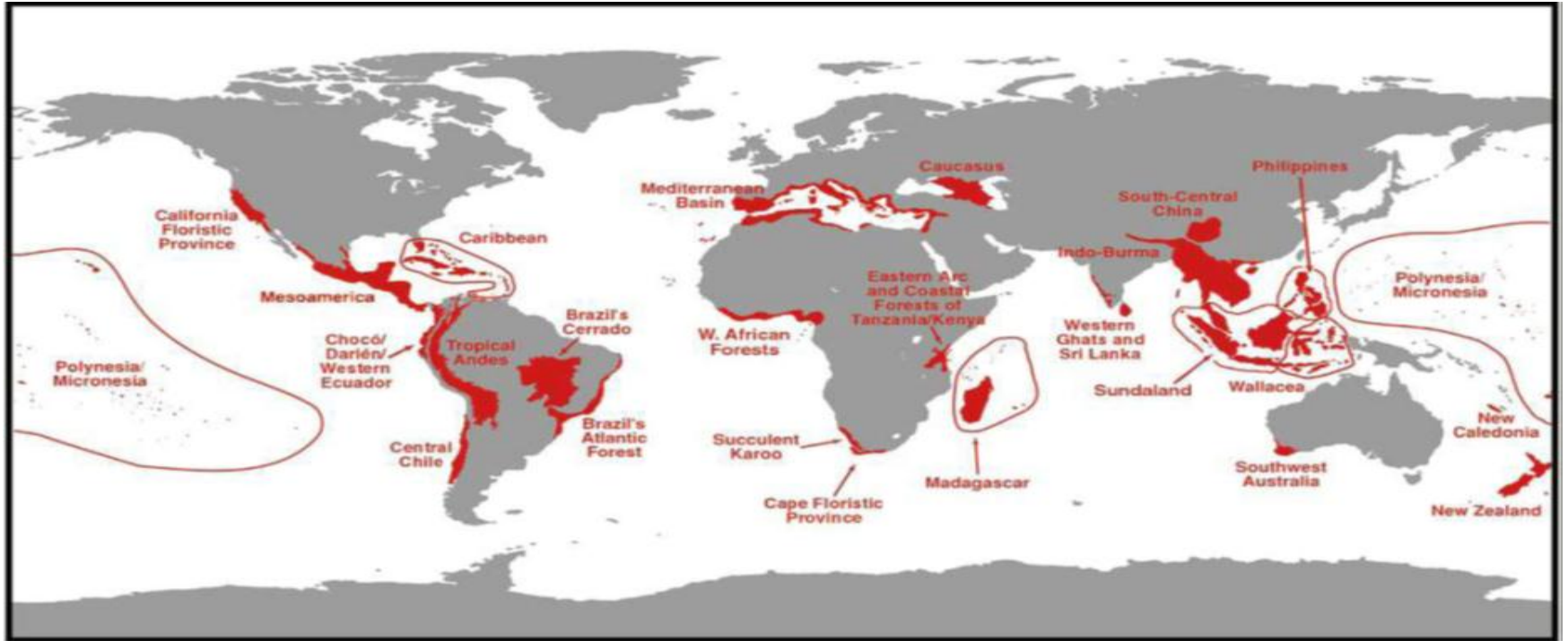




***Working in Partnership with CABI –
Brunei Darussalam***



- ✓ FOREST RESOURCES
- ✓ RESEARCH INFRASTRUCTURE
- ✓ NEW COLLABORATION
- ✓ MILESTONES & ACTIVITIES
- ✓ EXPECTED OUTPUTS



Hotspots were estimated to hold 44% of all plant species

The “leaders”: Madagascar, Philippines and Sundaland (5% of global total plants)

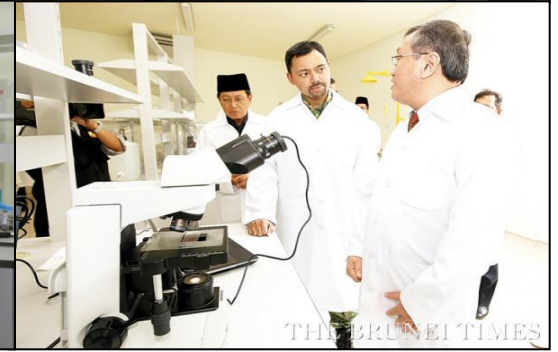


FOREST COVER

FOREST CLASSIFICATION	% Total Land Area
Protection forest	3
Conservation Forest	28
National Park	8
Recreation Forest	1
Additional Forested State Land (including Plantation Forest)	35
TOTAL	75%



The Brunei Darussalam Biological Resource Centre





RESEARCH INFRASTRUCTURE



Tropical Biodiversity Centre

- ✓ Database
- ✓ Centralize R & D on terrestrial diversity
- ✓ Centre for national & international networking (global information sharing) on Brunei's marine biodiversity
- ✓ MTA issuance

Biological Resources Centre

- ✓ Database , depository and service provider for microbes
- ✓ Centralize R & D on microbial diversity
- ✓ Centre for national & international networking (global information sharing) on Brunei's microbial diversity
- ✓ MTA issuance

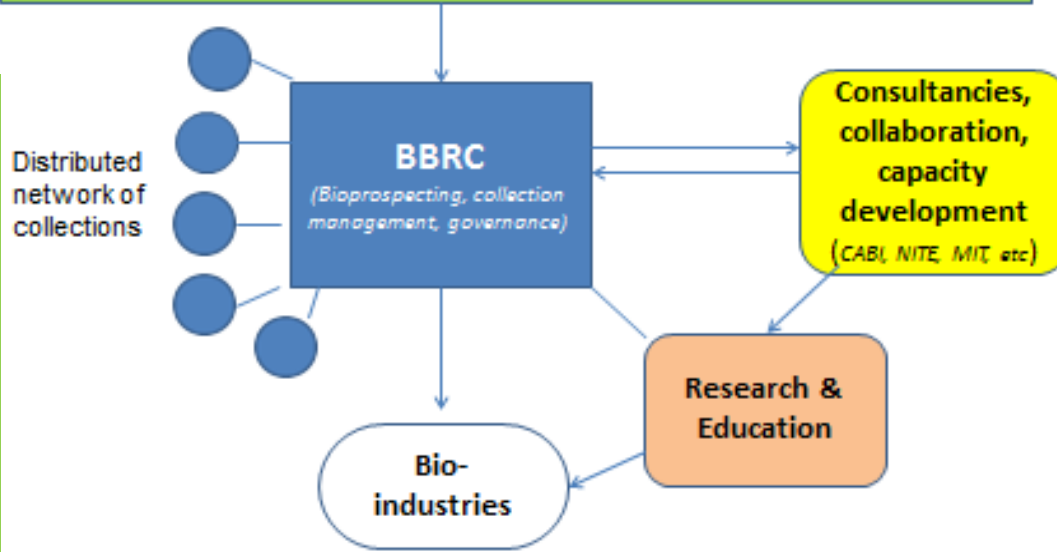


Role of Biodiversity and Its Components

- *The sustainable development and wise use of biodiversity resources and its components are vital. These will meet the crucial and continuous needs of the growing population of the country for food, healthy living conditions and good health.*
- *An intrinsic, complex and bio-diverse ecosystem has a high ecological value that provides a bank of genetic resources, derivatives, and habitats for highly diverse flora and fauna species. These are of economic, educational, scientific and environmental value, as well as having cultural, recreational and aesthetic value as attractions for nature and ecotourism activities.*
- *High biodiversity areas provide sites for the continuous evolution and life-sustaining systems of the earth.*



Heart of Borneo



Agrotech Park



The BBRC and national economic development – a vision

Establishment of the BBRC is considered in the broad context of national economic development:

- facilitating conservation of an important component of Brunei Darussalam's rich natural resources,
- creating an enabling environment for its sustainable use in creating niche bio-industries,
- forging strong linkages with international agencies and their experts, and
- creating new opportunities for human capacity development
- driving innovation and accelerating discovery



History of membership and partnership with CABI

- Signed CABI Agreement on 5th January 1989
- First collaborative project in 2005 on reduction of pesticide use/IPM in agriculture
- 3 projects completed since, another 4 on-going with Department of Agriculture and Agrifood
- Raised level of collaboration with signing of MOU with Ministry of Industry and Primary Resources (MIPR) on Cooperation in Development of Biological Resource on 27 April 2013



SIGNING CEREMONY - MIPR & CABI (27 APRIL 2013)





SCOPE AND AREAS OF COOPERATION

- Cooperation on the establishment of the Brunei Darussalam Biological Resource Centre;
- Assist in the identification and characterization of Brunei Darussalam microbiota associated with forests and plants ;
- Assist in establishing a business plan for long-term viability of commercialization of the collections;
- Development of Brunei Darussalam national microbial database; and
- Exchange of expertise and knowledge through joint training.



A Vision of the MIPR-CABI Partnership

- National development partner – from project formulation to implementation
- Regional development assistance partner – implementing Brunei Darussalam's foreign assistance priority objectives
- Joint laboratories for R&D and project implementation – working alongside local counterparts



Visit of CABI CEO to MIPR & BIORIC





Expected outputs/outcomes

- A permanent biological resource collection facility in Brunei Darussalam for the conservation of microorganisms, operating on a quality management system with a business plan for long-term viability;
- A network of Brunei Centres of Excellence in Microbiology supported by the BBRC, linked through common standards of operation and management and an integrated national database of microbiological resource, with linkages to international academia, industry and culture collections;



Expected outputs/outcomes

- Supports BIORIC as the nucleus of a national development framework that links Brunei Darussalam's rich natural resources to the development of bio-industries, human capacity development and creation and diversification of employment opportunities;
- Brunei Darussalam, through innovation and discovery, utilizes its own indigenous microbial diversity to stimulate bio-industrial development in agriculture, environment, food, forestry and public health sectors for the benefit of the population;
- Brunei Darussalam reinforces its leadership role in conservation and sustainable development through the HoB Project;



Some recent collaborations with CABI



THE ESTABLISHMENT OF PLANT AND ANIMAL QUARANTINE SERVICES AND FACILITIES IN BRUNEI DARUSSALAM

DISTRIBUTION, GENETIC DIVERSITY AND DEVELOPMENT OF INDIGENOUS FRUIT SPECIES IN BRUNEI DARUSSALAM



Thank You



Thank You