

# Plant Variety Development in Lao PDR

*Department of Agriculture, MAF, Lao PDR*



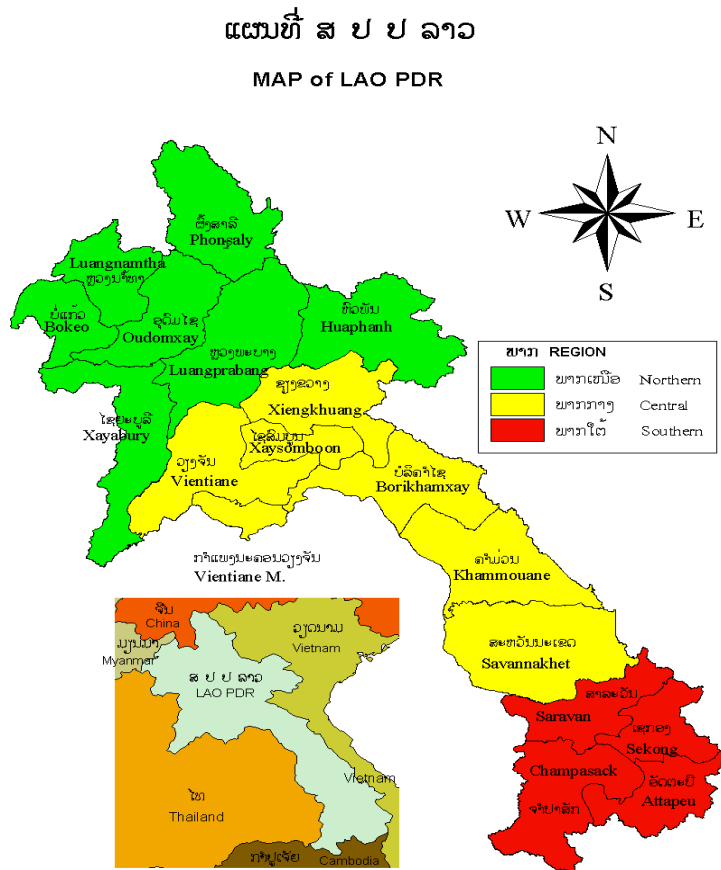
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# 1. Agricultural Development in Lao PDR



- Lao PDR covers area of 236,800 km<sup>2</sup>
- Population is about 6.51 million (In 2012);
- Cultivated land covers about 2 million ha (5%), rice is occupying 60-70%
  - Maize
  - Cassava
  - Fruit and Vegetable



- ❖ Lao PDR is largely an agrarian society with 80% of people living in rural areas.
- ❖ Major crops in the country are mainly rice, maize, Cassava, grain legumes, oil seeds, root and tubers, coffee, cotton, fruits, nuts, vegetables, tobacco, and others...



# Government Policy:

The state promotes, encourages persons, juristic persons, organizations to invest in developing and controlling plant variety with focus on construction of technical infrastructure, capacity building, research and development of plant variety.





## Long term objectives towards the year 2020

- ❖ Improve productivity continuously by applying successes and advancement of world sciences and technologies in agriculture and forestry,
- ❖ Utilizing high quality seeds, tree species, so as to modernize gradually the sector of agriculture and forestry which constitutes firm basis for gradual industrialization.



# Government's Prospective and Strategic Vision for 2015-2020

The Government's vision for the development of agriculture, forestry, natural resources management and rural development *is based on the holistic concept of long-term, sustainable development, including economic, social and ecological dimensions.*

*Long-term  
Development  
Goal for  
the sector :*

Gradual introduction and increased application of modernized lowland market-oriented agricultural production, adapted to climate change and focused on smallholder farmers.

Conservation of uplands ecosystems, ensuring food security and improving the livelihood of rural communities.

**Strategic  
direction**

Ensure a successful gradual transition from subsistence into commercial smallholder production.

# Improved Rice Varieties

**1993: TDK1, TDK2**

**1994: PNG1**

**1995: PNG2**

**1997: TDK3**

**1998: TDK4, TSN1, NTN1**

**2000: TDK5**

**2002: TDK6, TDK7\*, PNG3**

**2003: TDK8, TDK9\*, TDK10, PNG5\***

**2009: TDK11\*, TSN5\*, TSN6\*, TSN7\* and Homesavan\***

**2010: Vientiane 450-1**

**2012: TDK1 sub 1**



# 1<sup>st</sup> Released Variety of hybrid maize “VTE 450” in 2011





# Develop two new varieties of Soybean at ARC (S-ARC-1; ARC-2)





# Cassava

## Cassava:

- Collection (43 Acc)
- Evaluation of introduced variety from Thailand and Vietnam and in the 2005
- were introduced 320 lines from Colombia and selected 6 promising lines
- Inter-crop study





# Sweet Potatoes

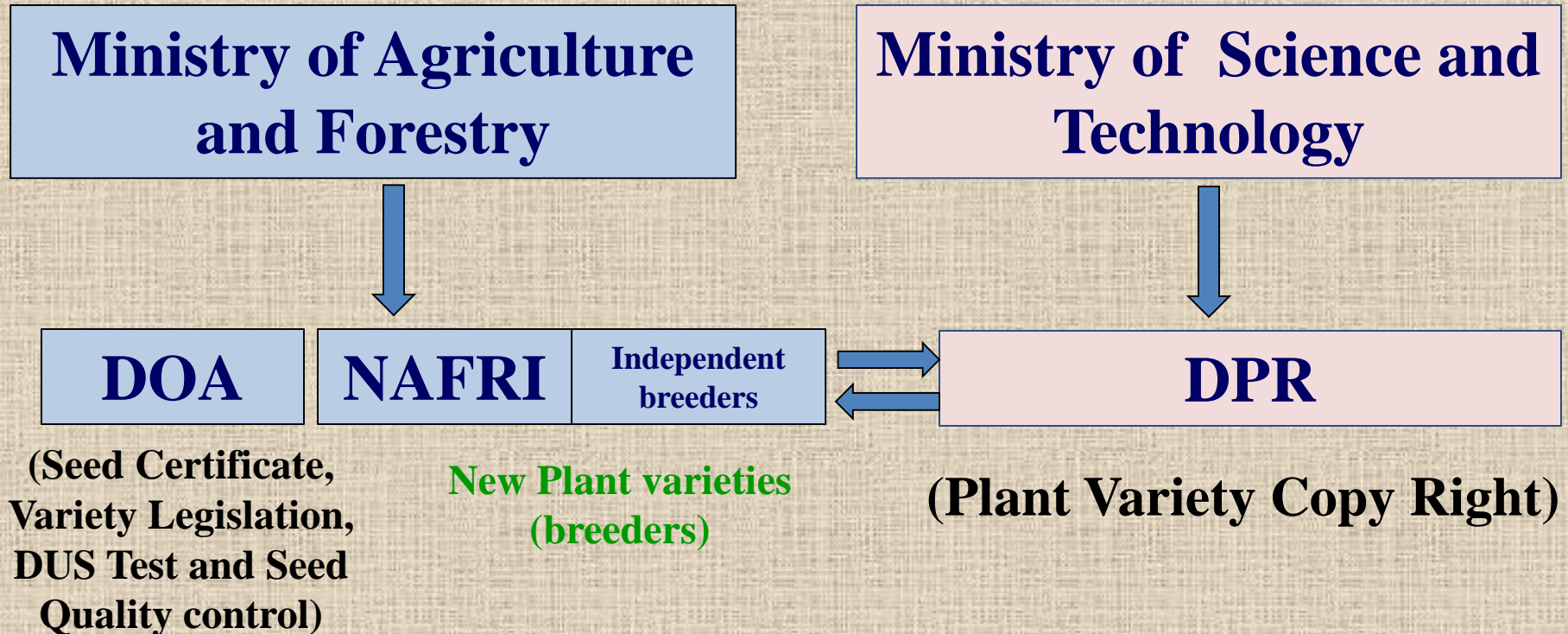
- Germplasm Collection 22 , Characterization and Evaluation for Use (16 Varieties)



## 2. National PVP Legislative Field

- Agricultural Law (No. 01/98 NA, Promulgated by National Assembly on 10 October 1998,). This law is now under improving/review process.
- **Law on Intellectual property (No. 01/NA, Date 20 December 2011).**
- Ministerial Decision on the implementation of the law on Intellectual Property concerning Patent and Petty Patent, No. 752/MOST date 20 September 2012.
- **Regulation on Management and Use of Plant Variety (Ministry Agreement, No.3919/MAF, 12 December 2012).**

# Organization Chart related to PVP





# 3. Cooperation Activities under EAPVP Forum in year 2012-2013

1. Training on Quality Control System of seed and seedling to facilitate Distribution of High quality July 12 to October 11, 2014 **in Japan,**
2. Training Course for DUS Test of Rice in **Vietnam** 30 September to 2 October 2014,
3. Meeting of Test Guidelines Harmonization on Rambutan and Starfruit in Kluang, Johor, **Malaysia,** from 4 to 6 November, 2014,
4. Participate in the Second Meeting of Test Guidelines Harmonization on Dendrobium in Busan, **Korea** from February 3 to 6, 2015.
5. UPOV Technical Working Party for agriculture crops Forty-Fourth Session, Obihiro, **Japan,** July 6 to 10, 2015;

## 4. FUTURE DIRECTION

- Establishing the new plant variety registration system at the Ministry of Science and Technology.
- Establishing the DUS Test Center at the Ministry of Agriculture and Forestry.
- Seeking a cooperation in capacity building particularly in DUS examination and developing Test Guidelines
- Strengthening PVP awareness among public and private sectors.

## **II. Proposal Activities in the year 2015**

Workshop on Awareness of Plant Varieties  
Protection under UPOV Convention,  
December, 2015 Vientiane, Lao PDR



# EXPECTED OUTCOMES

- Increasing knowledge and experience on plant variety protection under UPOV convention and also the understanding, information and principle related to PVP activities to other concerned institutions including public and private sectors in Lao PDR.
- It will be as a platform to prepare and establish PVP office/body in the future in collaboration and support with other concerned organizations.

# CONCLUSION

- ❖ It is an overview of current situation on Intellectual Property as well as new plant variety protection system in Lao PDR.
- ❖ Therefore, it requires more assistance and exchange of experiences with other countries to improve the new plant variety protection system in our country.
- ❖ The protection of IP is now being given great attention as an incentive and encouragement for the promotion of innovation, investment, trade, economic and agriculture development of the nation.

**THANK YOU**  
*For your kind attention*

