



PERSPECTIVES ON PLANT PEST DIAGNOSTICS ACTIVITIES IN MALAYSIA

PRESENTATION OUTLINE

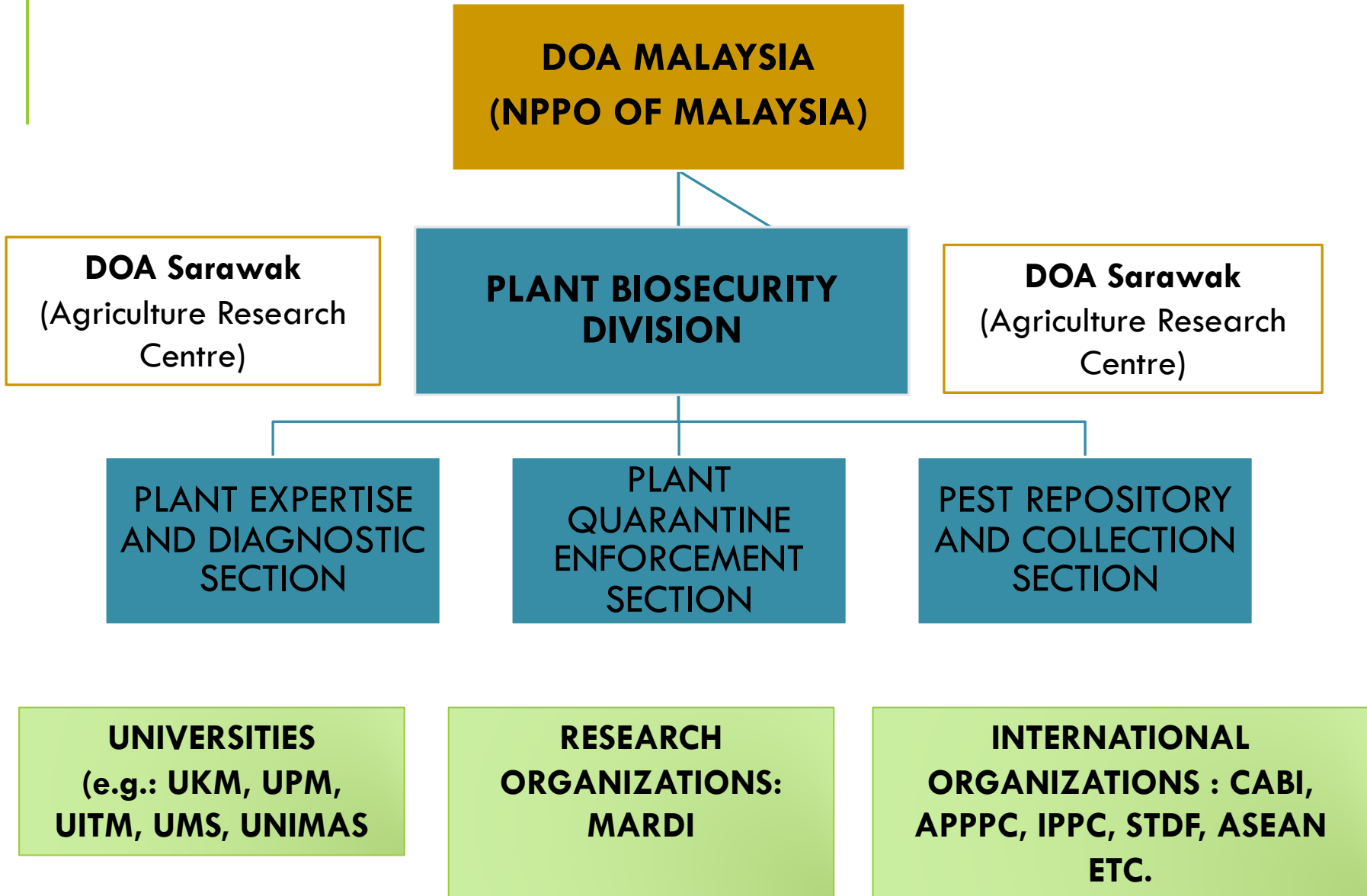
- **Introduction**
- **Agencies and institutions related to diagnostic activities**
- **Strength**
- **Weaknesses**
- **Strategies developed for diagnostic activities**

INTRODUCTION

Diagnostic activities:

- Main component in implementing plant quarantine and pest management.
- Support quarantine activities - e.g: formulating import requirement, border inspection and market access negotiation
- Support in pest management - e.g.: pest surveillance, pest free/low pest prevalent area, containment and eradication program

RELATED AGENCIES / INSTITUTIONS



STRENGTH

- Adequate laboratory facilities including molecular work and biochemical facilities
- Para-taxonomists are available on major categories of pest
- Sufficient networking with national and international organizations



Remote diagnostic system



Molecular testing for plant virus & bacterial disease

WEAKNESSES

- Limitation in funding
- Lack of specific equipment related to maintenance of samples – especially plant diseases
- Lack of taxonomist on specific organisms
- Limited collection of reference samples on quarantine pests
- Insufficient technologies in maintenance of pest collections and development of database
- Transfer of diagnosticians - difficult in maintaining the knowledge gained

STRATEGIES 1/3

- Request adequate funding including international support
- Purchased equipments to maintain reference collection
- Request exchange on quarantine pest samples for references – with other countries
- Training/attachment/project based program on specialized important taxonomy group with international universities and organizations

STRATEGIES 2/3

- Implementation of column rise promotions for diagnostics officers – to maintain expertise
- Standard Operating Procedure for containment towards eradication program on incursion of quarantine pest
- Local training on identification and management of pest utilizing the trained diagnosticians by international organizations
- Strengthen the microscopy network project for the real time diagnostic of pests at the entry points and farms

STRATEGIES 3/3

- Diagnostic experts list – utilize the available expertise nationally and international.
- Encourage exchange of experts within the ASEAN region
- Specific surveillance project on quarantine pest incursions within the ASEAN region - to update the status of quarantine pest distribution and the host range



THANK YOU