

# Resource Utilization, Management and Interdependencies Between Different Natural Resources

## Results of Working Group Discussion 2a

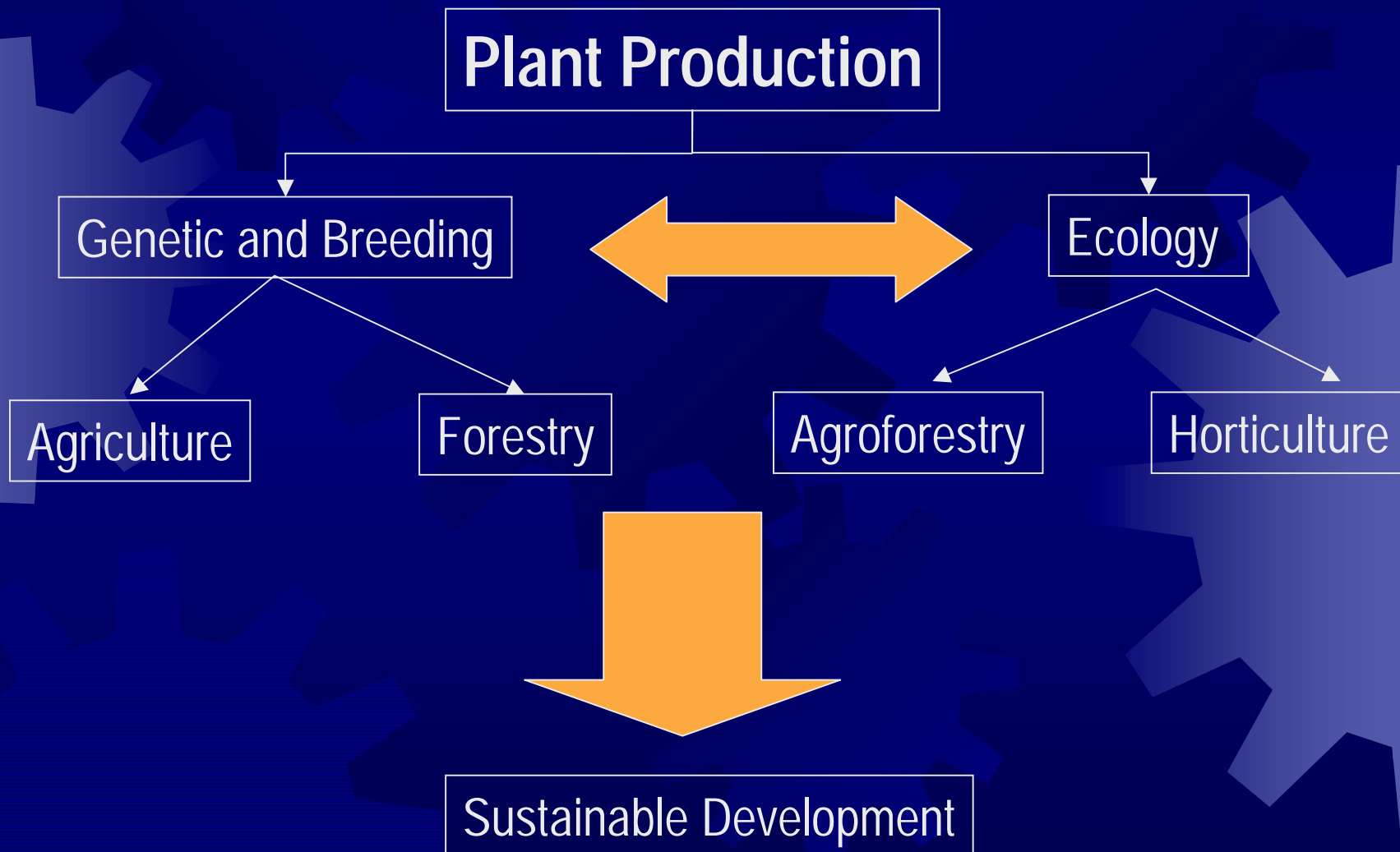


Forestry and Plant Prod

# Point out / Main Remarks:

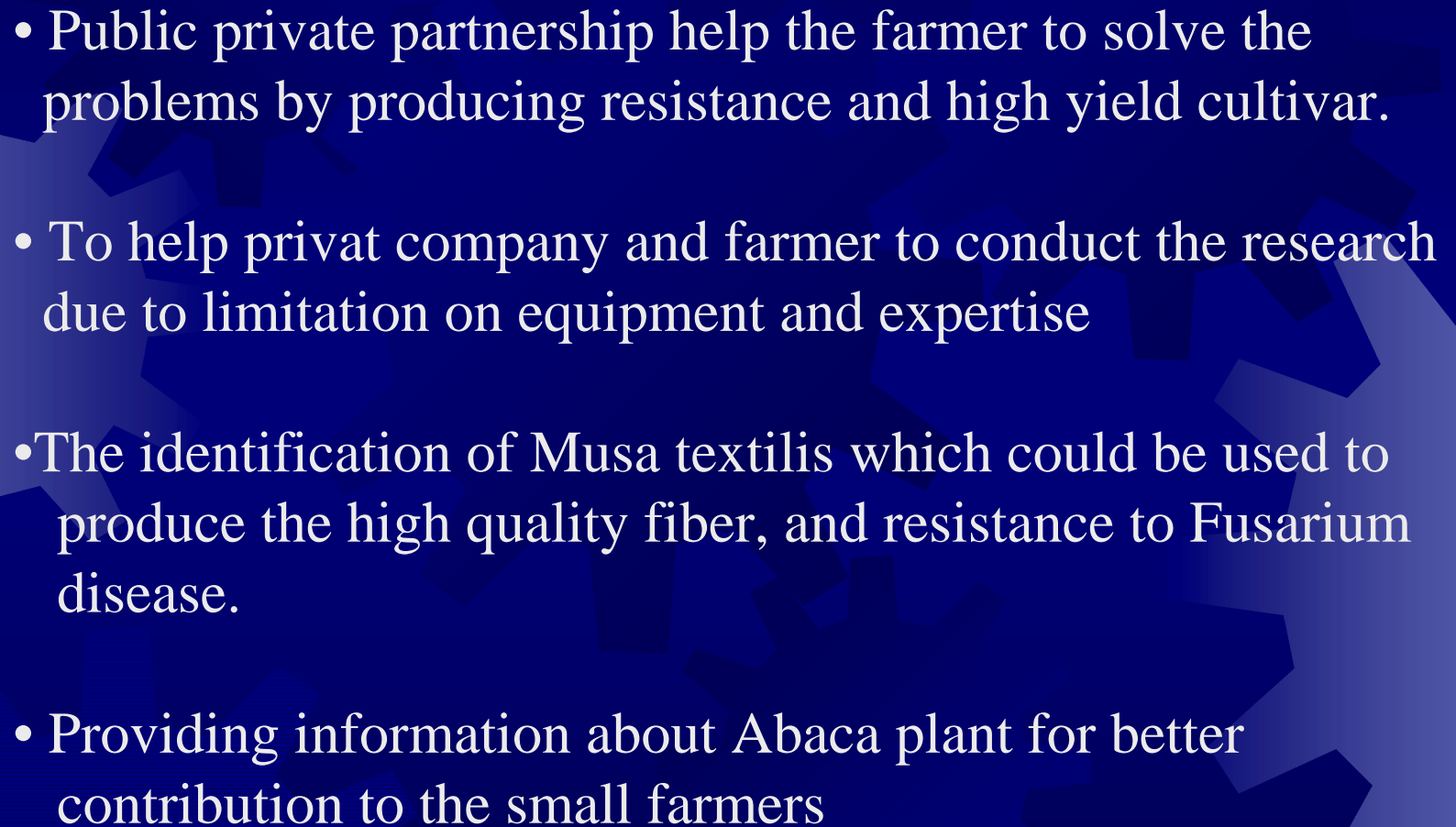
- The most content of the presentations are discussing about the plants.
- Besides, there are more knowledge sharing among public and privat sectors.
- In general, most of them are still in preliminary step of research.
- The main goals of these activities are to increase productivity of plant production.

The scheme of this presentation is as follows :



# AGRICULTURE :

- The discovery of medicinal plants is related to the phenomenon of “back to nature” and recreate the knowledge and shared
- The existing of medicinal plants have to be explored and conserved carefully due to the lack of information on their utilization.
- The resource management in term of increasing the genetic variability of chrysant through mutation breeding
- Providing materials and technology for creating a new variety and may joint cooperation with privat sector for commercial purpose.
- Knowledge sharing through introducing technology and methodology of protoplast fusion with potato as a model plant that probably can be applied to another crops or private sector

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- Public private partnership help the farmer to solve the problems by producing resistance and high yield cultivar.
  - To help privat company and farmer to conduct the research due to limitation on equipment and expertise
  - The identification of *Musa textilis* which could be used to produce the high quality fiber, and resistance to Fusarium disease.
  - Providing information about Abaca plant for better contribution to the small farmers

# FORESTRY :

- Preserving genetic resources, the use of technology (genetic marker) and indigenous knowledge in conservation management
- Providing information on the patterns of genetic diversity
- Establishing a research cooperation (public-private partnership)
- Establishment of research and development center of a company in Indonesia for the forest resources management especially in teak and pines.



# AGROFORESTRY:

- Potential use of biomass restored in the fallow vegetation to improve agriculture production
- The management of fallow vegetation may contribute to conserve biodiversity in agriculture landscape



# HORTICULTURE :

- Ecological land zoning and critical agronomic analysis for fruit trees are necessary to be carried out due to the failure of plant to have good yield
- Increasing of public awareness to have a good production of fruit trees
- Establishment of ecological land zoning as a model that can be possible to be applied to other region.



# Thank you

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