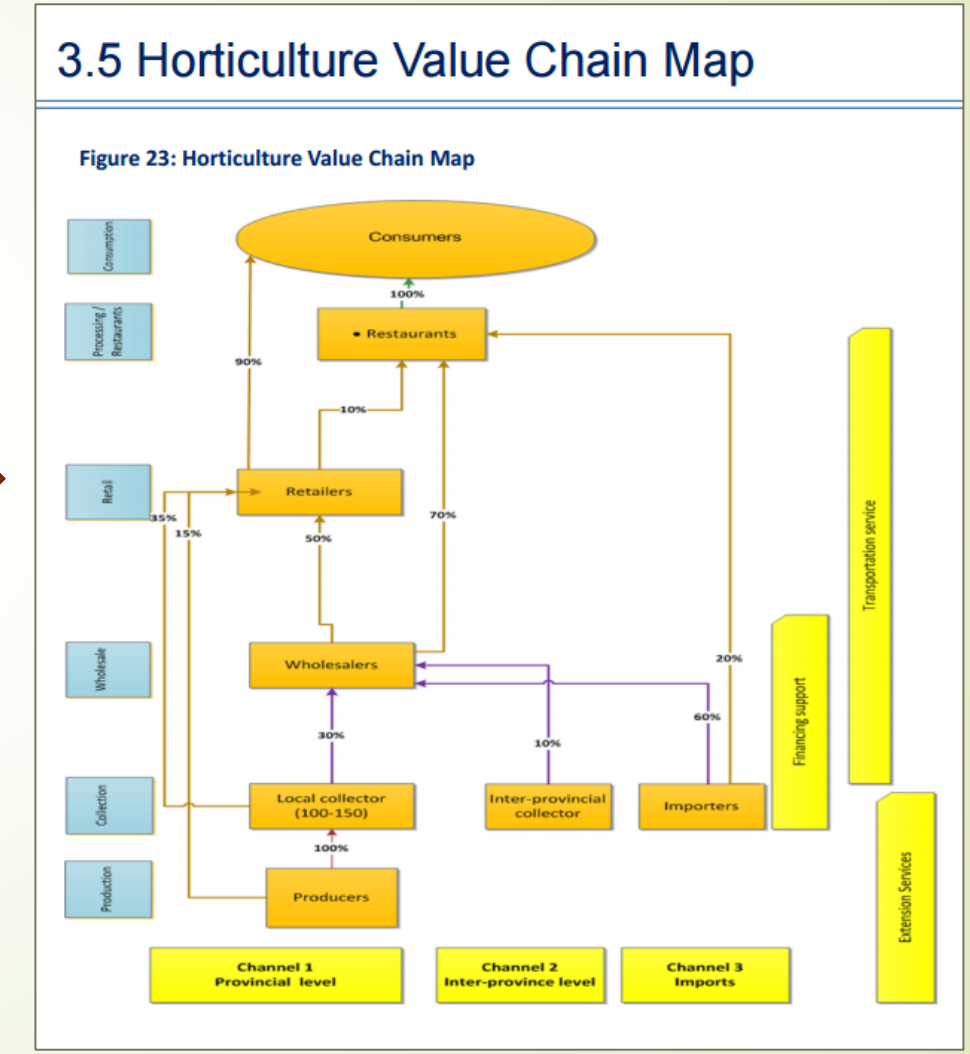

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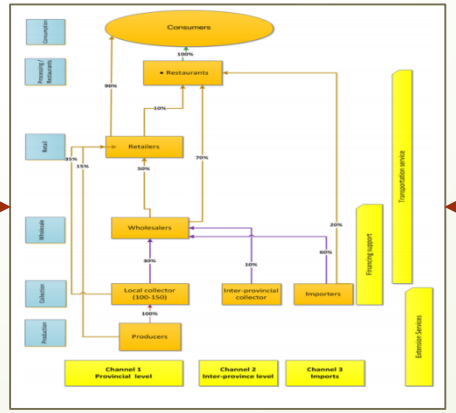
Regional scaling-up

Tajikistan

Nepal



Center of Excellence
Cambodia

How can you connect to innovATE?

AET Community of Practice

www.innovate-community.oired.vt.edu

- Online network of agricultural development professionals
- Collaborative discussion spaces for AET and agriculture
- Gender increasingly addressed
- Global training events database
- French and Spanish discussion pages
- Discussion space for extension?

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Innovation for Agricultural Training and Education

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