

EXPERIENCES OF UPOV 1991 MEMBERS



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IP Key's Southeast Asia Seminar

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OUTLINE OF THE PRESENTATION

- DEVELOPMENT OF PVP SYSTEM IN VIETNAM
- IMPACT OF UPOV MEMBERSHIP TO SOCIO-ECONOMY
- ORIENTATION OF VN GOVERNMENT



Situation of VN's Seed Sector before UPOV 1991 is introduced

- Rice, maize are mainly production as well as breeding
- Poor new plant varieties. All most of them are imported.
- Breeding and seed production only conduced by public sector (Government budget), few new varieties from overseas.
- Seed Companies has just doing as Traders: No breeding and researching. Few private company



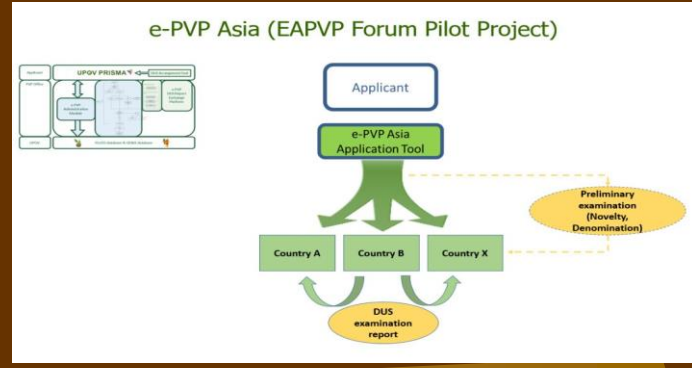
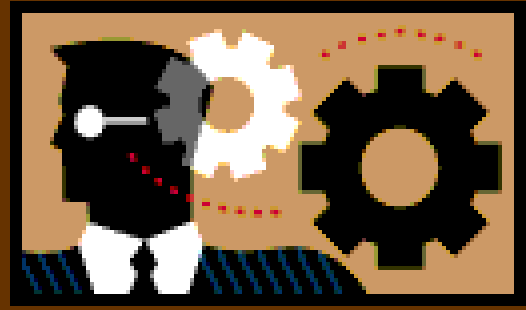
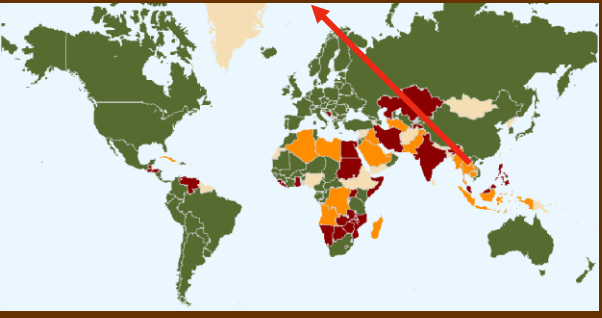
Capital: Hanoi
Area: 332,000 km²



Development of PVP in VN

Member of UPOV
(24th Dec, 2006)

63rd



Implementing PVP System
under UPOV Convention

2007-Now



2018 – Positive joining the Regional cooperation Mechanism under scope of EAPVPF by the technical Assistance of UPOV

Establishing National PVP system and Preparations to join UPOV

2000-2006

With the assistance from UPOV Members:
Strengthening PVPO and DUS Testing agencies
Legal document: Law and Documents to detail the Law

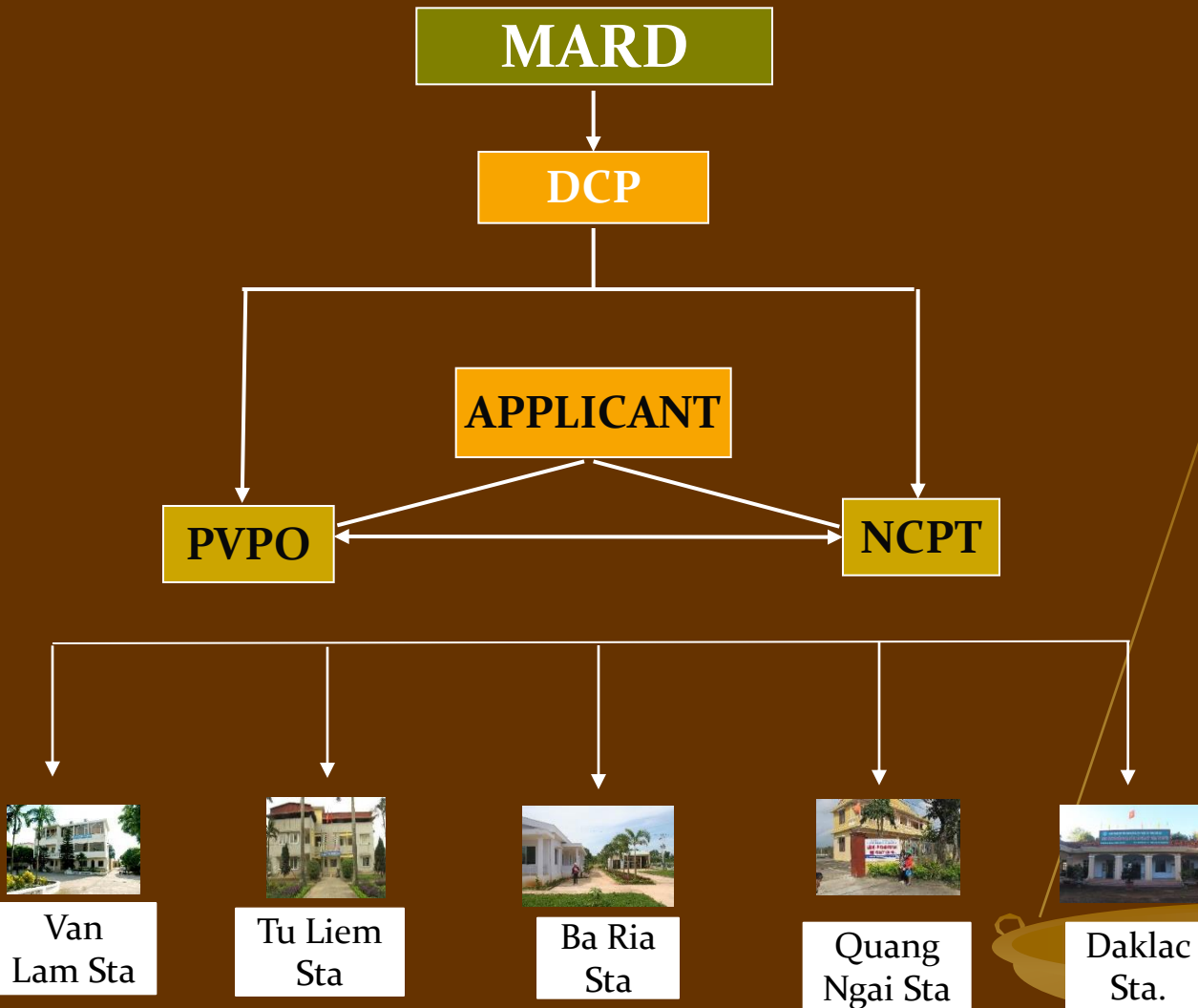
Study the real conception of PVP

1995-2000

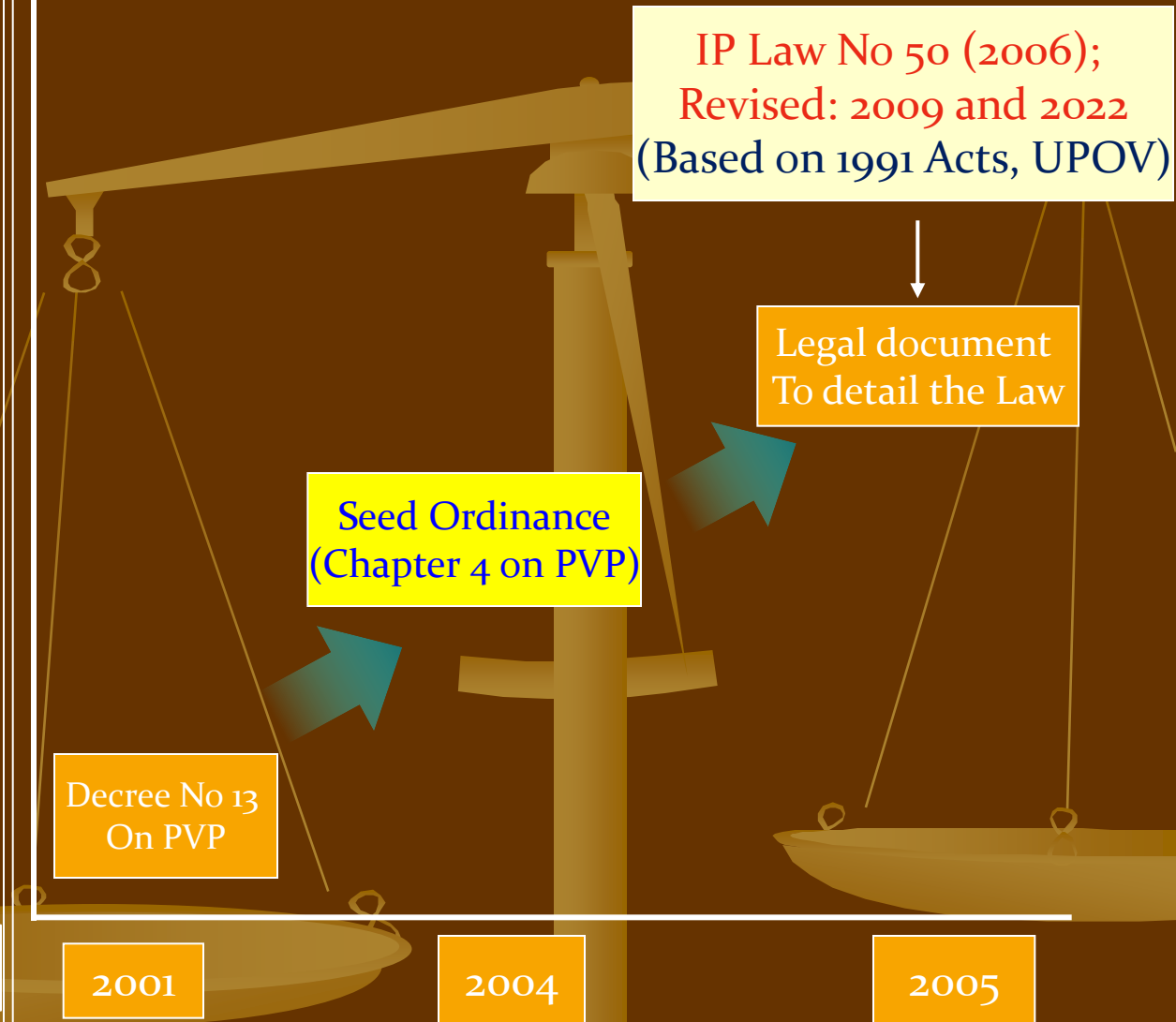


PVP system in Vietnam

IMPLEMENTING ORGANIZATIONS



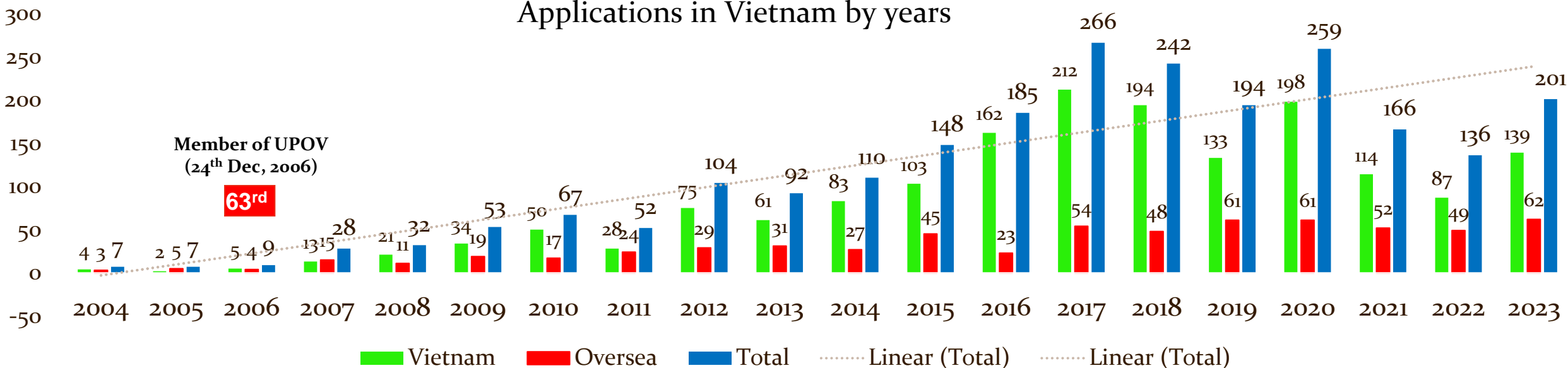
LEGAL DOCUMENT



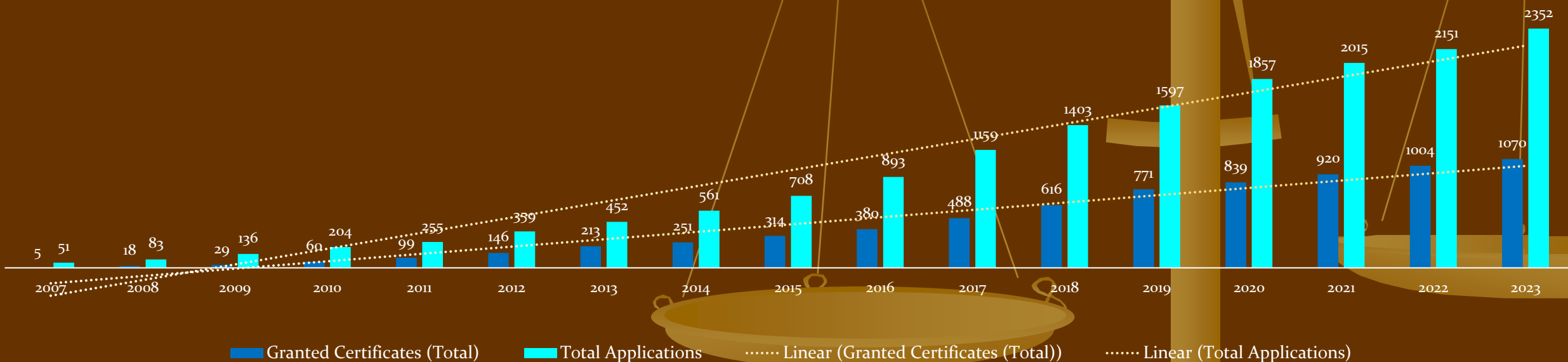
Country	Signing date	Photos
Japan	August, 2007 April, 2016 (free of charge)	
France	January 2011	
The Netherlands	March, 2011	
EU	May 2011	
Singapore	2016 VN provide DUS Testing service	<ul style="list-style-type: none"> ✓ Negotiation: Email ✓ Signing by each side then exchange through Post mail.
Korea	April, 2017	
Taiwan China	2020	<ul style="list-style-type: none"> ✓ Negotiation: Email ✓ Signing by each side then exchange through Post mail

Impacted by UPOV 1991

Applications in Vietnam by years



Total applications and PVP Certificates granted

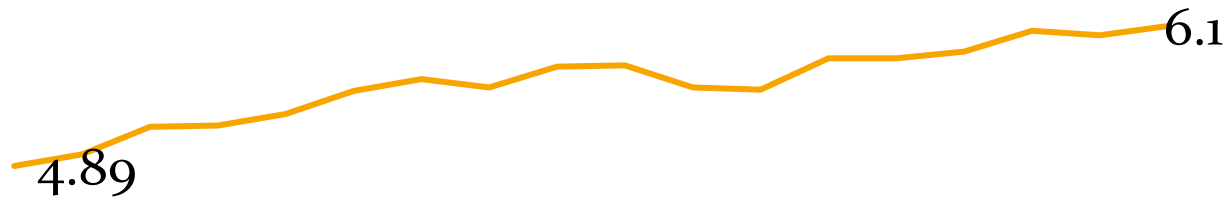


Example on benefits of Protected Varieties

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 (Fresh rice, USD/Ton)	<u>292.0</u>	239.1
Average income in 1 ha for farmer (rice); USD	<u>1897.0</u>	1298.0
Yield (Ton/ha)	<u>6.5</u>	5.5
Benefits from seed of protected varieties	<ul style="list-style-type: none"> ✓ Better quality, Yield ✓ Better tolerance in bad climate and diseases, insect ✓ Reduce of invest for production 	<ul style="list-style-type: none"> ? ? ?

* Source: VINA Seed Corporation (report on Dec. 2021: World Price 380 – 400 USD/ton);
Now: 670 – 1,100 USD/Ton

Rice Yield (Ton/ha)



New varieties of Rice, Corn and Sweet potato contributed 8% of the agricultural GDP of Vietnam – PVP encourage to create of new Var
 (“An ex-post assessment on plant breeding and agriculture productivity after ten years”, HFFA Research GmbH, Berlin April 2017).

2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023



ST25: Best quality in the world – 2019 and 2023

➤ Exported price is higher in the global market (3 times compare to the normal rice) – Farmer’s income increased by using new varieties with high quality.

The process for introduction new variety is specialized

BEFORE PVP

Breeders

No Professional
distribution system



Farmer

No specialized
service, Difficult on
Seed Quality control

AFTER PVP

Breeders

License

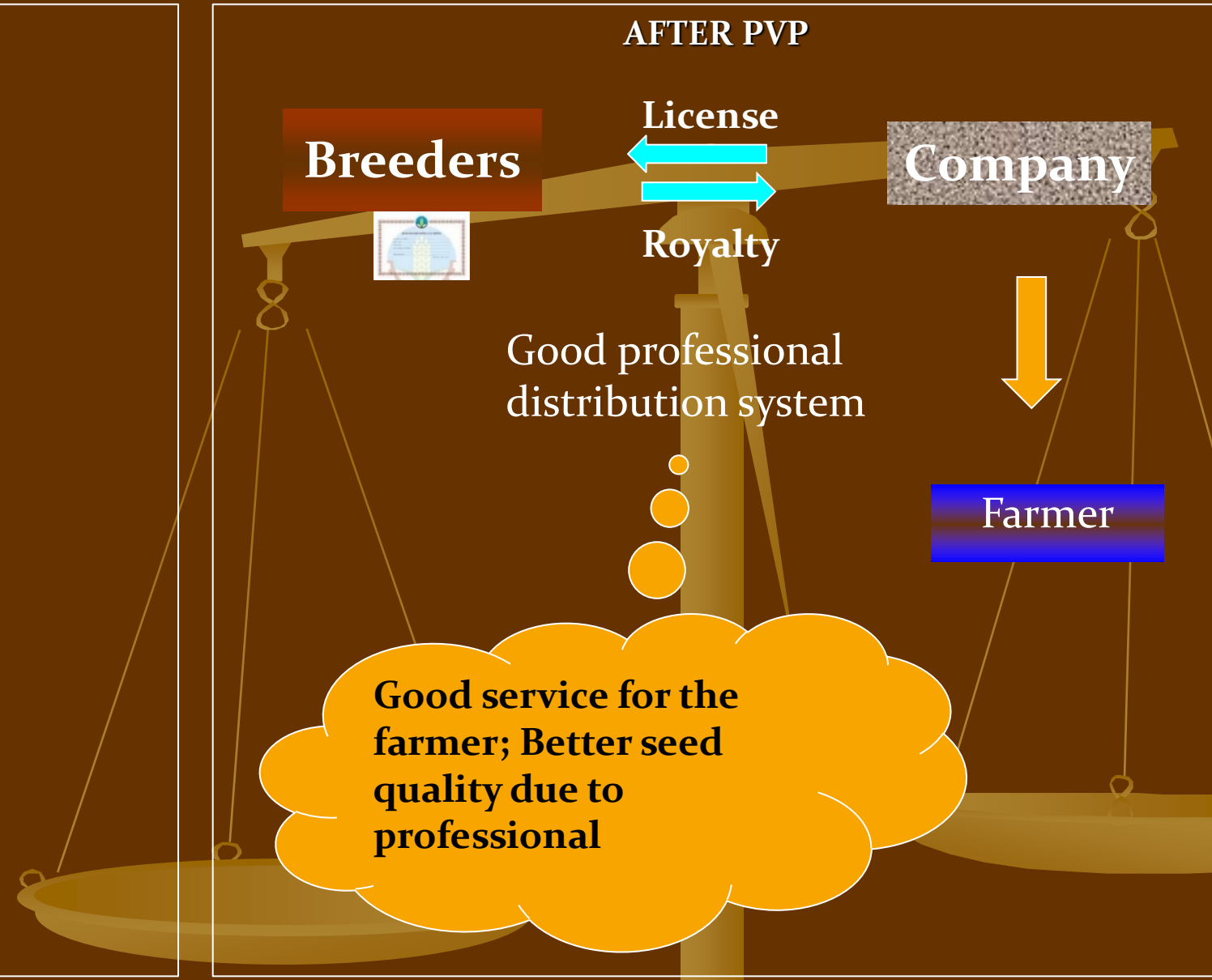
Royalty

Company

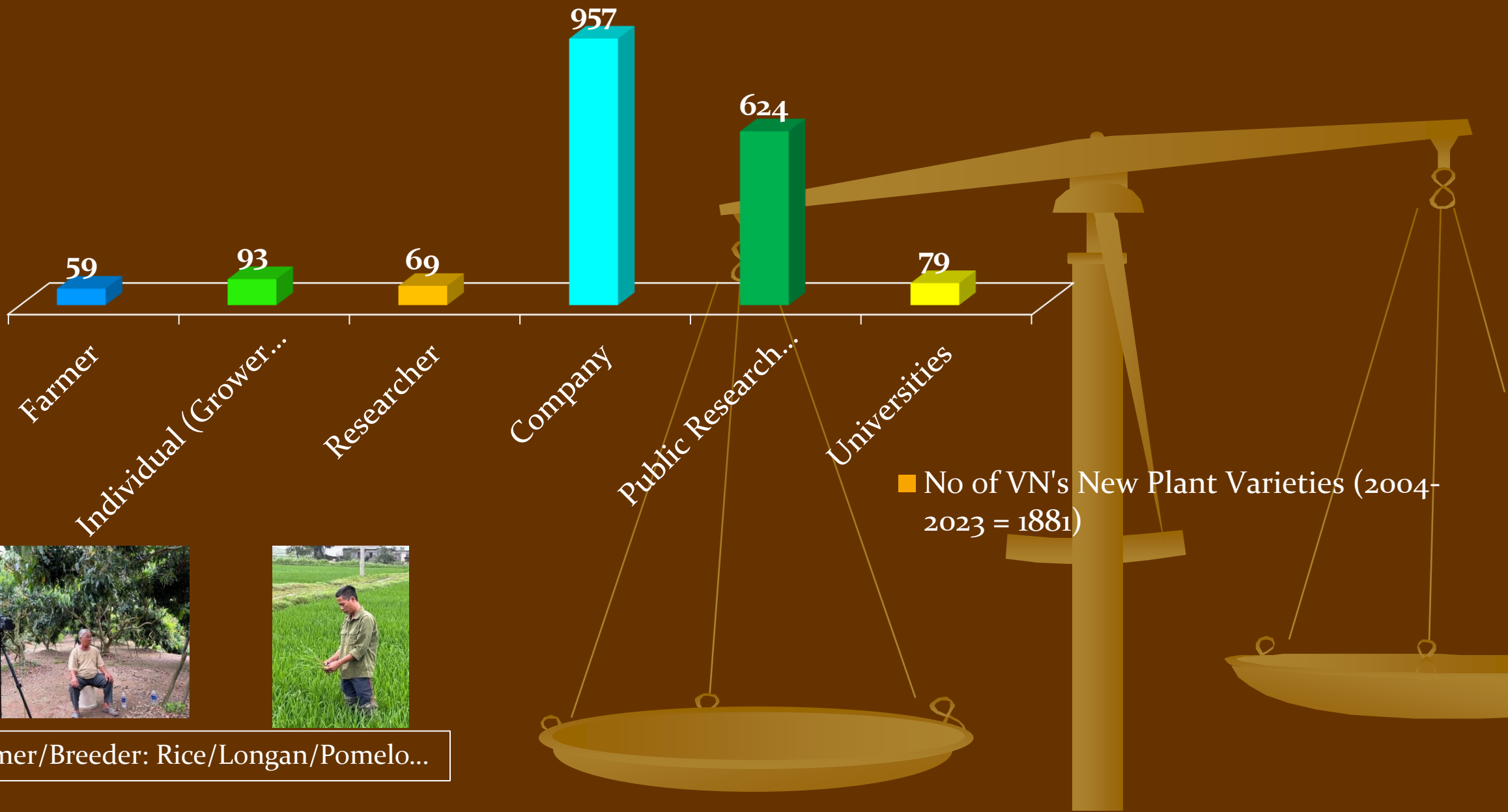
Good professional
distribution system

Farmer

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



All people from different sectors have chance to be Breeder



Farmer/Breeder: Rice/Longan/Pomelo...

- Contribute to the conservation of PGR and Livelihood for ethnic minorities in mountainous rural areas
 - ✓ New varieties from wild species which are declined



Production of medicinal plants by ethnic minorities



- Diversify the products for Customers

- ✓ Functional Food
- ✓ Medicinal plants



- Adaptability in an Inconvenience Environment when climate changes

- ✓ Drought/Flooded/Salinization by sea level increase.
- ✓ Diseases/insects tolerance varieties

NEW RICE FOR CLIMATE CHANGES



Drought tolerance



Flood tolerance



Bacterial leaf blight



Rice blast disease



Salty tolerance Rice



New good varieties from overseas

- An effective PVP system – encourage new varieties from overseas:
 - ✓ New techniques will be introduced together with new varieties
 - ✓ Diversification of Crop-products for exportation
 - ✓ Opportunity for new jobs: Cultivation- Processing for exportation



New variety of Fruits



Primary processing flowers and fruits for exportation



New variety of Flowers



Flower/Fruit by new techniques are introduced by breeders from overseas



New variety of Vegetable

- Through different level as:
 - ✓ Before 2006, almost all of them were Traders only
 - ✓ When PVP is established: beginning they are licensed to exploit PBR from owner (before 2010)
 - ✓ To develop their-own breeding facility
- Now, many of them become big with very good breeding facility (**Techno-Scientific Enterprises – 30% Members of VSTA**)
- Increasing their ability on competition in the market (domestic – global);
- To contribute to the big policies of the Gov. on agriculture





LAND CONSOLIDATION

- Easy success in the province where there is the participation of Enterprise

- They are ready for the policies due to their right is ensured by PVP



RE-ORGANIZED PATTERN CROP



FOOD VALUE CHAIN

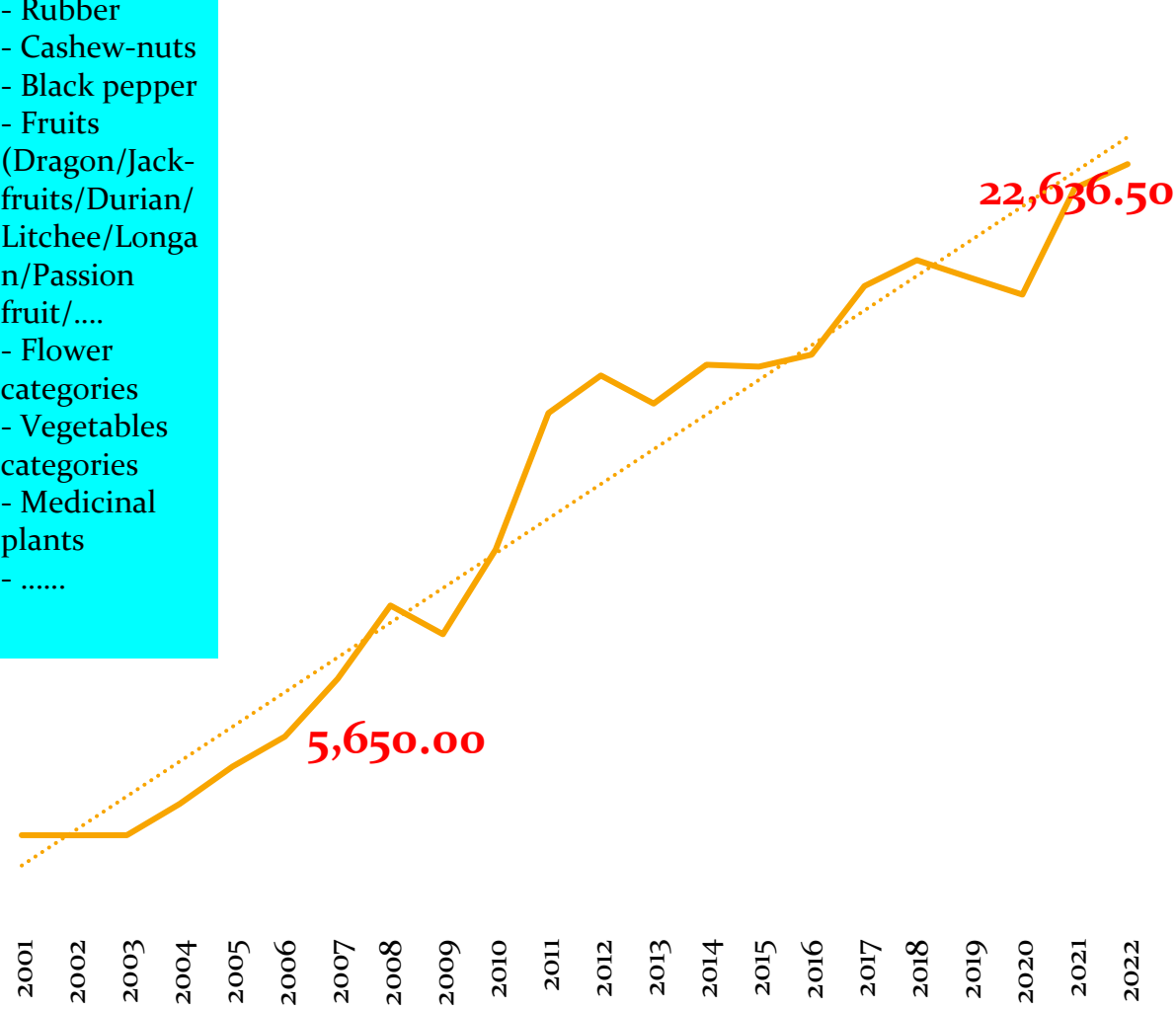


SAFE CROP PRODUCTION

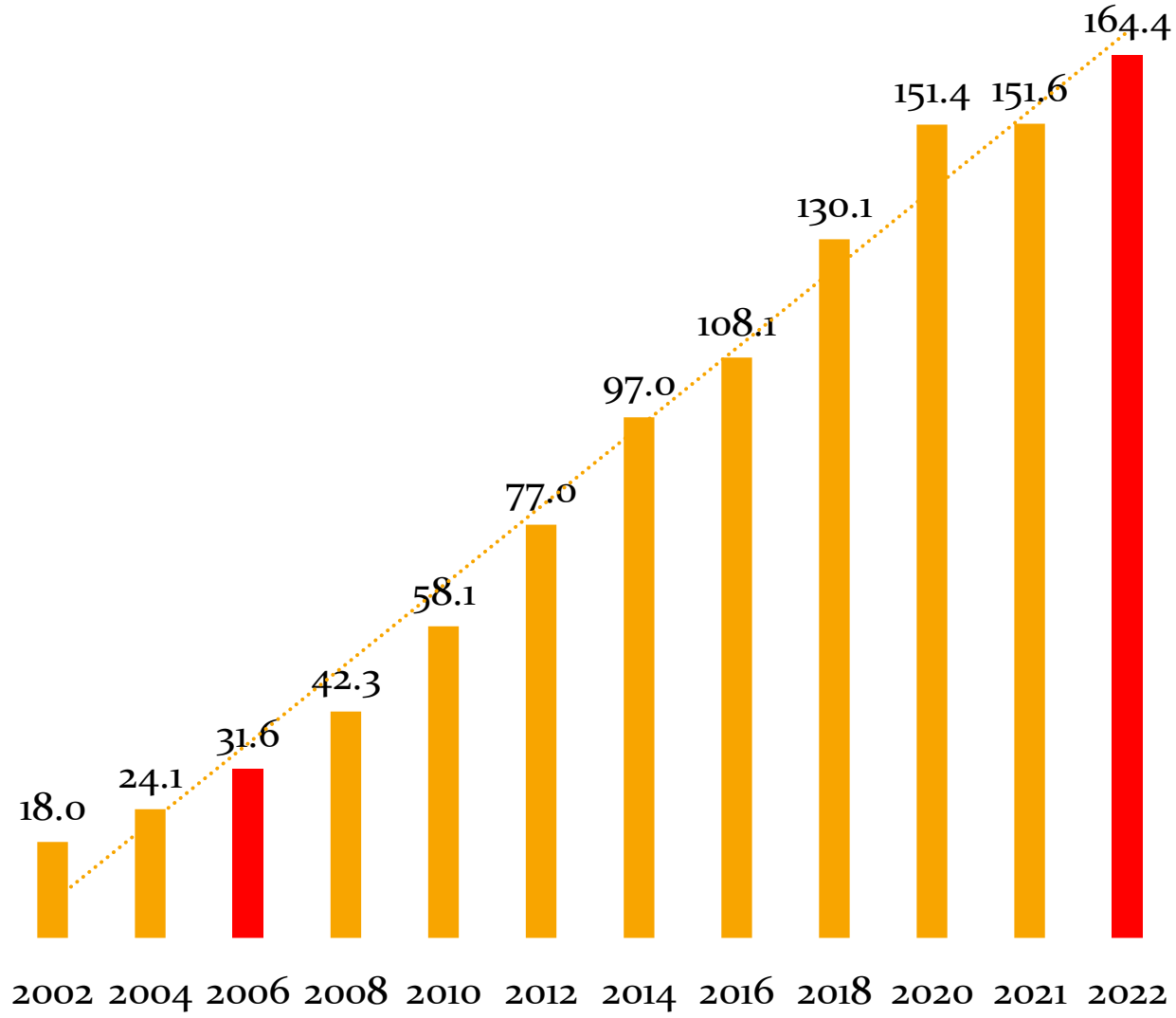
Impacted by UPOV 1991

- Main products:
- Rice
 - Coffee
 - Tea
 - Rubber
 - Cashew-nuts
 - Black pepper
 - Fruits (Dragon/Jack-fruits/Durian/Litchee/Longan/Passion fruit/....
 - Flower categories
 - Vegetables categories
 - Medicinal plants
 -

The value of Export the Crop Products (2001-2022)
(Million USD)
(Source: GSO)



Income of Rural area (USD/month/person)-
GSO



The IP Strategy of Government for the next 10 years for promoting Crops production sector

Strategy for the development of PVP
(IP Strategy 2020 - 2030 approved by *Decision No 1068/QD-TTg signed by PM on 22 August 2019*)

- ✓ No of Application is increased 12 - 14%/year.
- ✓ 10 - 12% of VN's Applications will be filed in abroad;
- ✓ At least 1 - 2 VN's PBR is exploited in oversea
- ✓ Positive joining the [Regional PVP mechanism](#)

Seed Program (2020 – 2030)
(*Decision No 703/QD-TTg approved on 20th May 2020*)

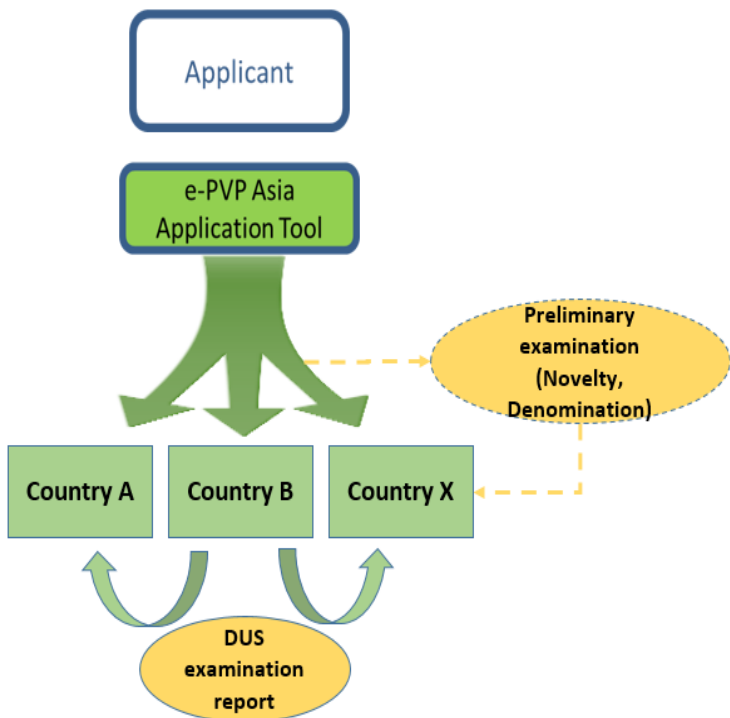
- ✓ For rice: 90% of production area is used certified seed/
Maize: 95% F1 hybrids
- ✓ For the other crops: depend on species that is from 50 to 100% to use seed ensure quality.
- ✓ Strengthening capacity on R/D of plant Variety for the Organizations/Individual
- ✓ Improving the Trading System of Seed

Orientation of Government

New PVP system for registration in Vietnam from Oct. 2023

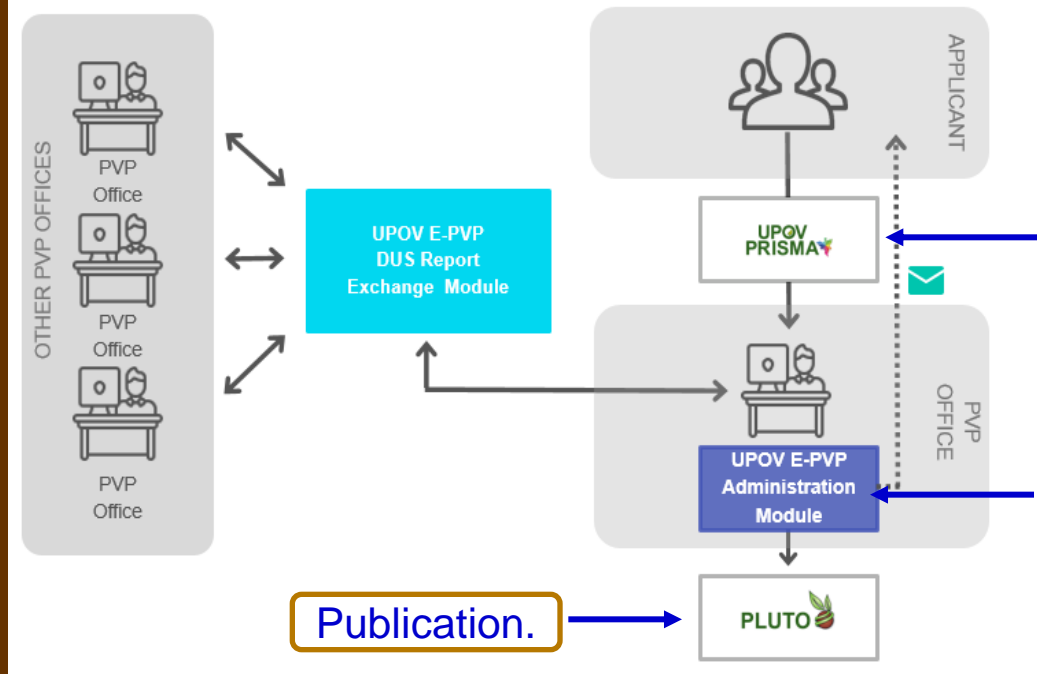


Member Cooperation Platform e-PVP Asia (EAPVP Forum Pilot Project)



Under discussion in the scope of EAPVPF Pilot Project

UPOV e-PVP Standard options



Fee for using system: 90 Swiss France/Application (Pay by applicant)

Application Tool (UPOV's TQ; Development and maintenance by UPOV)

Hosting by PVPO – Manage of PVP application's Data.

Vietnam's new system: Can use from 28th Sept. 2023 in theory
(Needs: Training/Introducing/Propagating...)

✓ **Detail information:**

- Vietnam Seed Service
support Centre (VSC)
- Room 314, A2 Build. No1B
Bacson str. Ngocha, Badinh
Hanoi – VIETNAM

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