



# 7<sup>th</sup> EAPVP FORUM

**August 06<sup>th</sup>-08<sup>th</sup>, 2014**

**Vientiane, Lao P.D.R**

**Mr. Sao Chesda**

Deputy Director

Department of Horticulture and subsidiary crop

General Directorate of Agriculture

Ministry of Agriculture, Forestry and Fisheries, Cambodia

[saochesda@ymail.com](mailto:saochesda@ymail.com)

**Mr. Phe Chantravuth**

Deputy Director of DIP in charge of PVP Office

Ministry of Industry and Handicraft.

Tel: 855 12 841 882 E-mail: [phechantravuth@yahoo.com](mailto:phechantravuth@yahoo.com)



# CONTENTS

- Introduction
- Achievement of PVP
- Constraints for implement of the PVP System
- Future plan
- Conclusions



# Introduction

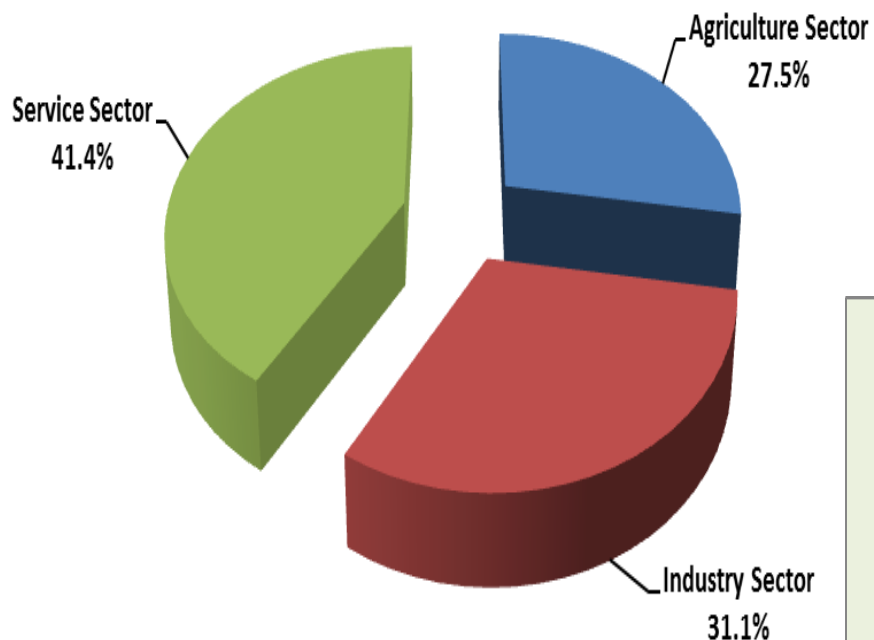


- 24 provinces
- 193 districts
- 1,621 communes
- 14,073 villages
- Total population about 15 million

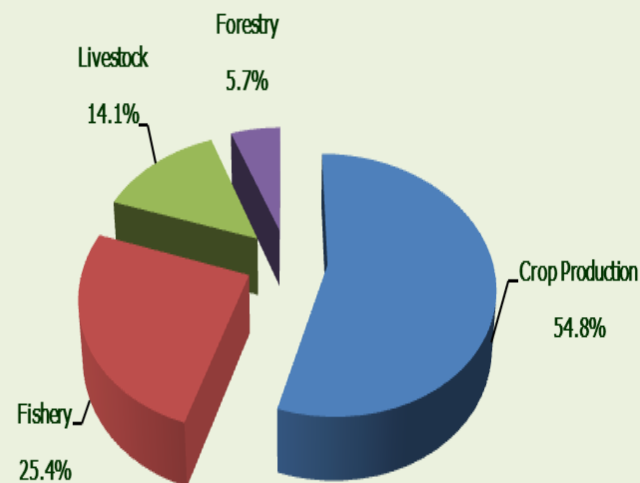


# Agriculture GDP shared by section (2012)

Share (%) of Agriculture Sector in GDP 2012

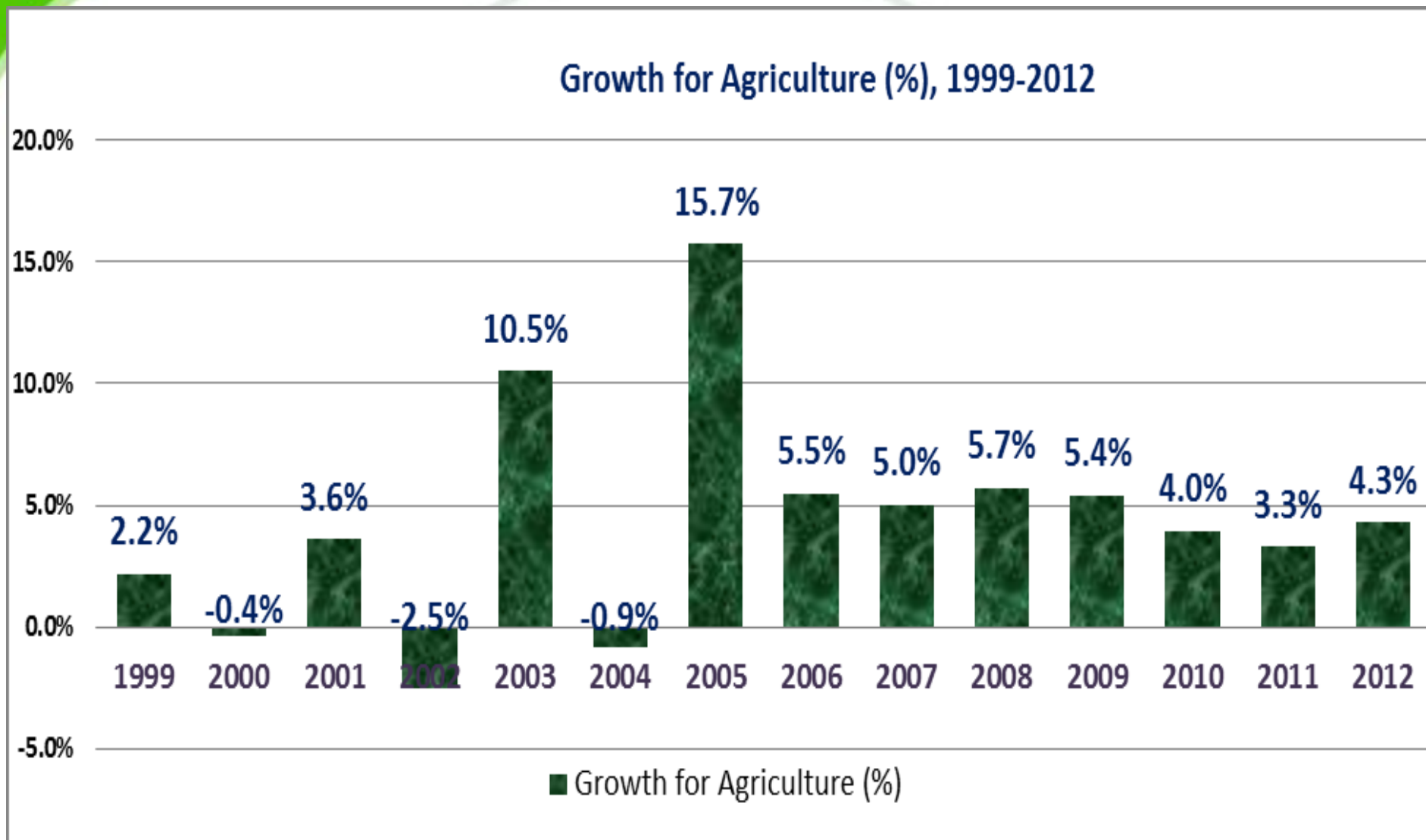


Composition of Sub-Sector in Agriculture, 2012





# Growth Rate (%) for Agriculture Sector





# Characteristics for evaluation of released rice varieties (19)

- Maturity (date of flowering)
- Plant height (cm)
- Productive tillers
- Grain per panicle
- Panicle length (cm)
- Grain length (mm)
- Grain width (mm)
- L:W ratio
- Brown rice shape
- 100 Grain weight (g)
- Milling recovery (%)
- Head rice recovery (%)
- Chalkiness score
- Amylose content (%)
- Gel consistency (mm)
- Gelatinization temperature
- Raw rice appearance
- Raw rice acceptability
- Cooked rice acceptability



# Rice varieties : 38

- 9 early maturing, insensitive to photoperiod, irrigated & rainfed
- 16 intermediate maturing, rainfed lowland
- 8 Late maturing, rainfed lowland
- 2 Rainfed upland
- 3 Deepwater





# Main Vegetables Varieties

Crop	Variety Evaluated
Tomato	05
Chili	07
Egg plant	06
Bitter gourd	04
Angled luffa	10
Yard-long-bean	06
Wax gourd	05
Mustard green	02
Water convolvulus	04



# Mungbean Varieties 4

1. CARDI Chey
2. CMB 01
3. CMB 02
4. CMB 03





## Tomato Varieties: 5

1. Neang Pich
2. Neang Tam
3. TMK 1
4. TMK 2
5. TMK 3



## Water Melon Var: 2

1. Reachny
2. Chan Amreth





## **OPV Maize Varieties: 2**

- 1. Sar Chey**
- 2. Leung Mongkul**

## **Mango Varieties: 2**

- 1. Keo Tep**
- 2. Keo Reach**





# Achievement of PVP

## Cooperation activities under EAPVP Forum

- PVP System Awareness Raising Workshop on PVP under UPOV convention in Phnom Penh from December 12 to 13, 2013 and 55 participants attended.



សិក្ខាសាលាស្តីពី  
Workshop on  
ការការពារពូជដំណាំក្រោមអនុសញ្ញា UPOV  
“Plant Variety Protection under the UPOV Convention”  
ភ្នំពេញ, 12 ធ្នូ 2011  
Organized by Directorate of Agriculture, Forestry and Fisheries  
MAFF, Japan and others

រដ្ឋមន្ត្រីក្រសួងកសិកម្ម រុក្ខាប្រមាញ់ និងនេសាទ  
នាយកដ្ឋានកសិកម្ម រុក្ខាប្រមាញ់ និងនេសាទ  
នាយកដ្ឋានកសិកម្ម រុក្ខាប្រមាញ់ និងនេសាទ

Mr. Kim Yuth

Mr. Phi Chanthorn

Mr. Phi Chanthorn

Mr. Phi Chanthorn







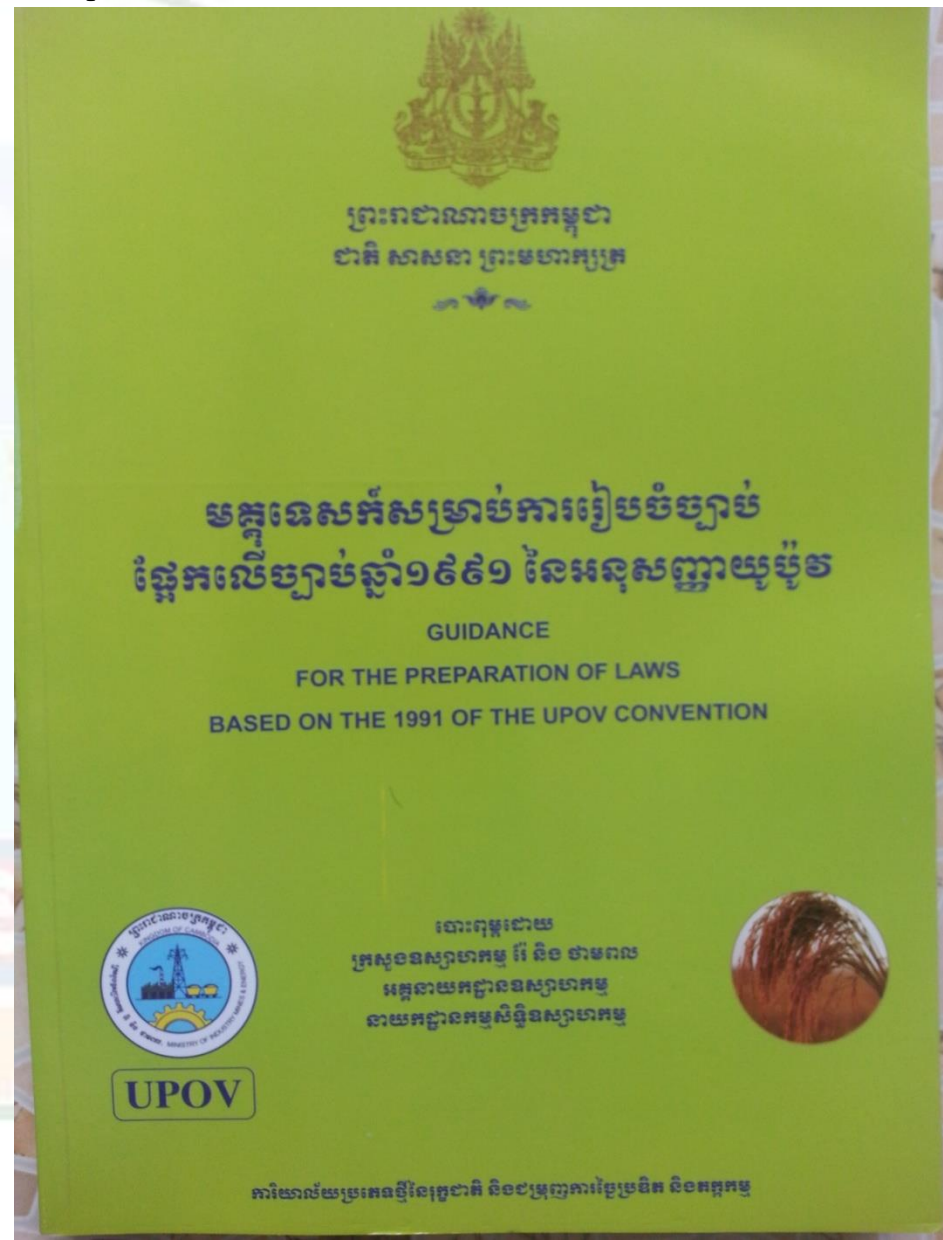


# Achievement of PVP (Cont.)

- Translated UPOV Convention and Guidelines on UPOV Convention as a basis for raising and understanding among national concerned stakeholders
- English version of the Law on Seed Management and Plant Breeder's Right to be used as an official working paper for further consultation with UPOV (mostly comply with UPOV convention 1991 act).



# Book was publish





# Achievement of PVP (cont)

## - Capacity building

### ➤ Training activities :

In 2013

-DUS testing in South Korea -1 participant.

In 2014

-DUS testing in South Korea-1 participant.

-DUS testing in Japan-1 participant

### ➤ Meeting/Workshop

In 2013/2014

- DUS testing and Mol-Marker in China -2 participants

- Annual session on Council, Adm. & Legal and TC in Switzerland  
two Participants attended..



# Achievement of PVP (Cont.)

- Harmonization of TG's orchid and Administrative procedure for PVP in Vietnam two participants attended







# Achievement of PVP (Cont.)

- Administrative issue under DIP-MIME
- Technical issue under GDA-MAFF
- Infrastructure Chart
- Making some regulations under law by MIH and MAFF



# Some constraints for implement of PVP

- Development of national TG and based on TG of UPOV and it is difficultly understand (English version).
- Lack of human resource involved the making the subsidiary regulations under law, knowledge of characteristic evaluation or observation (Botanical and morphological specialist) and understanding the PVP among public-private sectors



# Future plan

- Put in place mechanisms and work plan to promote cooperation between ministries in drafting regulations;
- Organize Inter-ministrial and stakeholders consultative and planning workshop for the implementation of PVP;
- Develop national PVP capacity through both in-house and oversea training/workshop/study visit programs; and
- Strengthening regional cooperation with member countries of East Asia PVP Forum and UPOV,



# Future plan (cont.)

- Mobilize resource to conduct trainings/workshops to raise awareness on Law on Seed Management and Plant Breeder's Right at different levels of national concerned stakeholders, esp. national plant breeders;
- Propose the program of dispatching experts for assistance



# Conclusions

- Recently Cambodia tries its efforts to establish the PVP system to promote new breeding varieties as one of the observers states of UPOV;
- Widening the cooperation with EAPVP Forum and UPOV in exchanging information experiences for the development of Plant Breeder's Right System in Cambodia;
- The DUS TG is new for Cambodia, needed capacity building on specific DUS technical training for Cambodian officers.



**Thank you for your attention!**

