

ASEAN Network on Microbial Utilization

+ RATIONALE

Importance of Microbial Resources





RATIONALE



Potential partners at the global stage that can be leveraged from an establishment of an ASEAN Network

- Asian Consortium for the Conservation and Sustainable Use of Microbial Resources (ACM)
- Asian Network of Research Resource Centers (ANRRC)
- World Data Centre for Microorganisms (WDCM)

ETC.



AIMS



- TO PROMOTE THE SUSTAINABLE USE OF MICROBES IN ASEAN COUNTRIES
- TO DEVELOP KNOWLEDGE SHARING HUB ON MICROBIAL EVALUATION AND UTILIZATION AMONG MEMBER COUNTRIES
- TO DEVELOP HUMAN RESOURCES IN THE FIELD OF MICROBIAL BIOTECHNOLOGY

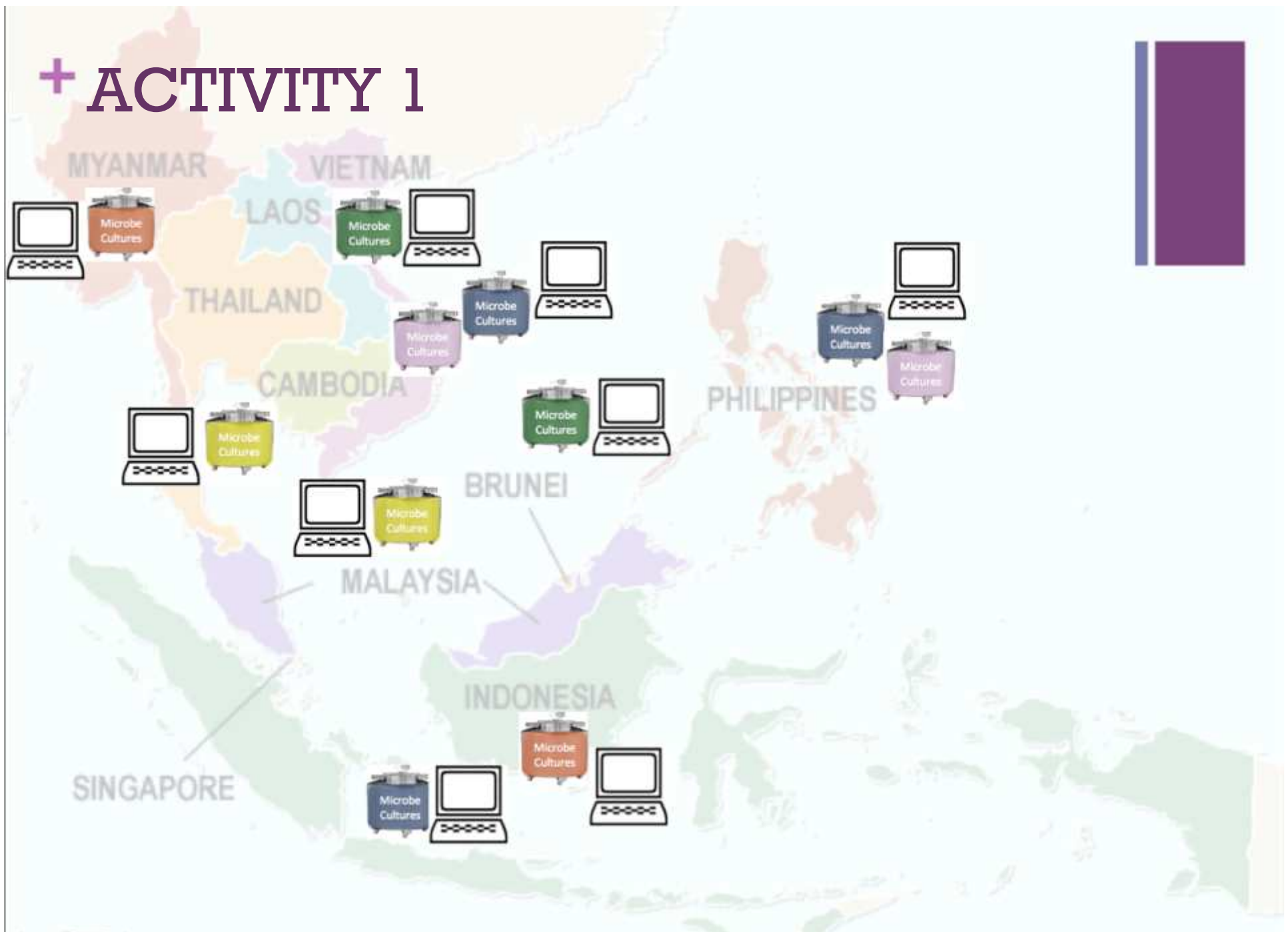


ACTIVITY 1



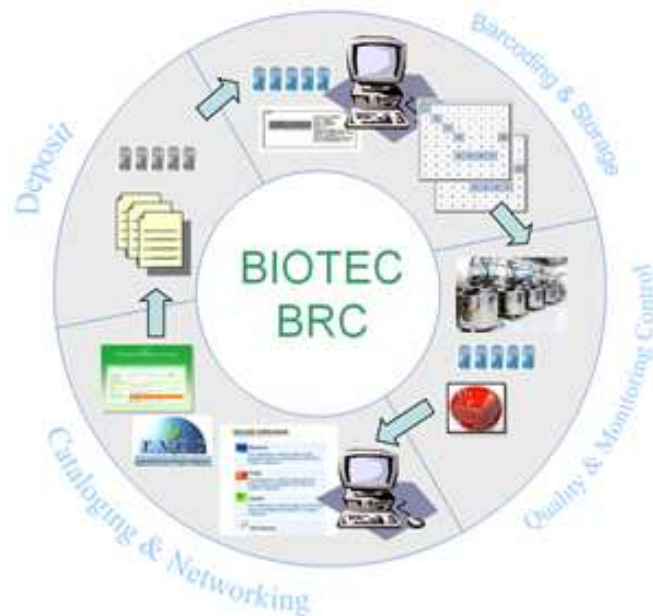
- TO FACILITATE THE ESTABLISHMENT OF MICROBE COLLECTION WITH POTENTIAL USE
 1. DATABASE MANAGEMENT PROGRAM WILL BE SET UP AND TRAINED
 2. FACILITATE THE CULTURE COLLECTION SET UP FOR THE MEMBERS

+ ACTIVITY 1



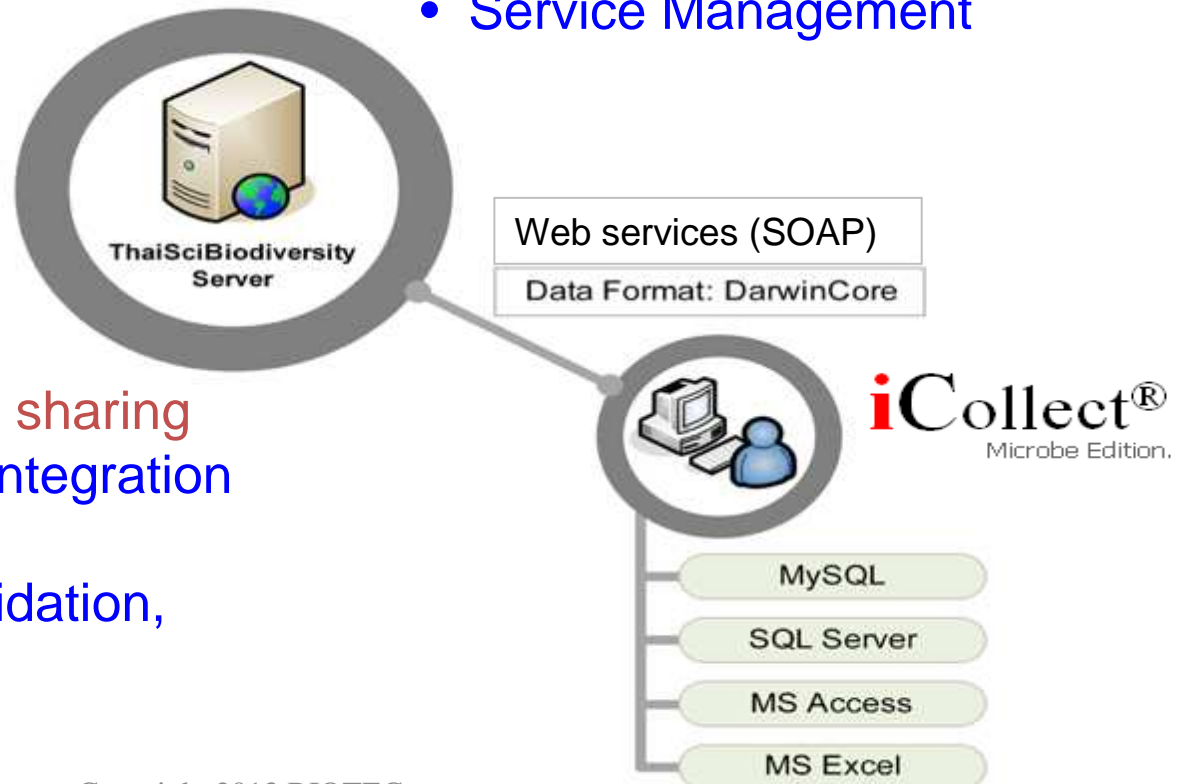
iCollect:

An Enhanced Solution for Biological Resources Management



Facilitate the workflow of BRC

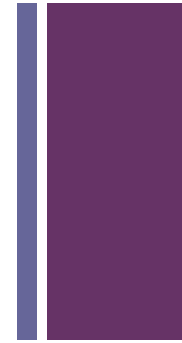
- Sample/Specimen Management
- Storage Management
- Quality Control
- Service Management



Enable cross-platform data sharing
Data Standardization and Integration
Control the quality of data
Data Verification & Validation,
Data Traceability



ACTIVITY 2



- TO SET UP THE WEB-BASED SYSTEM FOR KNOWLEDGE SHARING HUB IN ASEAN COUNTRIES
 1. SLIDES PRESENTATION ON RELATED TOPICS
 2. BLOGS and WEBINAR FOR TECHNICAL DISCUSSION
 3. KNOWLEDGE SHARING FOR MICROBES EVALUATION
 4. NEWS AND ANNOUNCEMENT



ACTIVITY 2

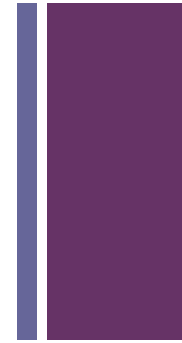


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ACTIVITY 3



- ESTABLISH THE TRAINING HUBS FOR VARIOUS TOPICS AMONG ASEAN COUNTRIES
 1. WORKSHOPS
 2. SHORT COURSE TRAINING

+ ACTIVITY 3

Trainings available at BIOTEC, Thailand

- Enzyme screening
- Bioactive compound screening
- Insect-biocontrol screening



Short course on “Curation and Management of Microbial Resources”



Workshop on entomopathogenic fungi



Lab training

- Mandalay Technological University
- Technological University, Kyaukse

Institute of Microbiology and Biotechnology, National University Hanoi

- University of Santo Tomas
- Natural Sciences Research Institute
- National Institute of Molecular Biology & Biotechnology (BIOTECH), University of the Philippines Los Banos

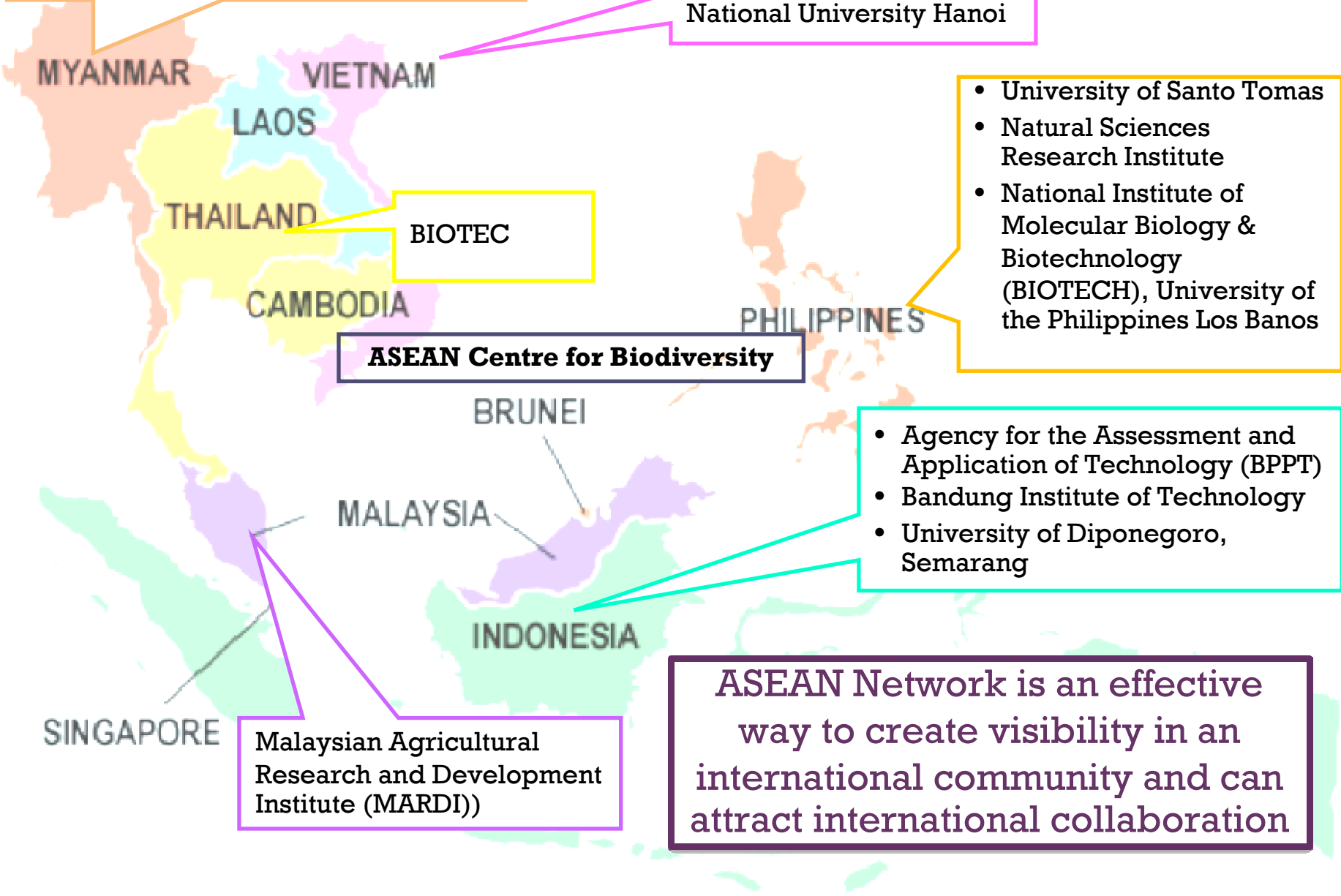
BIOTECH

ASEAN Centre for Biodiversity

- Agency for the Assessment and Application of Technology (BPPT)
- Bandung Institute of Technology
- University of Diponegoro, Semarang

Malaysian Agricultural Research and Development Institute (MARDI)

ASEAN Network is an effective way to create visibility in an international community and can attract international collaboration





AFFILIATION TO ASEAN BODY



- The establishment of this Network was endorsed by ASEAN Sub Committee on Biotechnology in October 2013.
- The endorsement will raise the profile of the Network and attract collaboration from international organizations.



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