



UPOV EAPVP Forum

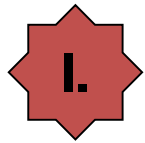
MAFF
Ministry of Agriculture, Forestry and Fisheries

Overview and Challenge of Plant Variety Development in Lao PDR

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Contents



Introduction



Agriculture Development in Lao PDR



Plant Variety Development in Lao PDR



Challenge of Plant Variety Management



Future Direction



Introduction

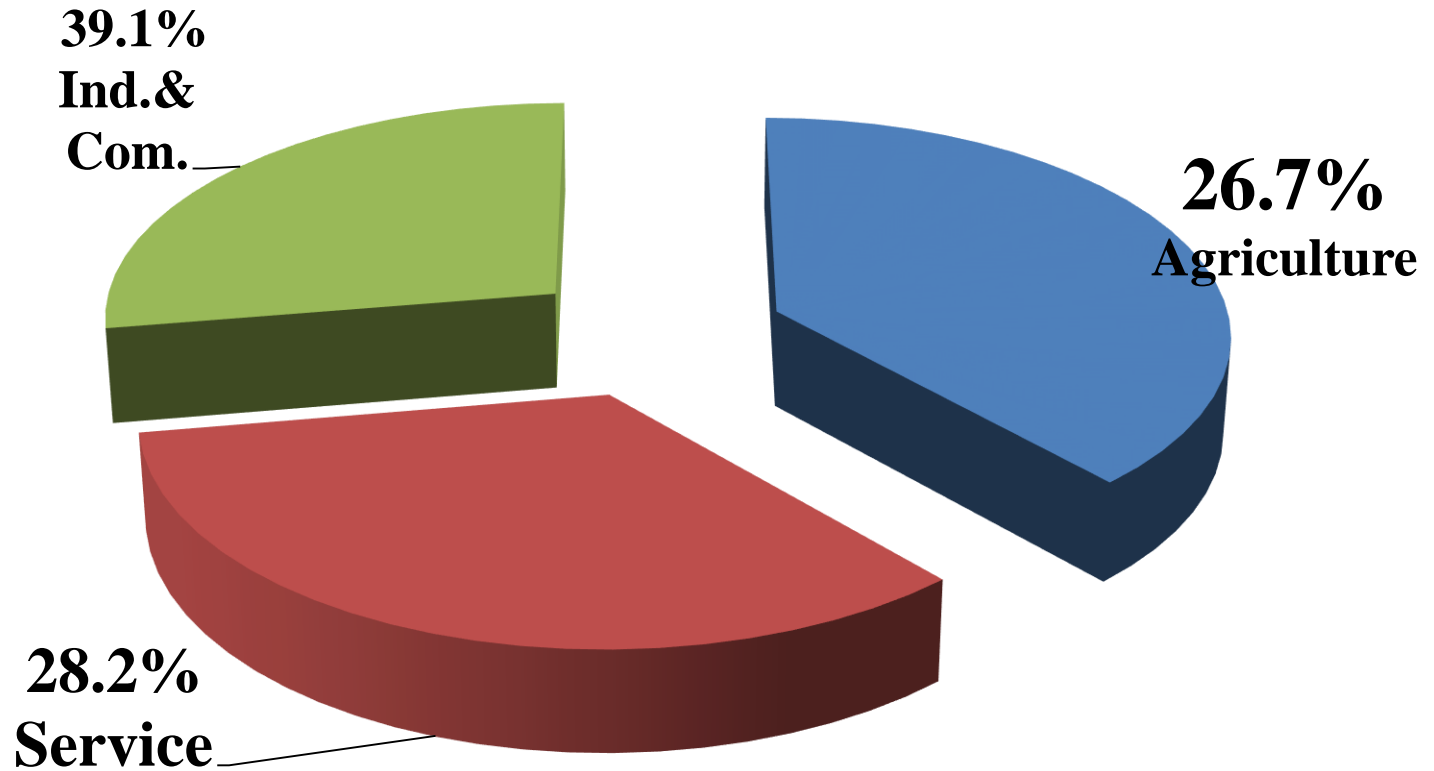
ແຜນທີ່ ສ ປ ປ ລາວ

MAP of LAO PDR



- ❑ Lao PDR covers area of 236,800 km²,
- ❑ Mountainous areas account for 80% and about 20% is lowland area.
- ❑ Population is about 7 million (In 2018);
- ❑ GDP per capita 2.500 US\$ (in 2018). Growth rate is about 6.5 %.
- ❑ Cultivated land covers about 2 million ha (5%), rice is occupying 60-70%.

GDP Share in the year 2016-2017



II. Agriculture Development in Lao PDR

**Strategy to 2025
and Vision to the
year 2030, date 20
March 2015.**

**Development
Strategy of the
Crop Sector 2025
and Vision 2030,
date 2 March 2015.**

Government's Prospective and Strategic Vision 2025

*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.

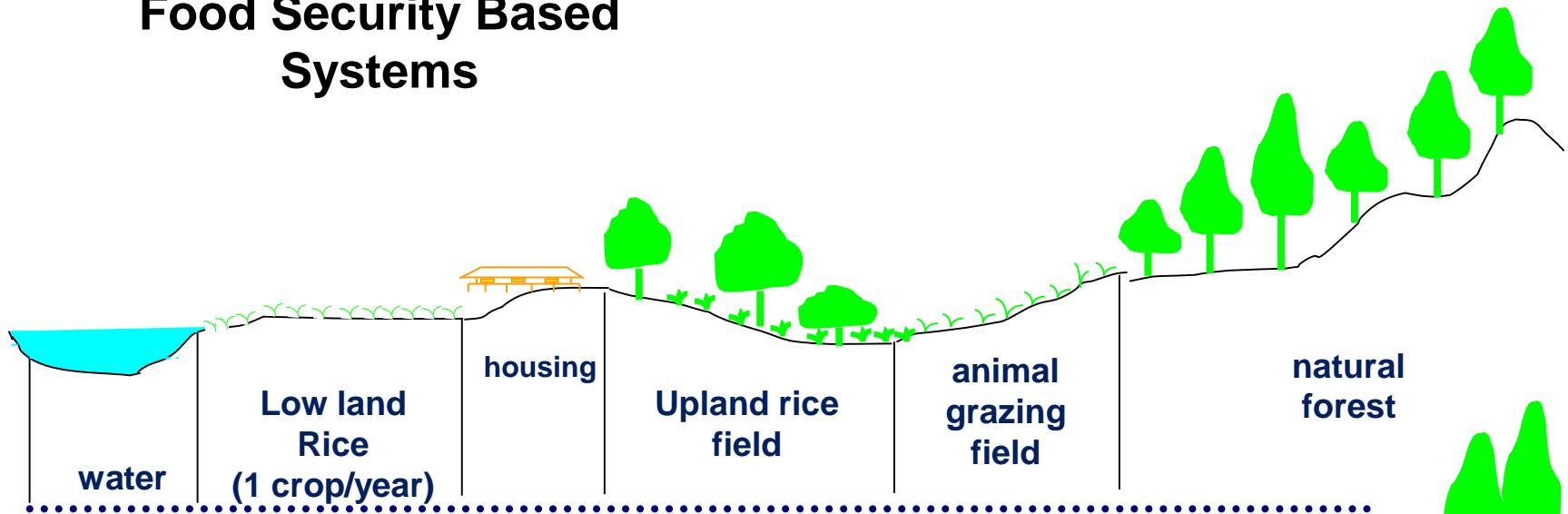
Conservation of uplands ecosystems, ensuring food security and improving the livelihood of rural communities.

**Strategic
direction**

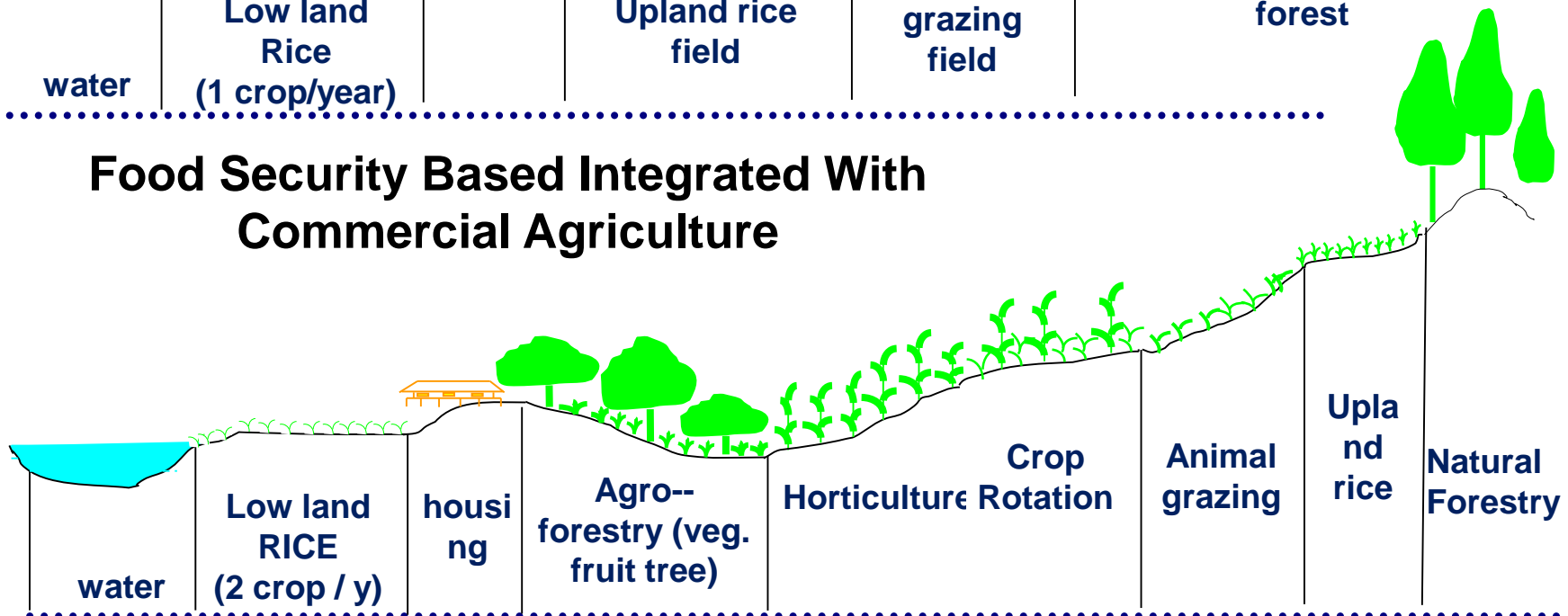
Ensure a successful gradual transition from subsistence into commercial smallholder production.

Lao Agriculture Transition has Accelerated in the Past Over 10 Years

Food Security Based Systems



Food Security Based Integrated With Commercial Agriculture



Development Plan for Crop Sector

- **Food production**: The improvement of livelihood (through agriculture activities) has food security as its first priority.
- **Commodity production**: partnering investment for agriculture commodity production aiming to develop “pro-poor and green value chains” to domestic, regional, and global markets.



Rice



Coffee



Maize



Banana

Major Crops

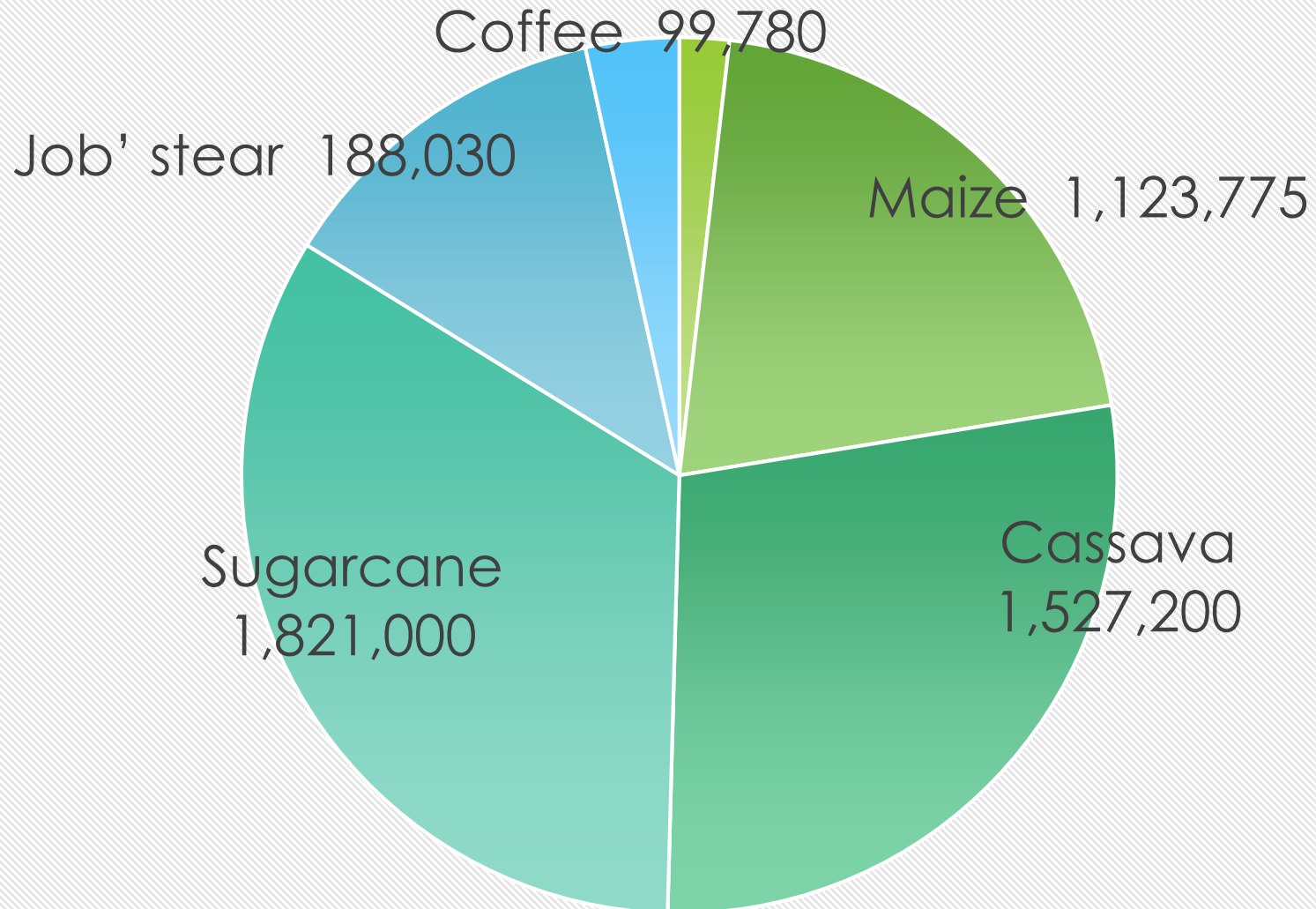


Vegetable

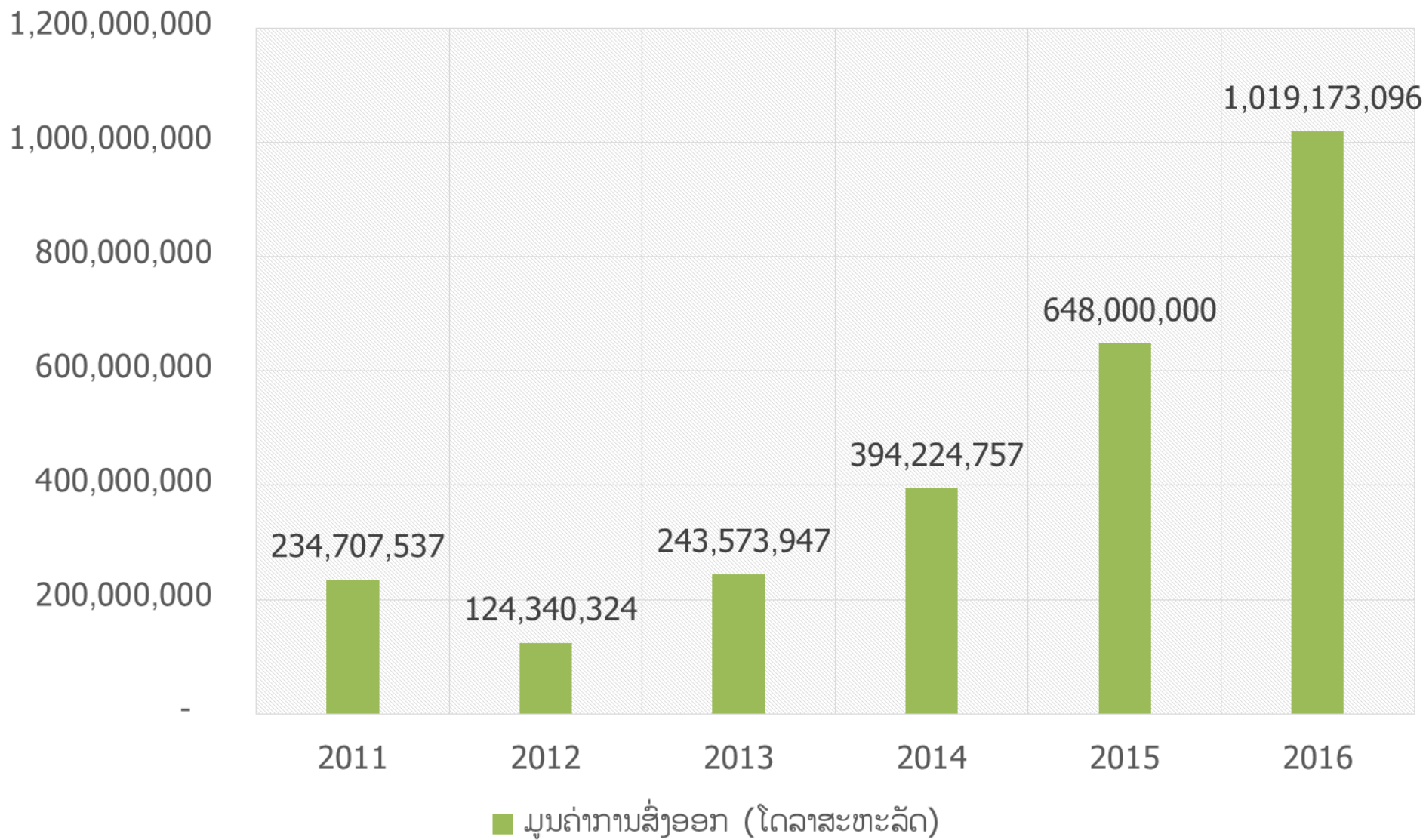


Cassava

Crop Production 2017



Values Export of Crop Production



III. Plant Variety Development in Lao PDR

- Agricultural Law (No. 01/98 NA, Promulgated by National Assembly on 10 October 1998,). This law is now under improving/review process;
- Agreement on Management and Use of Plant Variety (Ministry Agreement, No.3919/MAF, 12 December 2012);

UPOV

EAPVP

Cooperation

Training TOT on
PVP

Workshop on PVP

JICA

Training on PVP and Seed
Testing



Cooperation



Training on Seed Control
and Certification system

Organization Chart related to Variety Development

**Ministry of Agriculture
and Forestry**

**Ministry of Science and
Technology**



**Department of
Agriculture
(DOA)**

**National Agriculture
and Forestry
Research Institute**

**Department of
Property Right**

**Seed
Legislation,
Plant Variety
Test and Seed
Quality
control**

**Conservation,
Breeding and
Seed
Production**

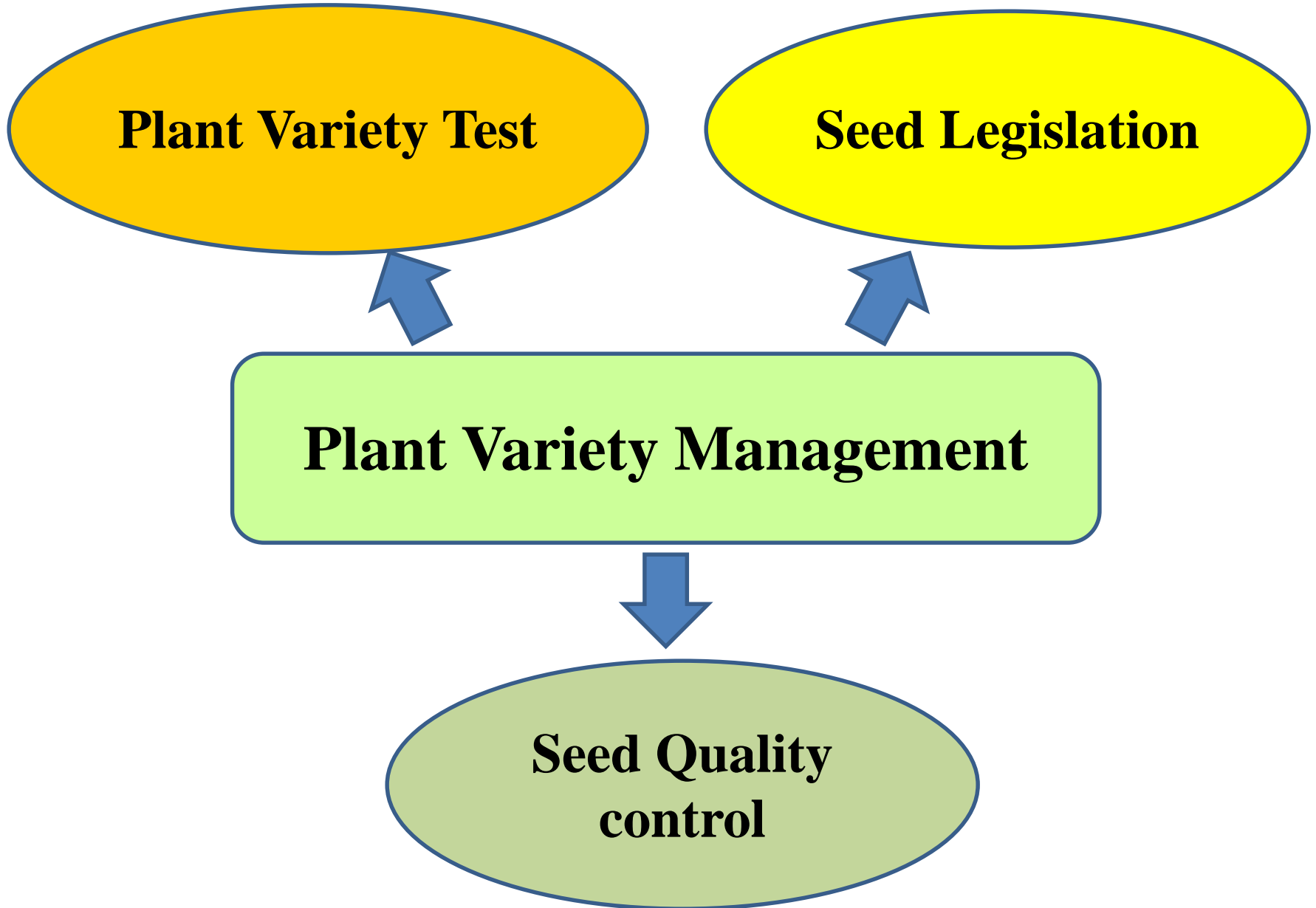
**Plant Variety
Protection**

Plant Variety Test

Seed Legislation

Plant Variety Management

**Seed Quality
control**



Process of Plant variety Testing

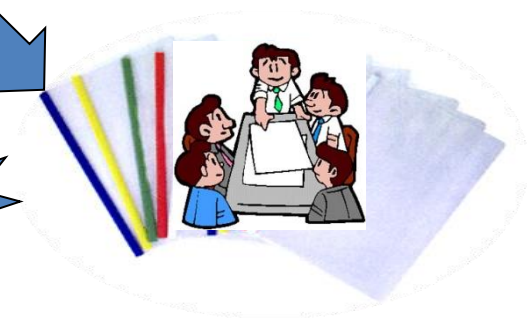
**Application and
related
document**



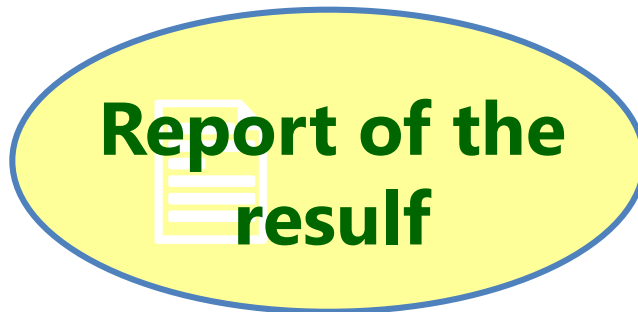
**DOA examines and Filed
Testing**



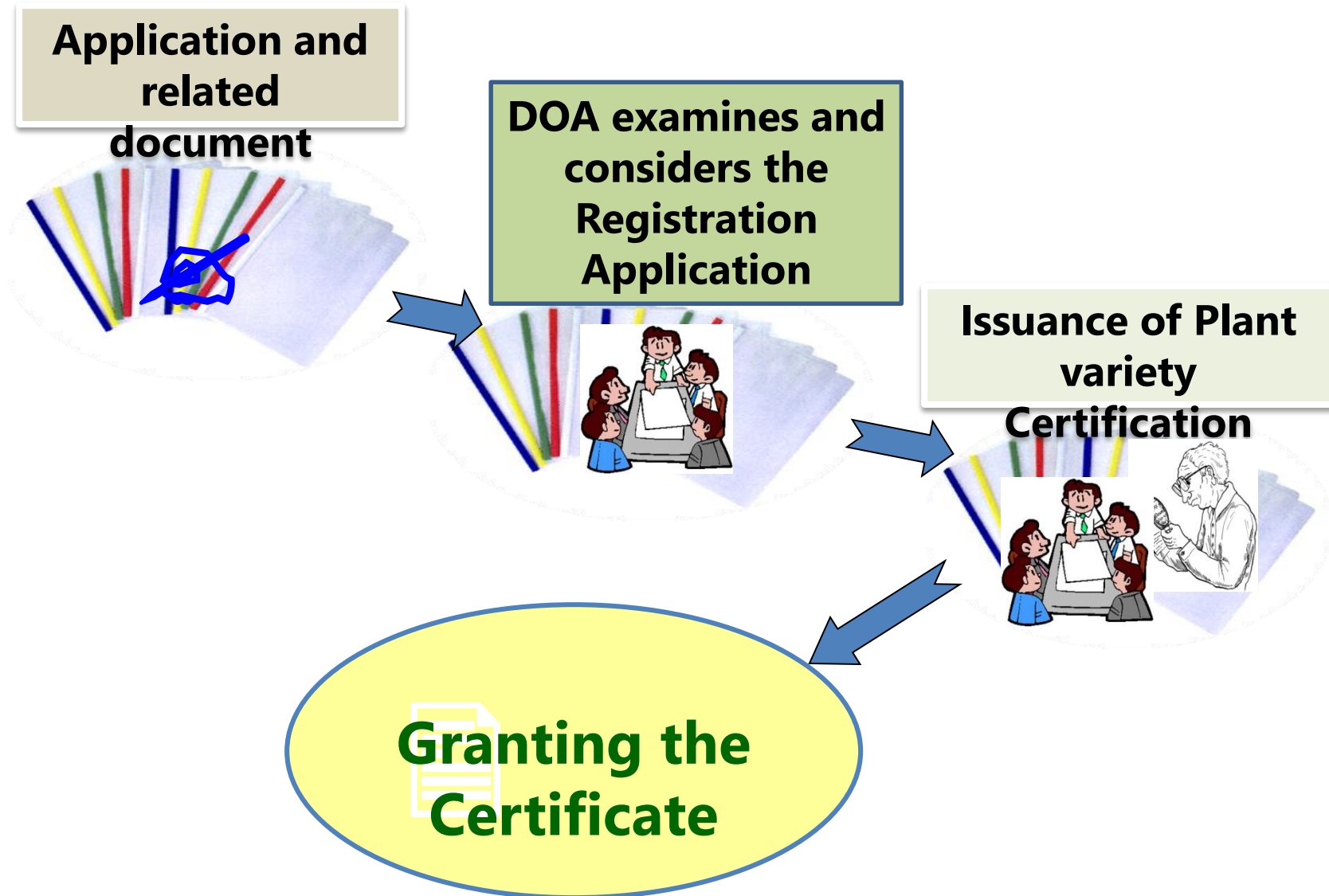
**Determined of
Result**



**Report of the
result**

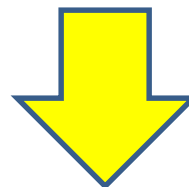


Process of Plant variety Certification




Granting the Certificate

Granting the Certificate 9 Varieties



1. HSV,
2. TDK 8, 11, 13,
3. XPF, 2, 3,
4. Varieties 450-1, 450-2


ສາທາລະນະລັດ ປະຊາທິປະໄຕ ປະຊາຊົນລາວ
ສັນຕິພາບ ເອກະລາດ ປະຊາທິປະໄຕ ເອກະພາບ ວັດທະນະຖາວອນ

ກະຊວງ ກະສິກໍາ ແລະ ປ່າໄມ້
ກົມປູກຝັງ

ເລກທີ: 139/ກປປ
ນະຄອນຫຼວງວຽງຈັນ, ວັນທີ: 12.08.2018

ໃບທະບຽນແນວພັນພືດສັງເກດ


- ອີງຕາມ ລະບຽບການຄົ້ນຄວ້າ ນໍາໃຊ້ແນວພັນ ແລະ ເມັດພັນ ສໍາລັບການປູກຝັງ ໃນ ສປປ ລາວ ສະບັບເລກທີ 0719/ກປ, ລົງວັນທີ 13 ທັນວາ 1997;
- ອີງຕາມ ຂໍ້ຕົກລົງ ຂອງລັດຖະມົນຕີ ວ່າດ້ວຍການຄົ້ນຄວ້າ ແລະ ນໍາໃຊ້ແນວພັນພືດ ສະບັບເລກທີ 3919/ກປ, ລົງວັນທີ 12 ທັນວາ 2012;
- ອີງຕາມ ຂໍ້ຕົກລົງ ຂອງລັດຖະມົນຕີ ວ່າດ້ວຍການຈັດຕັ້ງ ແລະ ການເຄື່ອນໄຫວ ຂອງກົມປູກຝັງ ສະບັບເລກທີ 3825/ກປ, ລົງວັນທີ 18 ສິງຫາ 2017.

ກົມປູກຝັງ ອອກໃບທະບຽນແນວພັນພືດສັງເກດ ໃຫ້ແກ່:

ສະຖາບັນຄົ້ນຄວ້າກະສິກໍາ, ປ່າໄມ້ ແລະ ພັດທະນາຊຸມນະບົດ
ທີ່ຢູ່: ບ້ານ ໜອງວຽງຄໍາ, ເມືອງ: ໄຊທານີ, ແຂວງ: ນະຄອນຫຼວງວຽງຈັນ
ໂທລະສັບ: 021 770084, **ແຟັກ:** 021 770047

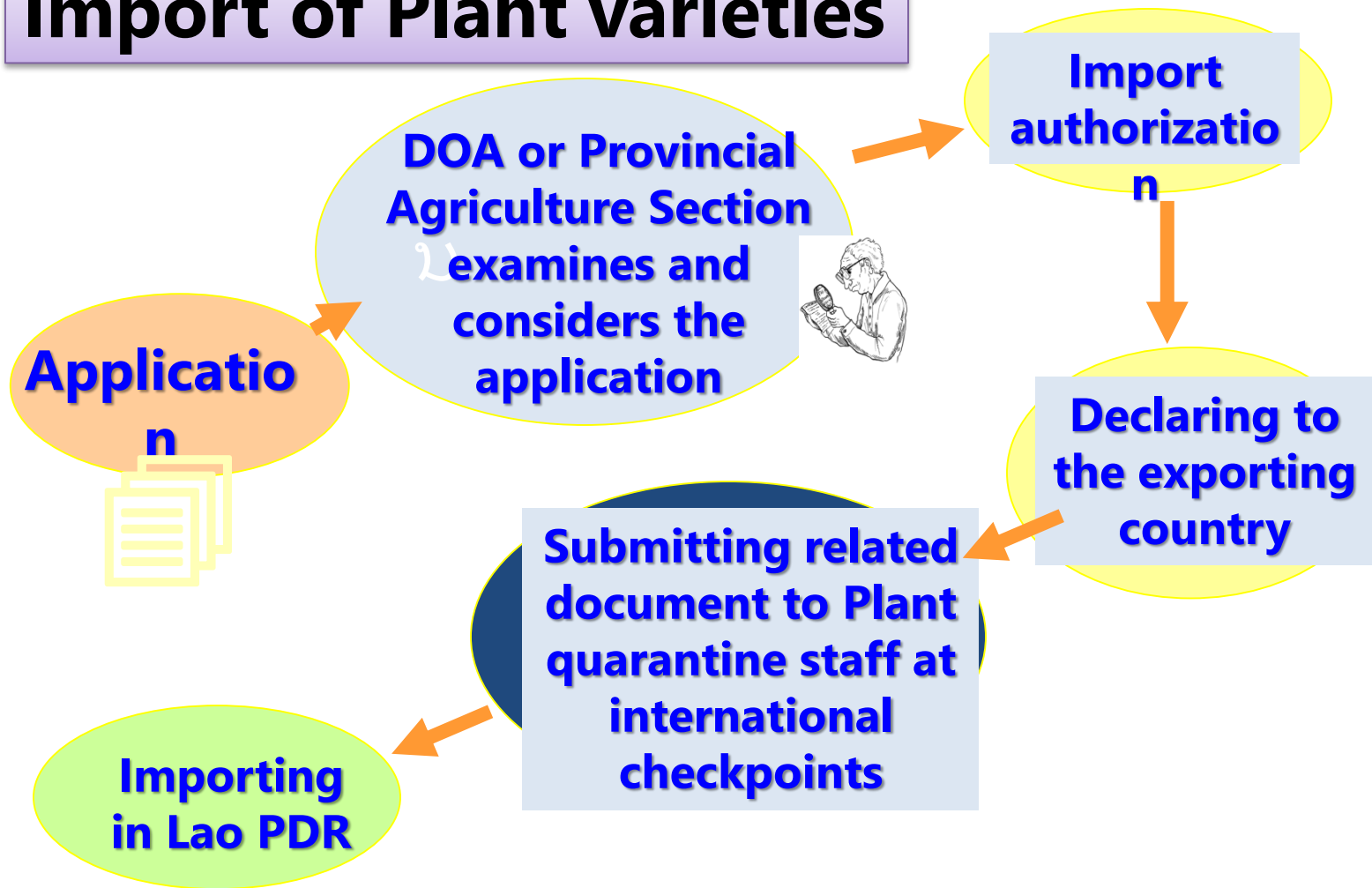
ມາດຕະຖານຂຶ້ນທະບຽນ:
ຊະນິດພືດ: ເຂົ້າ
ປະເພດ: ເຂົ້າຈຳວ
ຊື່ສາຍພັນ: ຫອມສະຫວັນ
ຄວາມຊຸ້ມສຸກ: ຊຸ້ມສຸກ
ບະລິດຕະພາບ: 3-4 ໂຕນ/ເຮັກຕາ

ລັກສະນະດີເດັ່ນຂອງແນວພັນ: ຫອມ, ທົນປານກາງຕໍ່ ພະຍາດໃບໃຫຍ່, ຂອບໃບແຫ້ງ ແລະ ແມງບິ່ວ

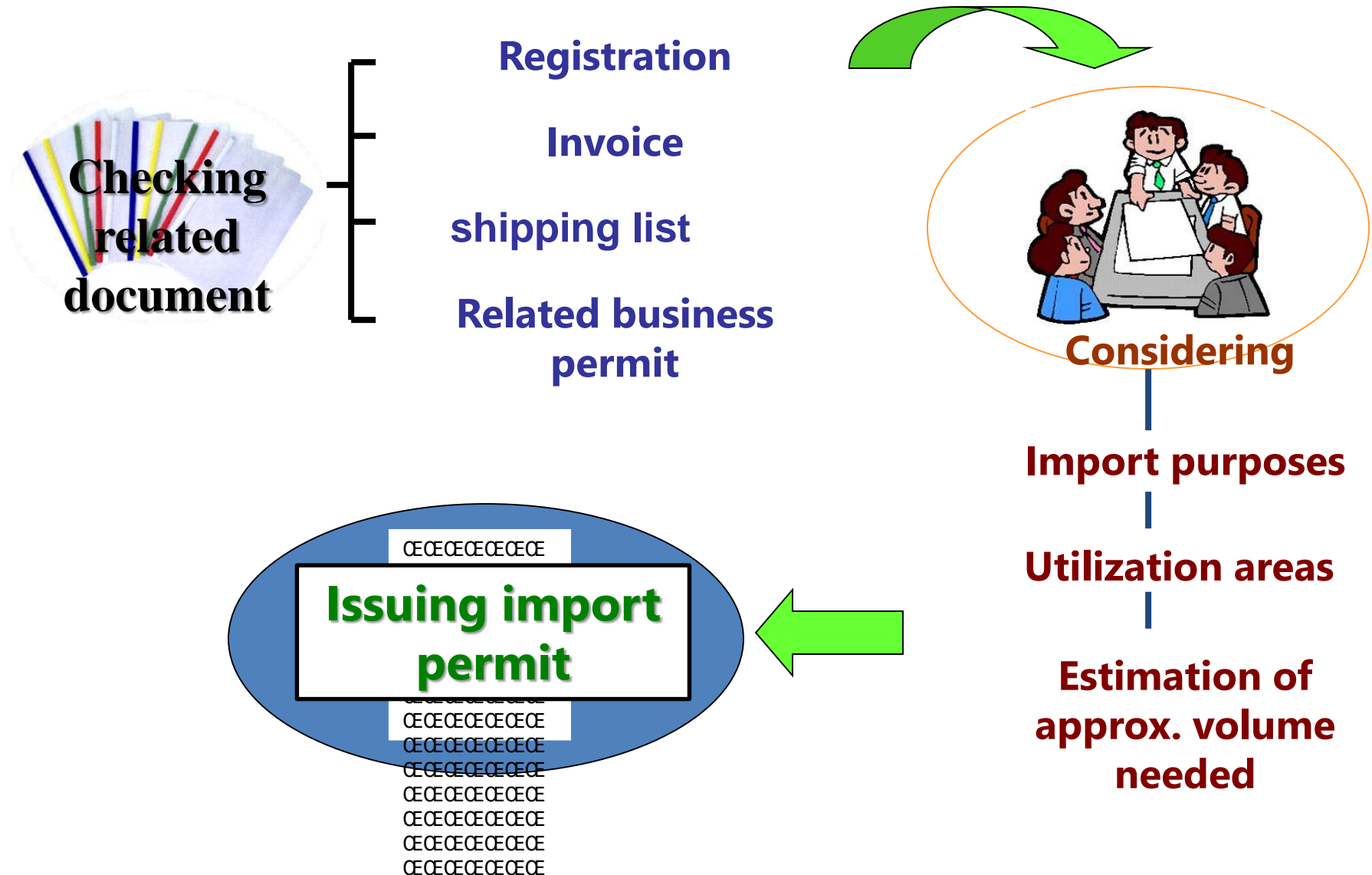
ຫົວໜ້າ ກົມປູກຝັງ

8 ເດືອນ ຕຸລາ ຄ.ສ. 2018

Management of imported and exported Plant varieties

Import of Plant varieties



Procedure of Plant variety import in Lao PDR



Process of seed inspection and Certification System



Legislation



File inspection



Harvesting



Processing



Sampling



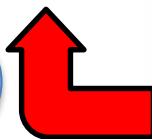
Laboratory Test



Grant Certificate



Tag



IV. Challenge of Plant Variety Management

- Technical documents, testing instruments, facilities & infrastructure being introduced to improve DUS, VCU testing not yet established



- Knowledge on DUS, VCU test, PVP for staff is at Low level

Process of Variety Management



- **Institution or Organization to Development DUS and VCU test system is not clear and strong enough.**

- **Climate change will effect to breeding and seed production for food security and Commodity production**



Future Direction

To support Law on Intellectual property and Agreement on Management and Use of Plant Variety



Develop the Decree, Regulation guideline relate to Plant variety protection such as of DUS and VCU test and Establishment the DUS Test Section/Center.



Conduct and Participate workshops, seminars or training related to PVP and DUS Test and quality control system.

Thank You

National &
International

Institutional
support

Policies

Food Security



Resilient
community



Technical

LOCAL

Resources



Seed Security

