

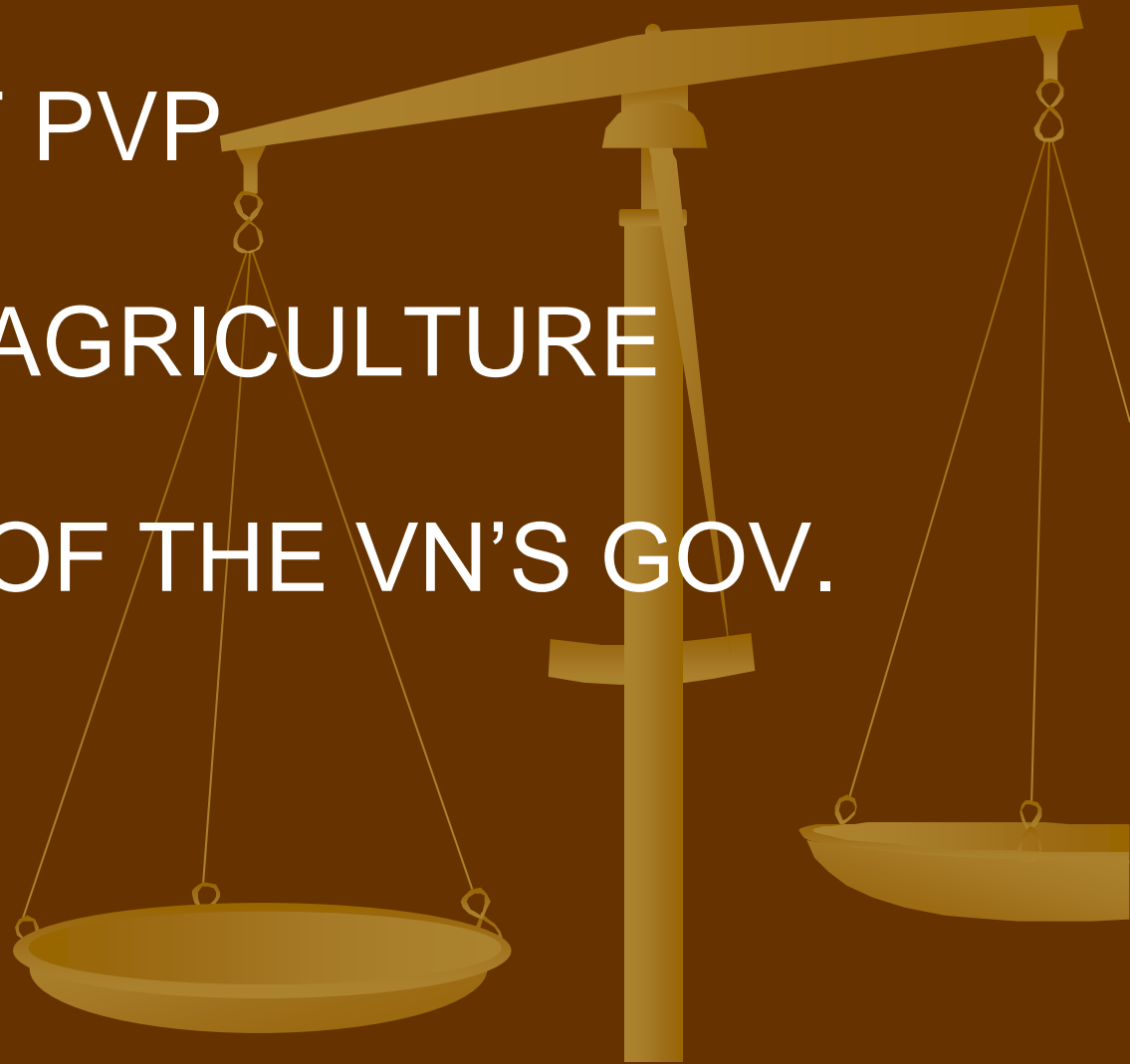
IMPACT OF PVP/UPOV SYSTEM ON VN'S AGRICULTURE



NGUYEN THANH MINH, PVPO, MARD/VIETNAM
PHILLIPINES, August - 2018

OUTLINE OF THE PRESENTATION

- HISTORY OF PVP
- IMPACT ON AGRICULTURE
- NEXT PLAN OF THE VN'S GOV.

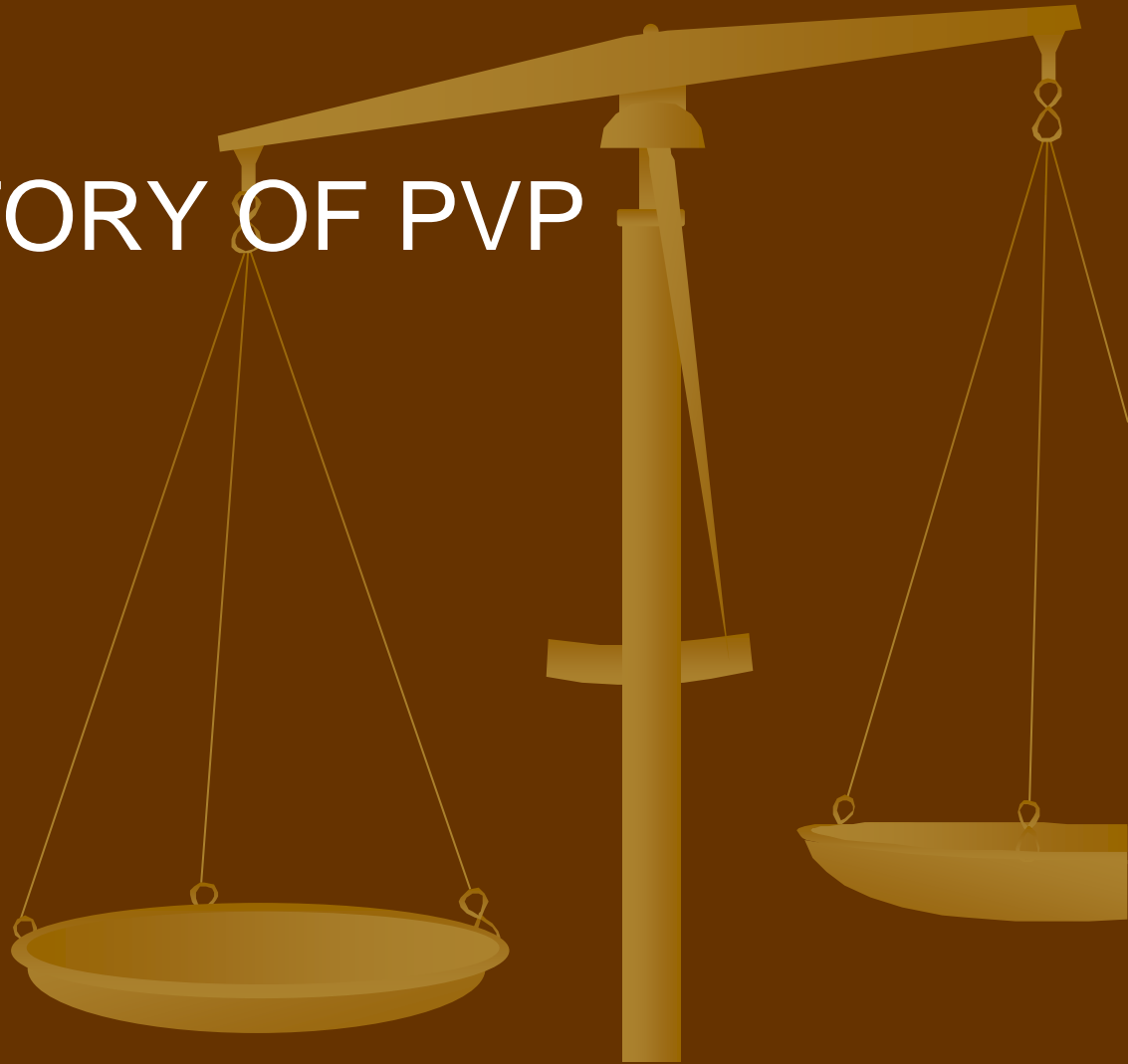


Background

- Agricultural country.
- High density of population
- Improve living standard of the people – The current main purpose of VN's Government
- Seed Sector play an important role for the purpose – big contribution of new plant varieties



HISTORY OF PVP



- ✓ Operating the system under UPOV Convention
- ✓ Exploit the benefits of the system



Implementing PVP System under UPOV Convention

- ✓ Organizations to implement: PVPO/DUS Test Office
- ✓ Drafting Legislation Document (Law, Decree...)

Establishing National PVP system and Preparations to join UPOV

2007-NOW



2000-2006

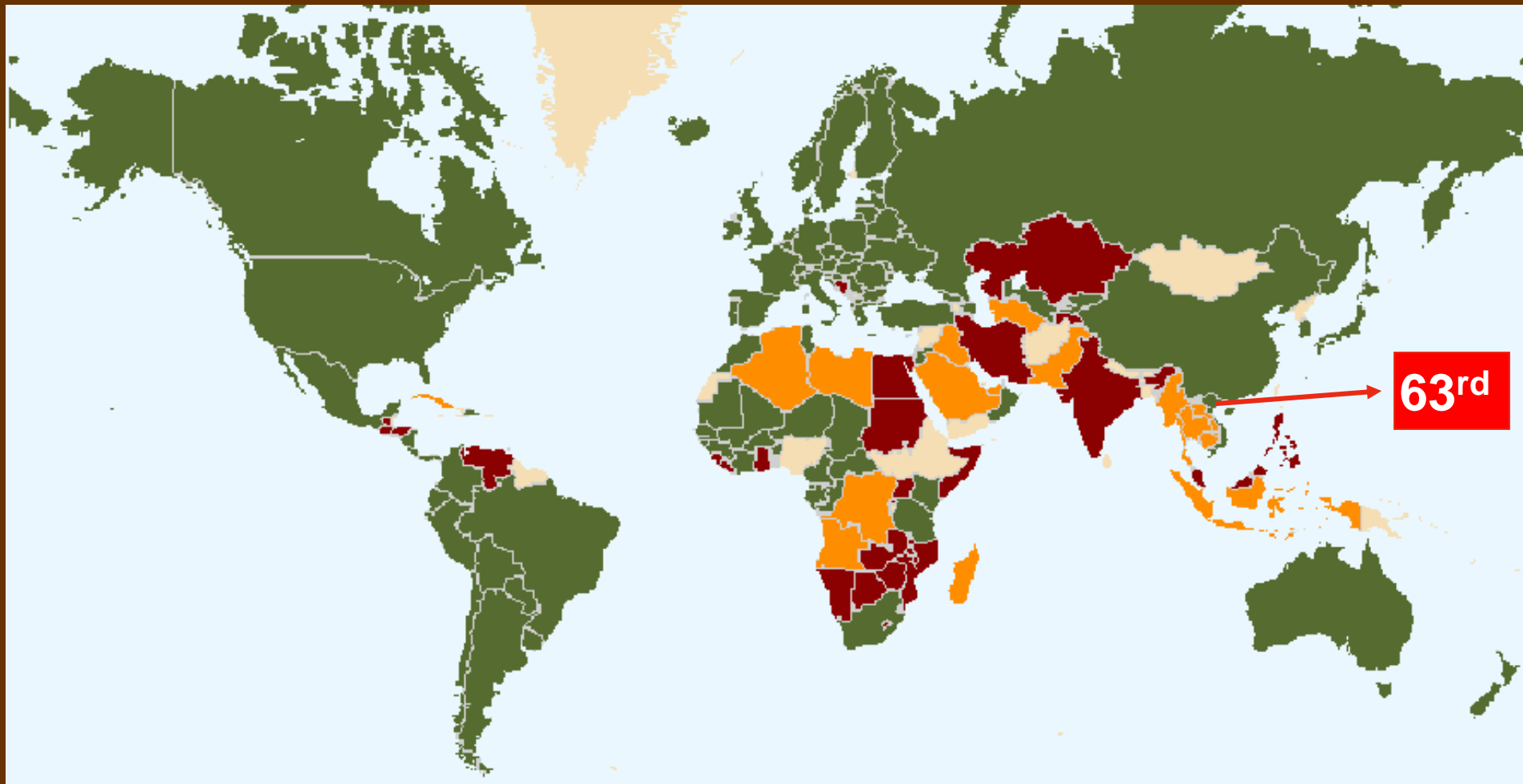
- ✓ Dispatching staffs to Overseas
- ✓ Invite Experts from experienced countries and UPOV
- ✓ Seminars/Workshops on PVP for relevant persons

Study the real conception of PVP

1995-2000



Member of UPOV (24th Dec, 2006)



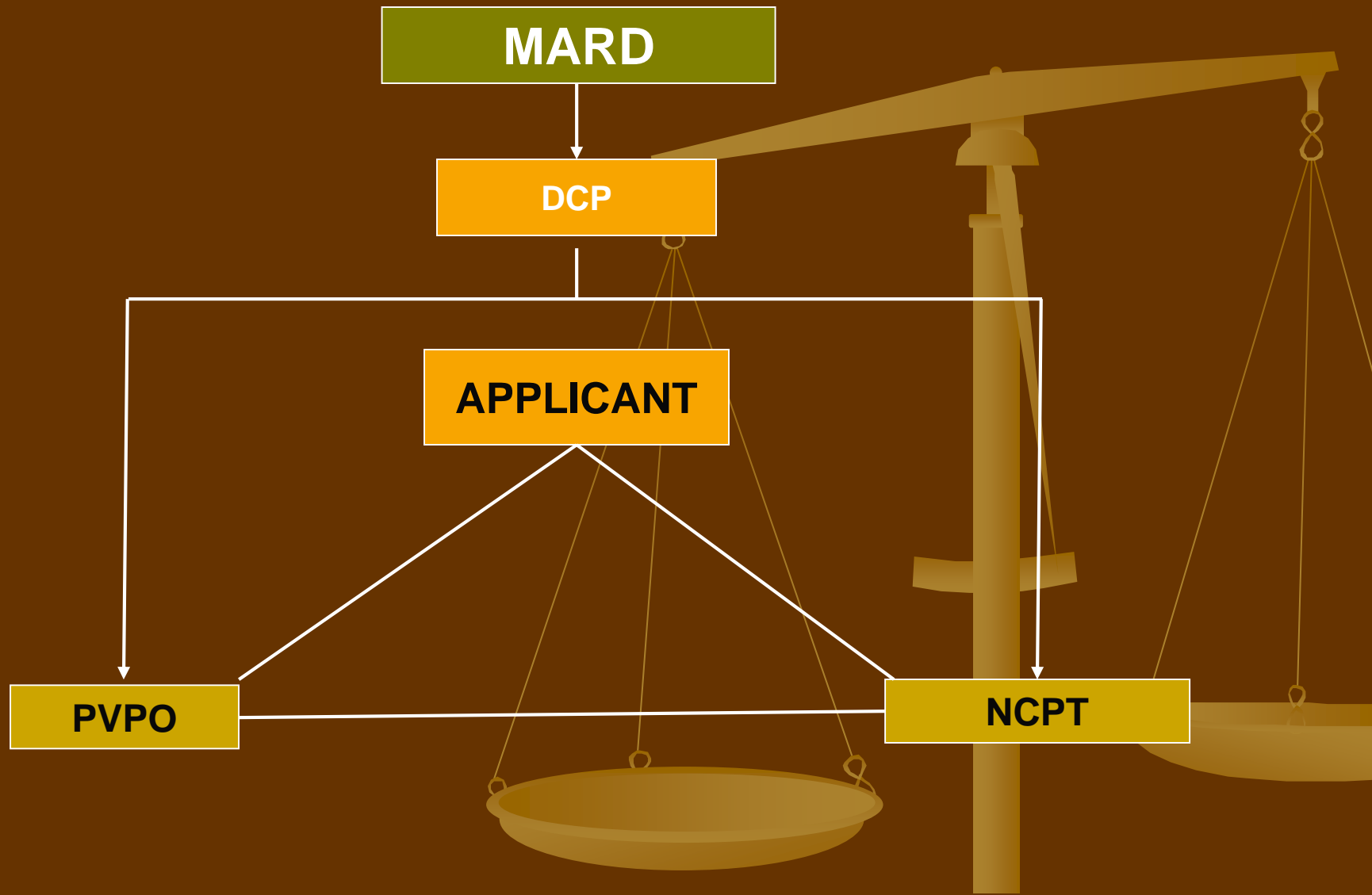
Members of UPOV (74)

Initiating States (15) and Organization (1)

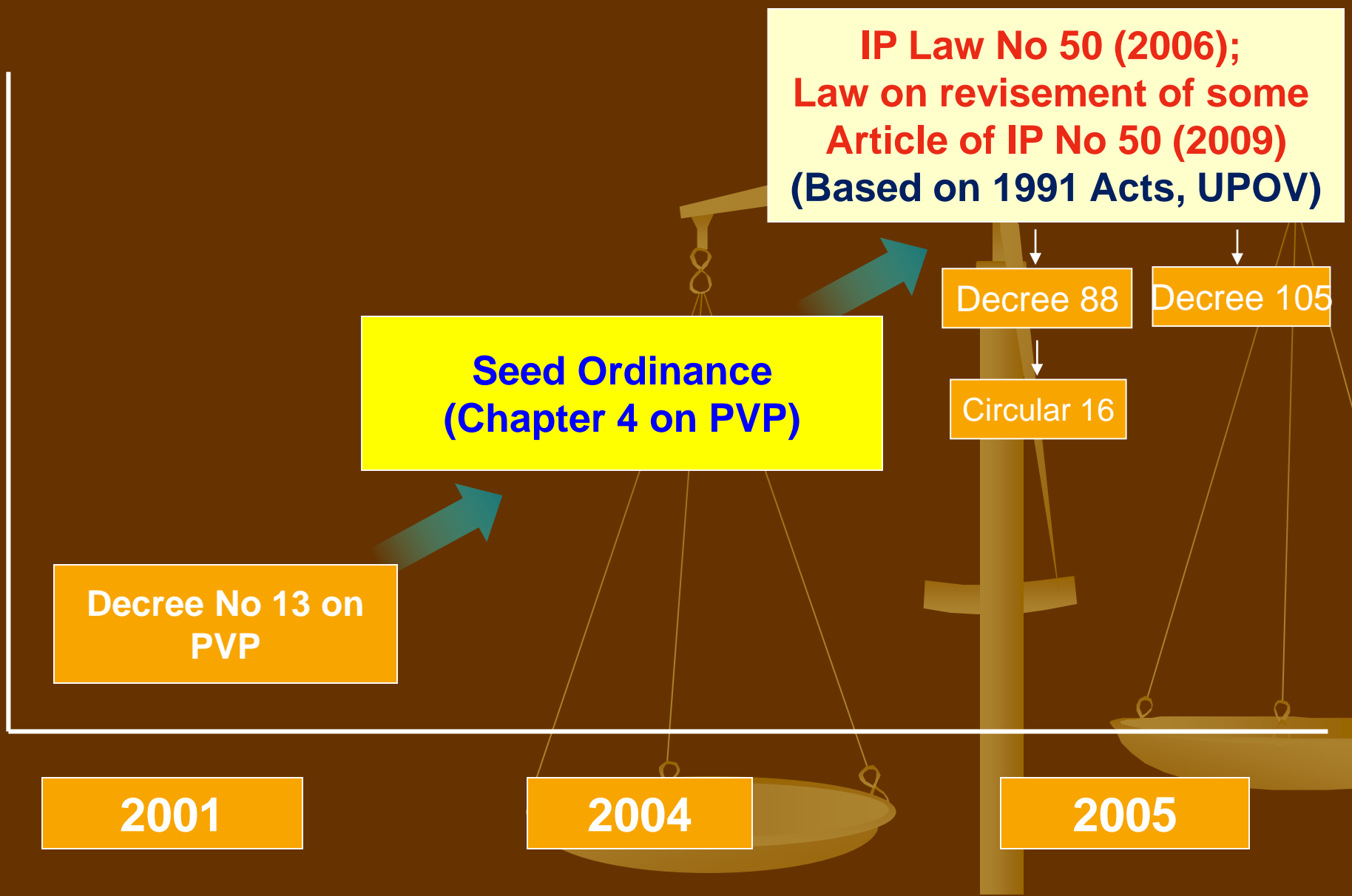
States (23) and Organization (1) in contact with the UPOV Office

The boundaries shown on this map do not imply the expression of any opinion whatsoever on the part of UPOV concerning the legal status of any country or territory.

Organization System



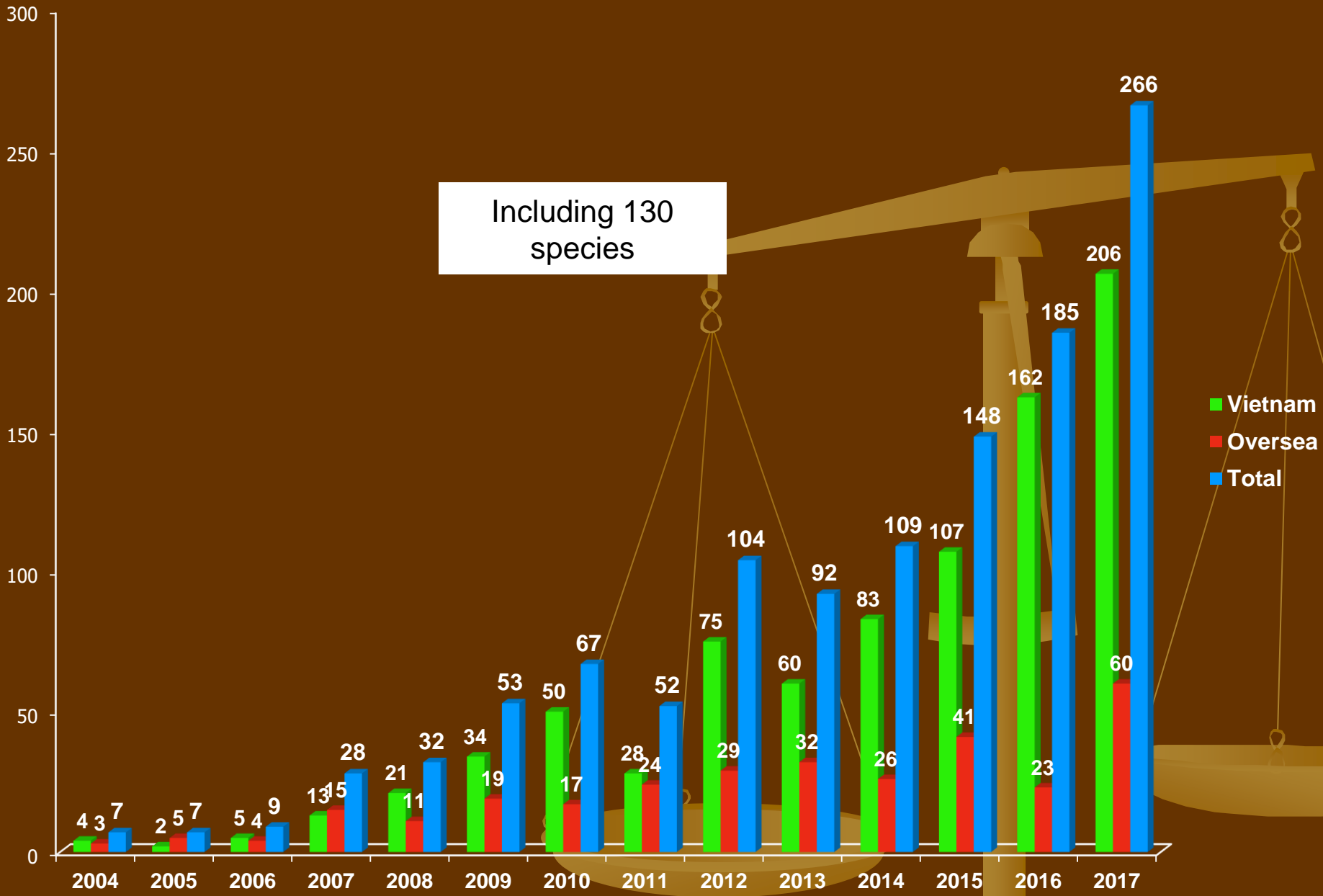
Legislation on PVP



IMPACT ON AGRICULTURE



Applications by years 2004 – 2017



Increasing farmer's income



New rose can be more expensive
than old 10 to 15 times



Specialization in value chain

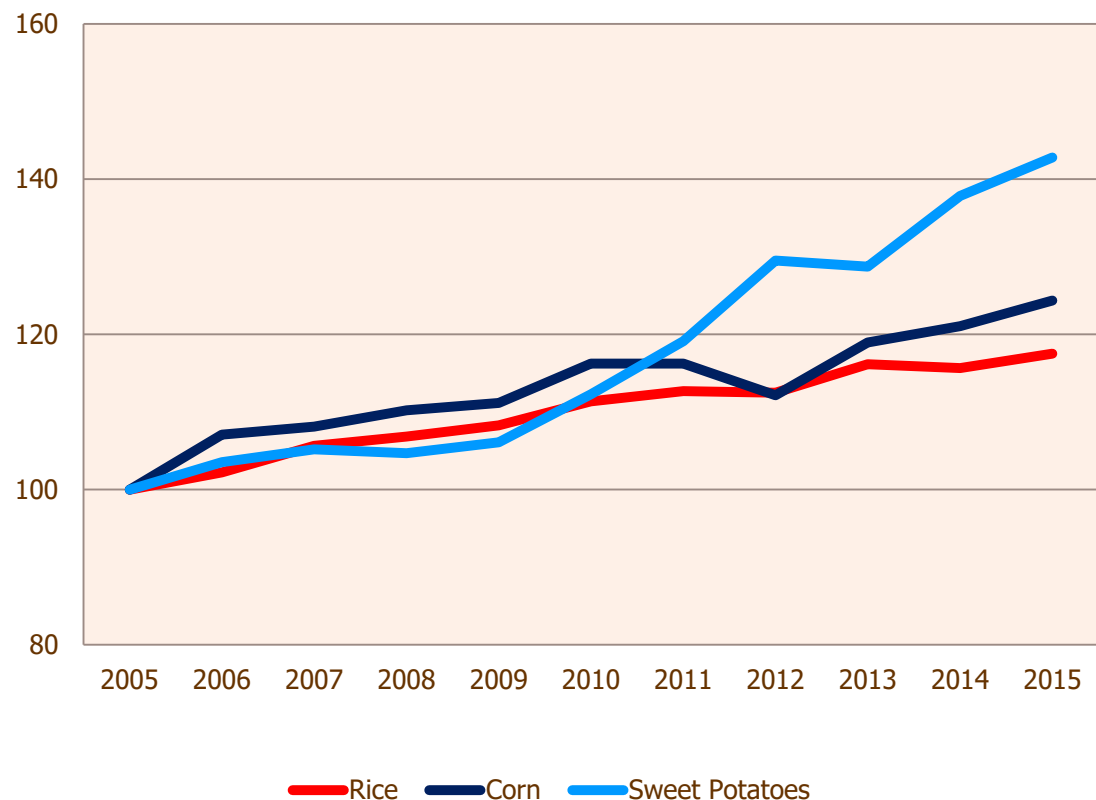


Farmer produce under license from
Owners



Plant breeding in Viet Nam: Yield vs. overall productivity developments

Vietnamese yield developments over time: major arable crops (index, 2005=100%)



→ Per annum since 2005:

- rice: + 1.6 %,
- corn: + 1.8 %,
- sw. potatoes: + 3.6 %.

→ To compare, global yield increases are in the range of:

- rice: + 1.3 %,
- corn: + 1.1 %,
- sw. potatoes: – 0.3 %.

→ Can Viet Nam already be considered an out-performer?

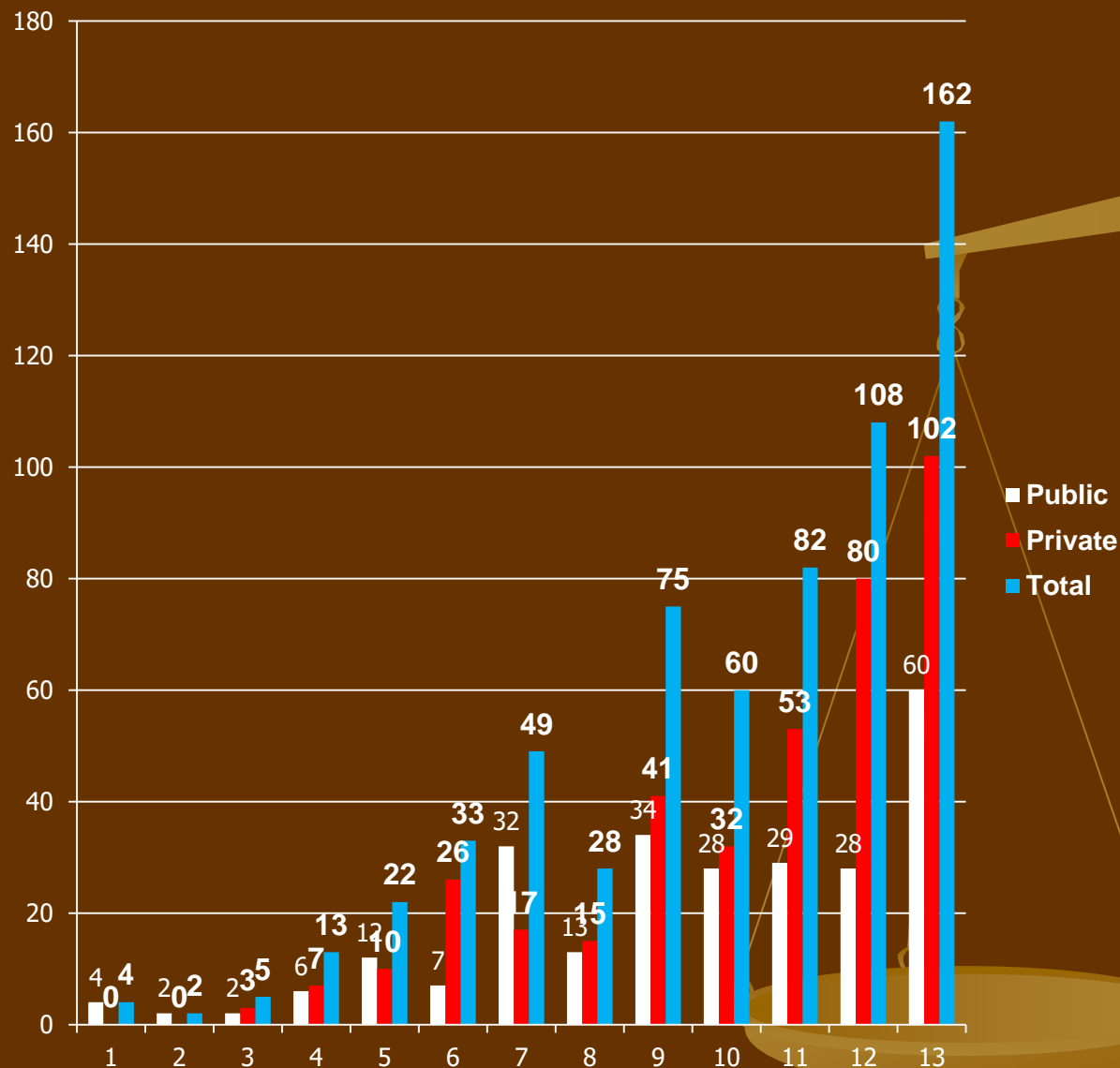
Plant breeding benefits: Supply changes also have monetary implications

The income effects referring to major arable crops are just part of the overall impact.



- Whereas approximately USD 3.5 billion have been added to GDP when looking at rice, corn and sweet potatoes, ...
- ... an additional GDP of at least USD 0.2-0.3 billion has been added by having invested ten years into plant breeding for flowers.
- Indeed, Viet Nam has become one of the fastest growing flower markets.

Vietnam's applications: Private and Public sectors



➤ Public sector (Government Budget):

- ✓ Research Institutes
- ✓ Universities
- ✓ Research Centers
(Central Government
and provincial level)

➤ Private sector:

- ✓ Individual
- ✓ VN's Seed Company

Positive Impact to SMEs

- Before PVP: almost of them are trade company (not interest in RD)
- When PVP system is established:
 - ✓ Beginning: they are licensed to exploit PBR from owner (transferred)
 - ✓ They develop breeding facility
- Now, many of them have own breeding facility and become big with very good breeding facility.



Seed Quality and Service is improved by a new system

BEFORE PVP

Breeders

No Professional
distribution
system

Farmer

Is not
professional,
Difficult on
Seed Quality
control

AFTER PVP

Breeders

License

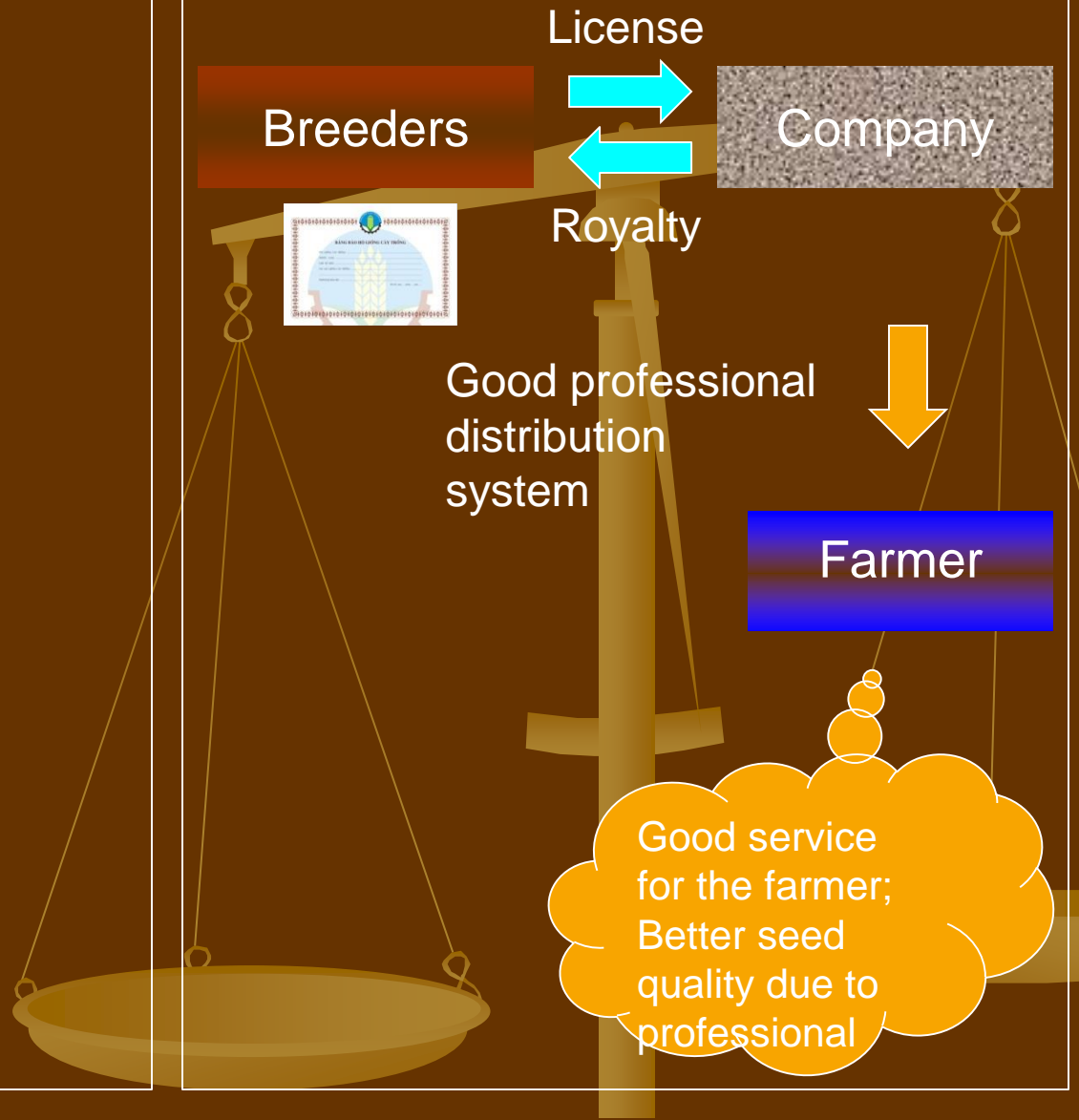
Company

Royalty

Good professional
distribution
system

Farmer

Good service
for the farmer;
Better seed
quality due to
professional



Country	Content	Time
UPOV, USA,EU, Japan, France	Training in abroad, Workshop (VN and oversea)	2000 - 2005
Denmark, Japan, France	Equipment, training, workshop/seminars	2004 – 2008
EAPVP, the Netherlands Australia	Training (Oversea and in- country), equipment, Seminar/workshop	2008- 2011
Japan (JICA), GNIS (France)	Training (Oversea and in- country), equipment, Seminar/workshop	2010 - 2014
UPOV, Japan (EAPVP)	Training (Oversea and In – country), Seminar/Workshop	2014 - ...



Contributing to the success of big policies on agriculture from Government



LAND CONSOLIDATION



RE-ORGANIZED PATTERN CROP



FOOD VALUE CHAIN



SAFE CROP PRODUCTION

Example on Protected/non protected Varieties

(National Seed Company – NSC)

Invest to Breeding (National Seed Company – NSC):

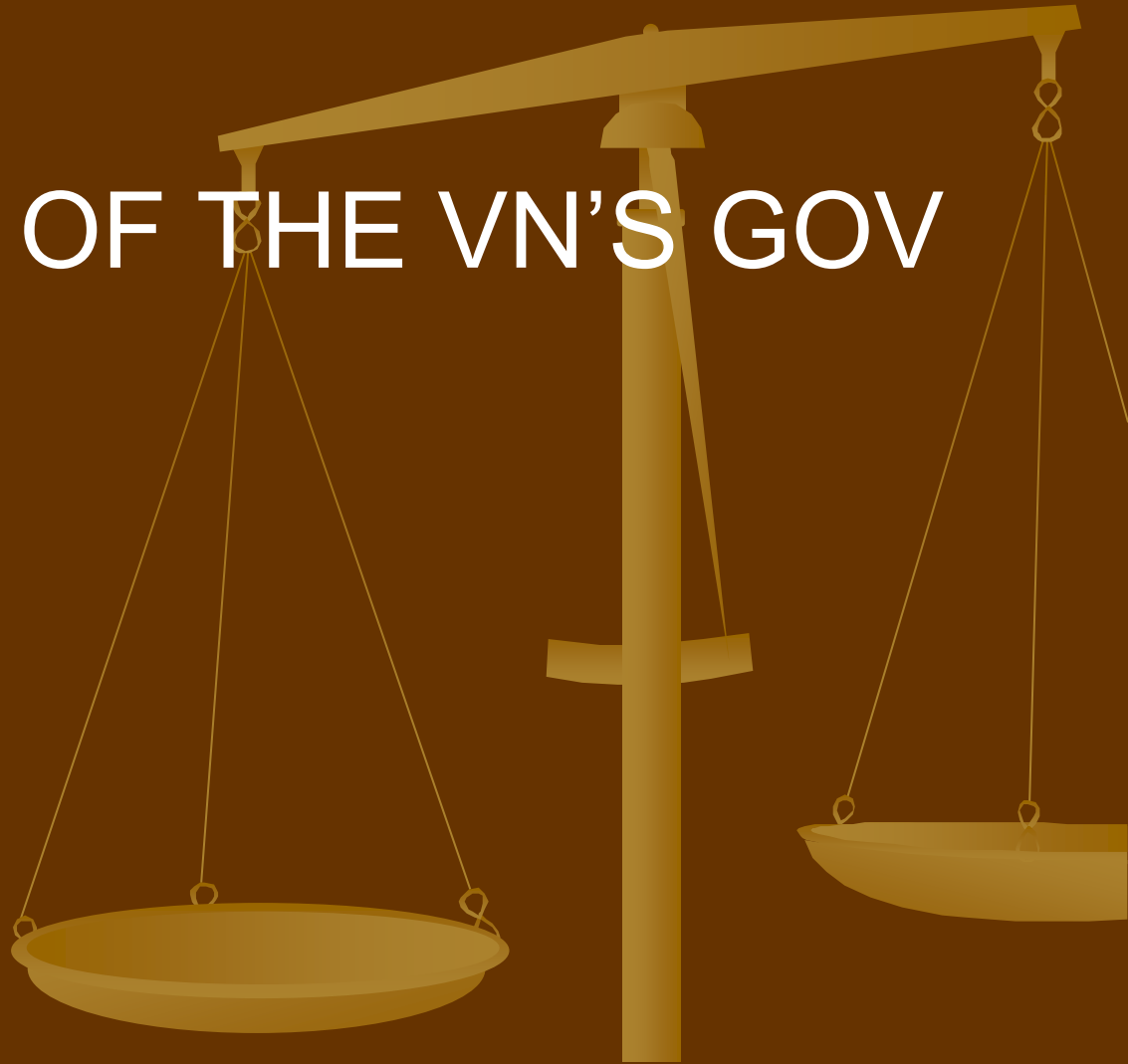
✓ Before 2006: 13,500 USD

✓ After 2006: 10.5 Million USD - 778 times

Items	Protected Varieties	Non protected varieties
Price of Seed (rice, USD/1 kg)	<u>1.42</u>	0.66
Price of commercial grain is sold by farmer (rice,VND/1 kg)	<u>6,500</u>	5,500
Average income in 1 ha for farmer (rice); USD	<u>1872</u>	1265
Benefits from seed of protected varieties	<ul style="list-style-type: none">✓ Better quality✓ Better tolerance for bad climate and diseases, insect✓ Reduce of invest for production	<ul style="list-style-type: none">???

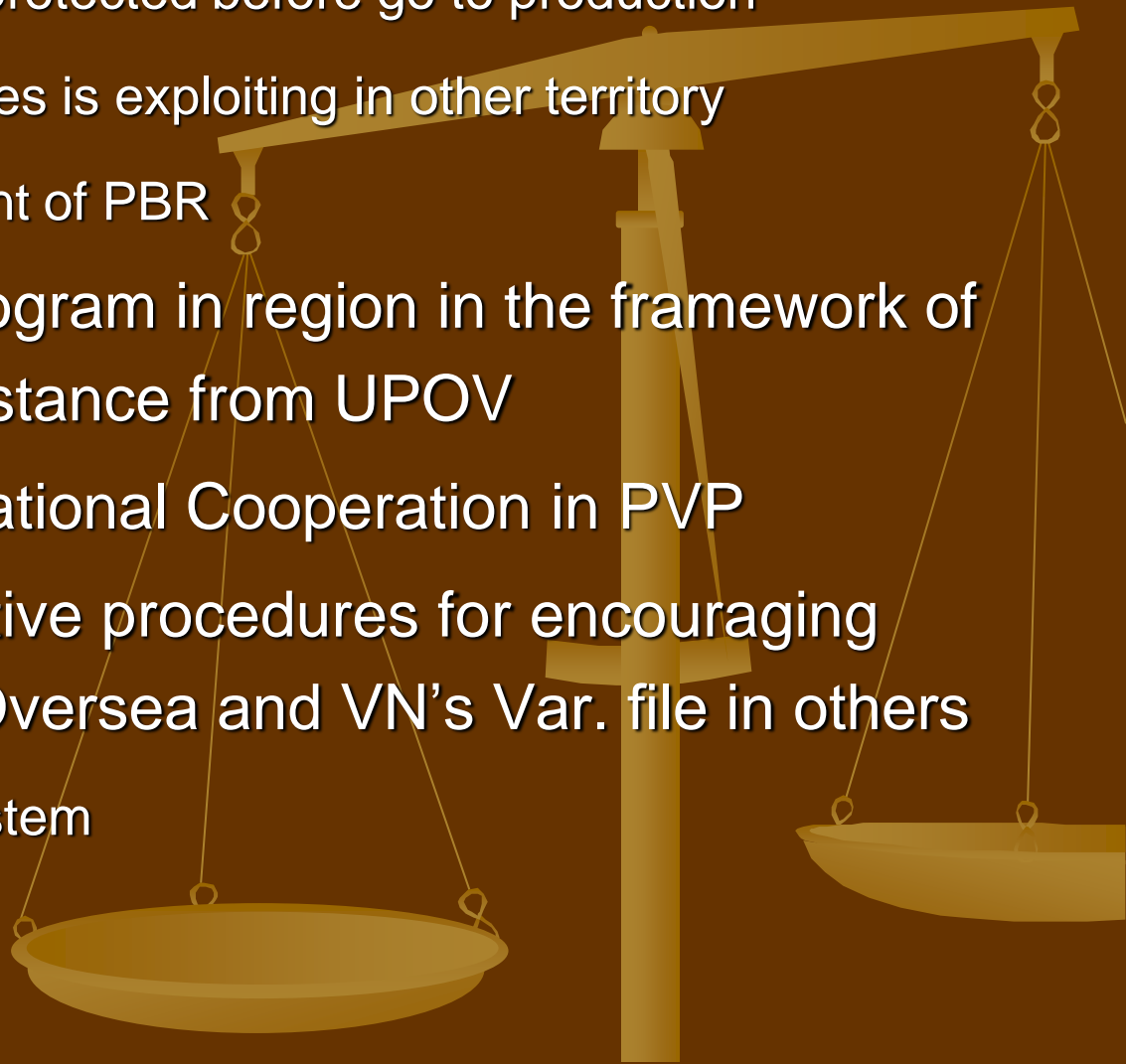
* Source: National Seed Company (report on Jul 2018)

NEXT PLAN OF THE VN'S GOV





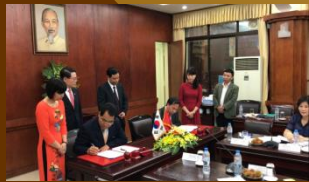


Building Strategy to 2030

- Nation IP strategy: PVP is an important part
 - ✓ All plant varieties be protected before go to production
 - ✓ At least 1 VN's varieties is exploiting in other territory
 - ✓ Improving enforcement of PBR
- Participating Pilot Program in region in the framework of EAPVP with the assistance from UPOV
- Promoting the International Cooperation in PVP
- Reducing administrative procedures for encouraging New Varieties from Oversea and VN's Var. file in others
 - ✓ Online application system
 - ✓ UPOV Prisma



MOU on mutual accepting the DUS Test reports

Country	Signing date	Photos
Japan	August, 2007 April, 2016 (free of charge)	
France	January 2011	
The Netherlands	March, 2011	
EU	May 2011	
Singapore	2016 VN provide DUS Testing service	<ul style="list-style-type: none"> ✓ Negotiation: Email ✓ Signing by each side then exchange through Post mail.
Korea	April, 2017	

To promote of International Cooperation

- Cooperation on examination of application (UPOV and EAPVP Members) – To make more effective system
- Sharing experiences with region countries
- Harmonization on technical and administrative procedures



9th Meeting of EAPVP
(Hanoi 6th September 2016)



Sharing experience with regional countries

- Under the cooperation with UPOV, EAPVP and other Members, implementing some activities:
 - ✓ Seminar on PVP
 - ✓ Training in Vietnam
- Providing the service of conducting DUS Test for some crops to other country.



Thank you for your attention

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