



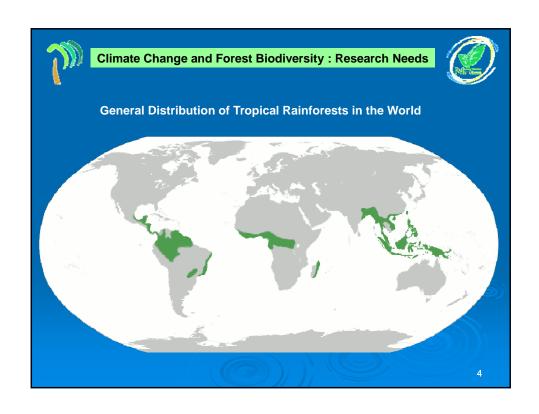
# Climate Change and Forest Biodiversity : Research Needs

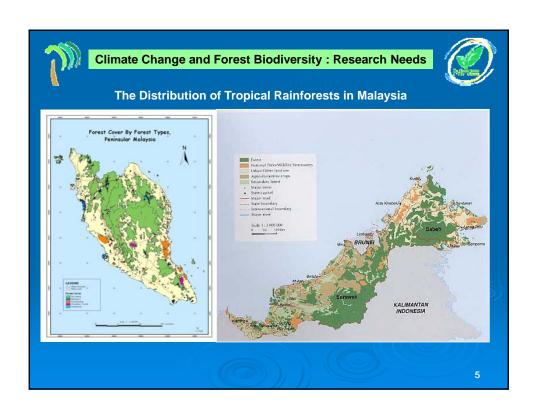


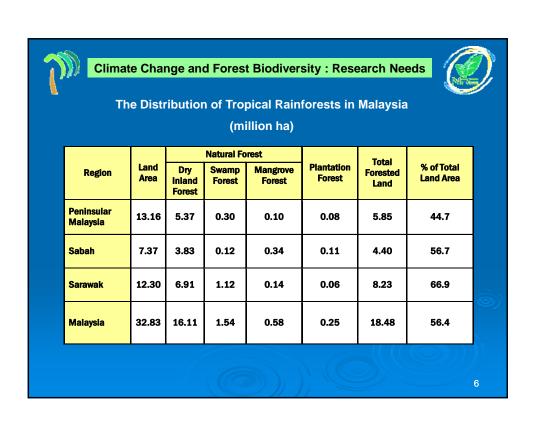
# 1.0 The Importance of Biodiversity in the Tropics

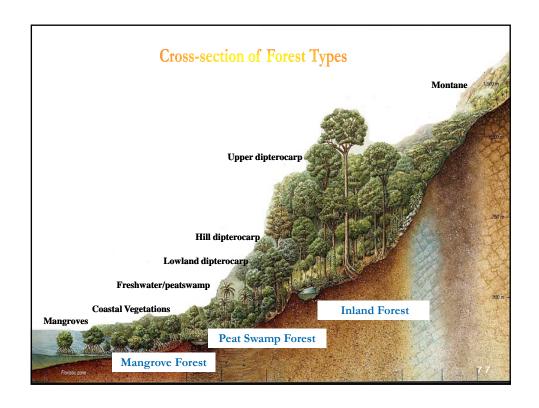
- Biodiversity has been defined as the degree of variation of life forms within a given ecosystem, biome, or in an entire planet.
- In term of terrestrial ecosystem, the tropical rainforests biodiversity has been considered as one of the most complex forest ecosystem in the world.
- Biodiversity can be used as one measure of the health of ecosystems.
- Malaysia is very fortunate to be endowed with large tract of tropical rainforests, which is rich in wide variety of flora and fauna.

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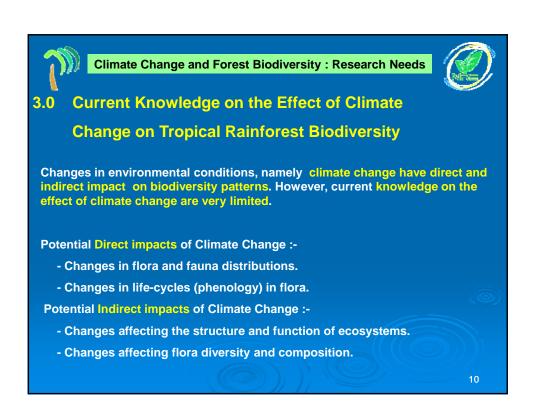


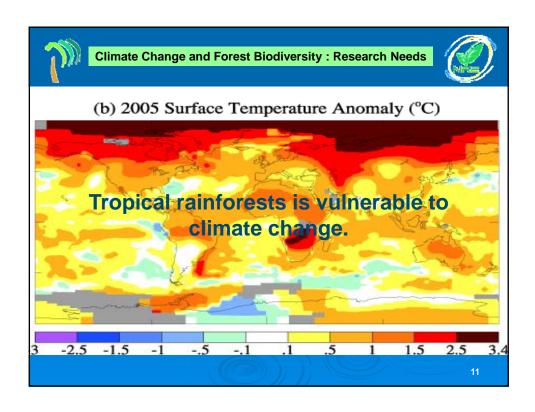


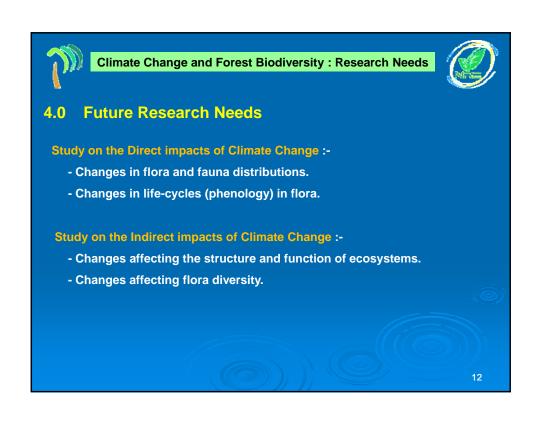














#### Climate Change and Forest Biodiversity : Research Needs



### 5.0 Future Strategies

Malaysia's National Policy on Biological Diversity, 1998: aims .....

"To conserve Malaysia's biological diversity and to ensure that it's components are utilised in a sustainable manner for the continued progress and socio-economic development of the nation"

Biological Diversity has the significant contribution to :-

- (i) Economic benefits;
- (ii) Food Security;
- (iii) Environmental Stability;
- (iv) National Biological Heritage;
- (v) Scientific, Educational and Recreational Values; and
- (vi) Bio-Safety.

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## 5.0 Future Strategies (continues....)

The Establishment of Malaysian Biodiversity Communication and Action Plan, aim to halt the loss of biodiversity.

Undertaking Ecosystem Assessment aim to provide a comprehensive appraisal of the consequence of ecosystem change for human well-being.

Undertaking robust forest biodiversity conservation and protection programmes to reverse the loss of flora and fauna diversity.

Undertaking robust R&D programmes on the effect of climate change on the forest biodiversity.

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# 6.0 Conclusion and Recommendation

Tropical rain forests will continue to play it's crucial role and contribute significantly to the socio-economic development of the country (in terms of tangible and intangible values for the human livelihood).

The richness (Mega-Diversity) of the tropical rain forests will continue to provide wide ranging of uses and benefits for present and future generations as well as for human well-being.

Thus, it is imperative and crucial to undertake R&D works to study the direct and indirect effect of climate change on forest biodiversity, as our tropical rainforests is vulnerable to climate change.

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