

# 2<sup>nd</sup> ASEAN China International Bioinformatics Workshop

## **Bioinformatics Development in Brunei Darussalam**

# Facilities

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- Universiti Brunei Darussalam (UBD)
  - + Faculty of Science and Engineering
    - Biology Department
    - Computer Science Department
- DNA Analysis System
- Biological database server ?



# Research

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- Fish phylogenetics
- Local medicinal plants
  - + Chemical analysis and bioassays
- Ecology and biodiversity
  - + Primates, bats
  - + Ferns
  - + Frogs
  - + Marine invertebrates



# Education

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- BSc Biological Sciences
- BSc Biotechnology (twinning)
  - + Bioinformatics contents in several courses
- PhD student
  - + Small mammal community structure



# Kuala Belalong Field Study Centre

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- Set up by UBD in 1991
- Located in the Temburong District in the Ulu Temburong National Park
- Important centre for research and education



# Heart of Borneo

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- Conservation programme from 3 countries
  - + Brunei, Indonesia and Malaysia
- 220,000 sq km (2 million hectares) of equatorial rainforests
  - + 221 species of mammals
  - + 620 species of birds
  - + 15,000 plant species
  - + 150+ species of dipterocarp trees
  - + 361 new species have been found over the past ten years



# Heart of Borneo

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# Heart of Borneo

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- Brunei's HoB

- + HoB Centre for Brunei Darussalam

- To ensure effective implementation of Brunei HoB

- + HoB National Council

- To provide policy guidance to HoB Centre

- + A roadmap mapped out

- Include examples of all of Brunei's forest types, ranging from the mountains to the mangroves, and including some of the best peat swamp forests



*Thank You!*

