







Contribution of Biosphere Reserve Toward Achieving Sustainable Development Goals and Targets

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Regional Workshop - Facility for Accelerating Science and Technology (FAST) to Foster the Implementation of the Sustainable Development Goals, Timor-







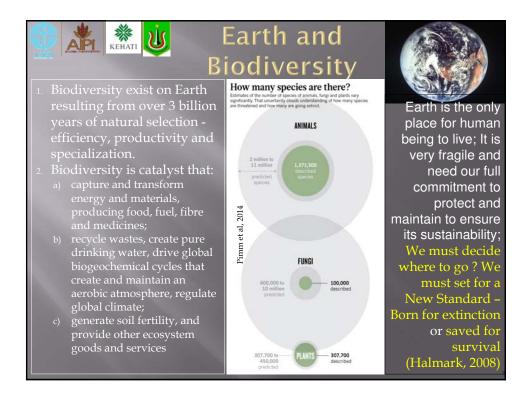


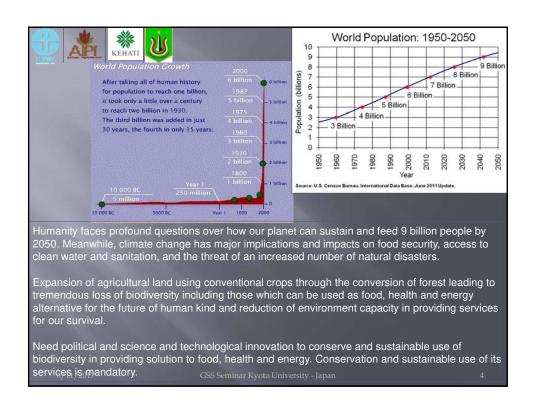
SDGs: End poverty, End hunger, Healthy Lives, Water and Sanitation, Energy, Sustainable Economic Growth, Sustainable Consumption and Production, Climate Change, Marine resources, Terrestrial Ecosystems, Desertification, Biodiversity loss etc. (17 Goals/162

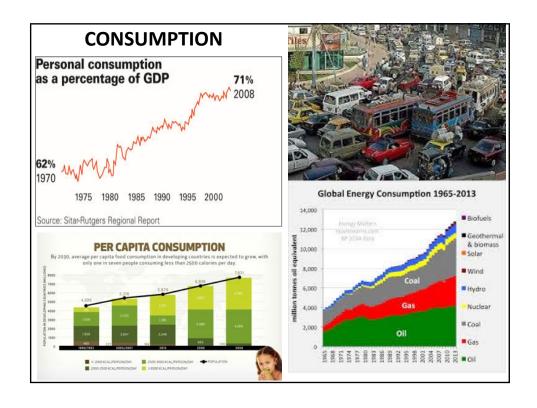
.. BIODIVERSITY is a fundamental to sustain the function of ecosystem and to protect Earth Planet, to maintain life, to provide food, medicine, energy and other human need, to manage water, nutrient cycles, formation of soil, fixing carbon, maintaining global climate, spiritual sources, education, development of sciences, aesthetics ...

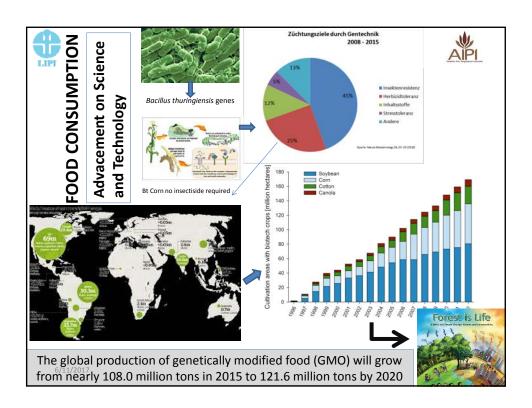


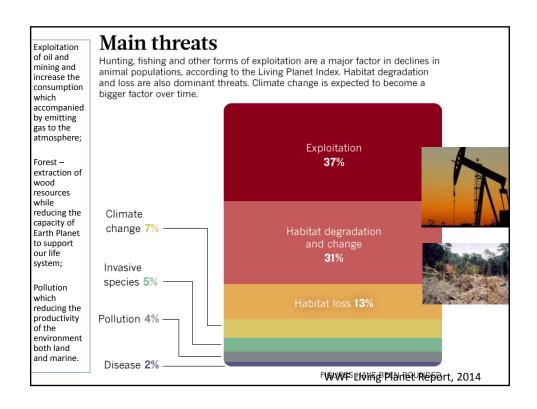




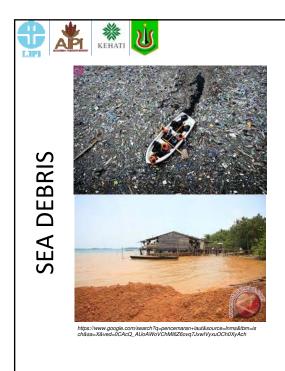








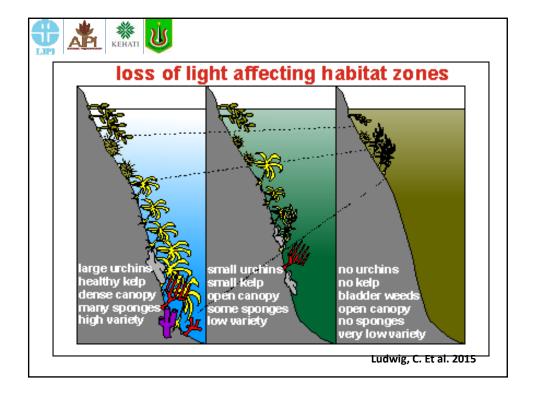


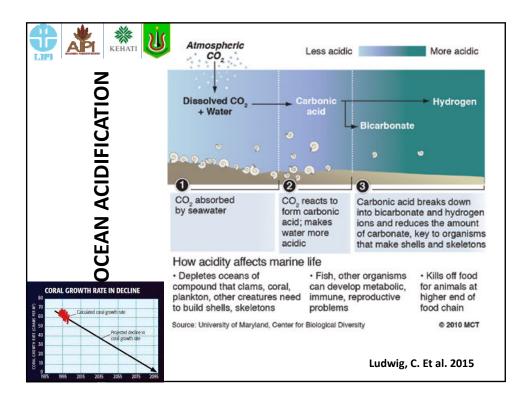


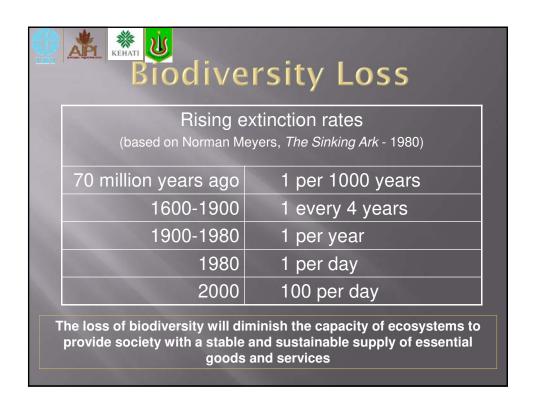
In recent years plastic pollution in the ocean has become a significant environmental concern; Six years research of Gyres Institute estimated that over 5 trillion plastic particles are floating on the surface of the sea.



Sangata river - East Kalimantan







Why the lost of biological diversity must be stopped?

The worst thing that can happen – hill happen in the 1980s – is not energy depletion, economic collapse, limited nuclear war, or conquest by a totalitarian government. As terrible as these catastrophes would be for us, they can be repaired within a few generations. The one process ongoing in the 1980s that will take millions of years to correct is the loss of genetic and species diversity by the destruction of natural habitats. This is the folly our descendants are least likely to forgive us (Wilson, 1980).





The United Nations Conference on Environment and Development (UNCED), also known as the Rio de Janeiro Earth Summit, Rio Summit, Rio Conference, and Earth Summit, was a major <u>United Nations conference</u> held in Rio de Janeiro from 3 to 14 June 1992.

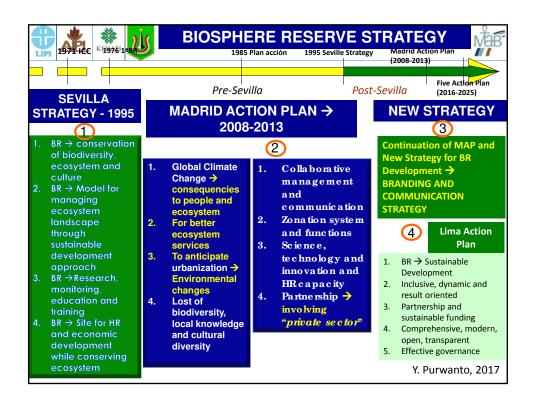
- The Earth Summit resulted in the following documents:
 - Rio Declaration on Environment and Development^[3]
 - Agenda 21
 - Forest Principles
- Moreover, important legally binding agreements (<u>Rio</u> <u>Convention</u>) were opened for signature:
 - Convention on Biological Diversity^[6]
 - Framework Convention on Climate Change (UNFCCC)
 - <u>United Nations Convention to Combat Desertification</u>



ि कि क्रिंग <mark>७</mark> Rationalities in Decision Making Process

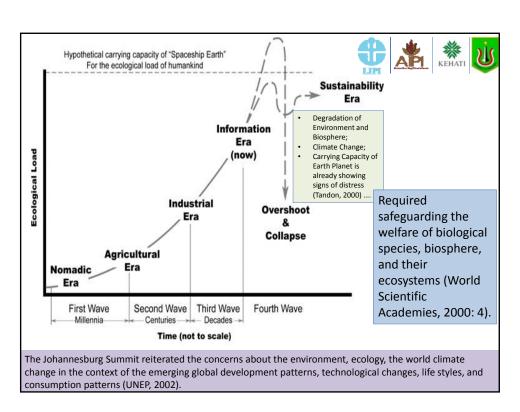
- In common decision-making arenas, technological, political and ethical rationalities impinge upon one another, not in the mode of horizontal mutuality, but at cross-purposes and in a vertical pattern,
- Each brand of thinking tends to approach the others in reductionist fashion. Each seeks to get the other "partners" to accept its own favored ground rules, such conflict is guaranteed to produce bad decisions,
- Good decisions need to display many qualities, and authentic dialogue where exchanges are circular and reciprocal, not vertical and reductionist; **BR Concept** may accommodate this situation

Biosphere Reserve -**Challenge and Opportunity** CONSERVATION BR is a concept to harmonize the conservation and sustainable development, BR has a Multi Stake Holders Management Board to plan and to execute programs activities to protect biodiversity and the function of ecosystem while building Structure of a model biosphere reserve. sustainable economic benefiting all stake holders, BR program activities is based on democracy, SETI, Cultural and Ethics Transition Area Human Settlement supported by government policy and proper investment to support implementation and Education / Trainin achieving SDGs targets. Tourism / Recreation









Summary

- MAB Programme activities should be connected and linked strongly to the SDGs issues at global level, region, as well as member states,
- Science, Engineering, Technology and Innovation (SETI) founded by strong ethical and cultural influence supported by proper political and investment policy is mandatory and MAB Programme activities may able to help member states to accelerate the achievement of SDG.

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