

Another Example of Community Development and Conservation of Biodiversity

Sabah's experience and practice for sustainable
development and conservation
Sabah Case Study JICA-SDBEC



Outline

- Overview of Sabah and SDBEC
- Pilot Activity at Kg.Tudan, Tuaran District
- Towards Sustainability



Forest in Sabah



- 86 % coverage in 1972
→ Today 50%
(70% in Sarawak, 67% in Japan)
- a large area of forest
→ degraded
→ commercial value: decreasing
→ timber export industry:
decline
- Today 4 % of GDP



Oil plantation



- A large scale
- Mono-culture type
- 20% of total area (Sabah)
- Biggest economy



potato chips 50g \rightarrow 7.2g palm oil

potato chip 1 piece \rightarrow land of 6cm²

Issue ① : Biodiversity loss



Land transformation
(forest area is converted to
agricultural land.)

Fauna and Flora loss



Issue ② : Deterioration of forest watershed protection function



Often flood

Soil comes into river

A lack of water for living

Issue③ : Preservation of traditional knowledge



Population has been decreasing

Especially, younger generation moves to city for jobs and study

Issue④ : Poverty



20 % in Sabah: poor

No access to social service

No chances to participate
in the social events



No land for livelihood

Overview of SDBEC

Project Description

Project Title

Project on **S**ustainable **D**evelopment for **B**iodiversity and **E**cosystems **C**onservation
(**SDBEC**)

Project Purpose

Biodiversity and ecosystem conservation for sustainable development in Sabah is promoted with national and international recognition.

Project Outputs

The Project is expected to achieve the following two (2) outputs:

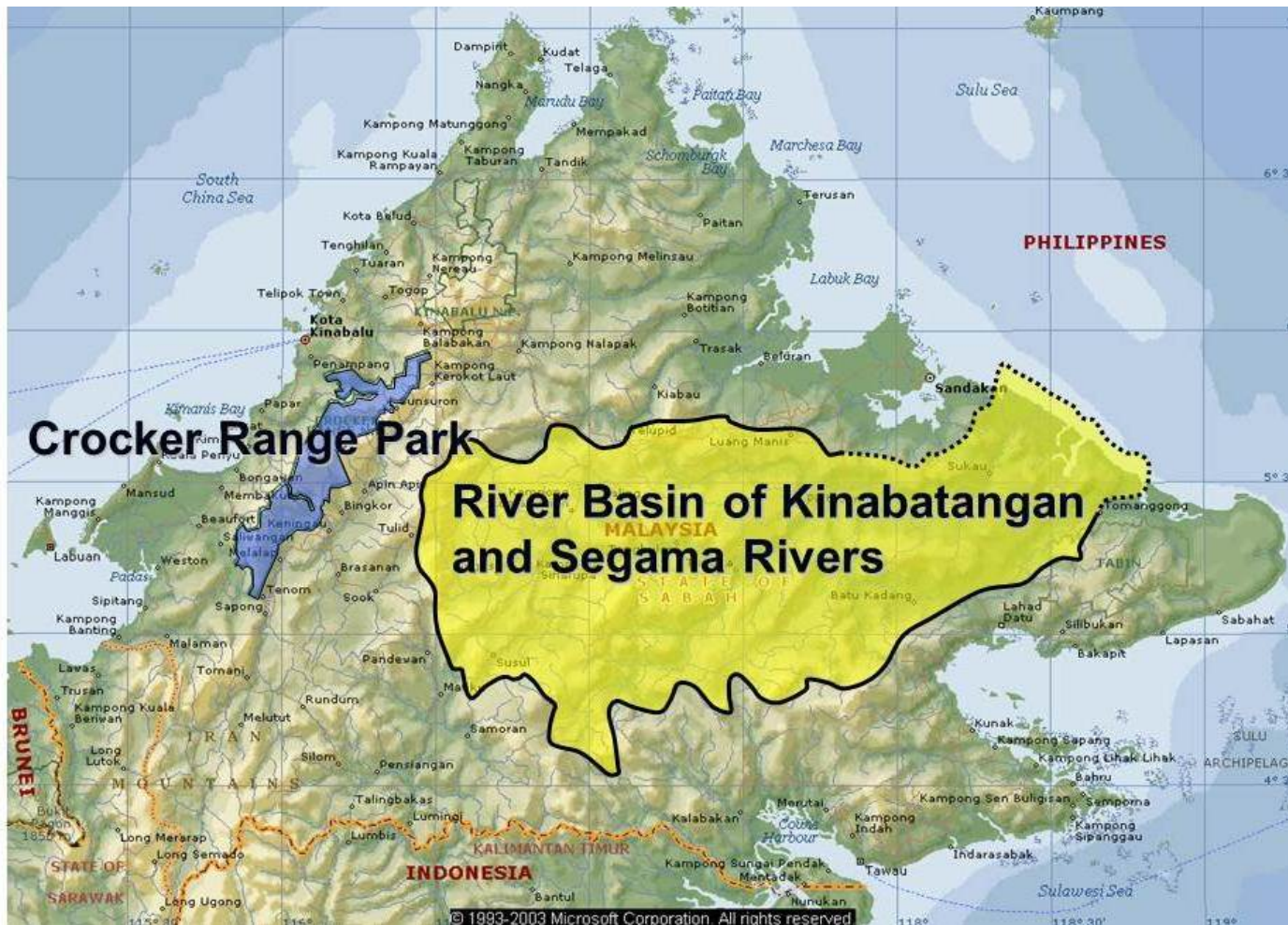
- Output 1: Management system of biodiversity and ecosystem conservation in Sabah is strengthened.
- Output 2: The Sabah's experiences in biodiversity and ecosystem conservation are shared nationally and internationally.

Project Period

4 years

Project site

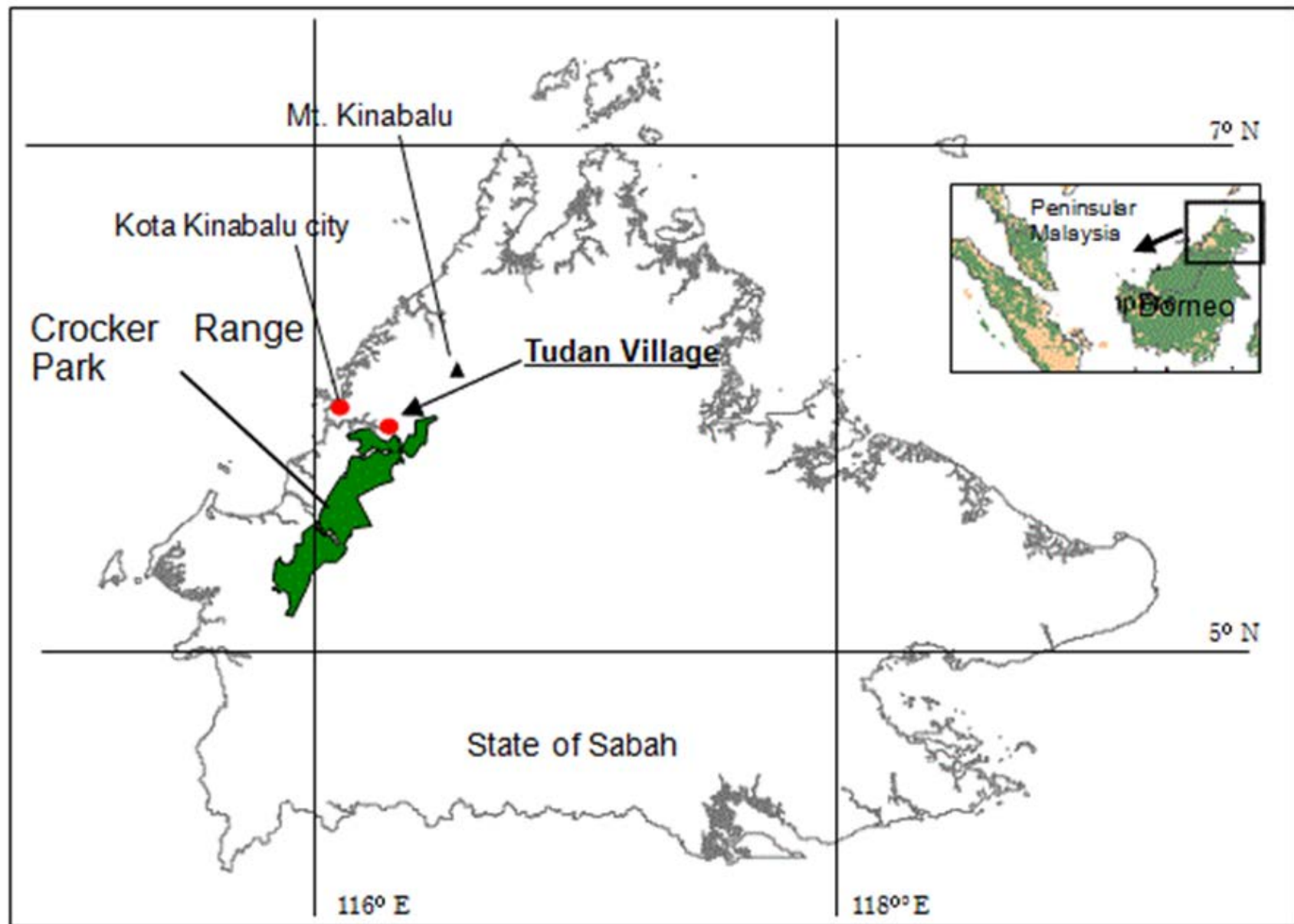
- 1) Core and Buffer Zones of Lower Kinabatangan and Segama Wetlands (LKSJ)— Ramsar Site and its River Basin (approximately 3,000,000 Ha) and
- 2) Core, Buffer and Transition Zones of Croker Range Biosphere Reserve (CRBR) under UNESCO Man and Biosphere Programme (approximately 350,000 Ha)



UNESCO approves Crocker Range as a biosphere reserve



The Crocker Range biosphere reserve is located at the West Coast of Sabah (north of Borneo), southern part of the Mount Kinabalu (World Heritage Site), and stretches about 120 km north and south and 40 km east and west.



A society in harmony with Nature (Tudan Village in the buffer zone of MAB)

Issues/Challenges

- Steep slope
- Less job opportunities
- Income generation
- Access to the market
- Transparent of decision-making process



Strengths/opportunities

- Pristine environment (water, soil and forest)
- Farming with limited impact on soil fertility and stability
- Traditional knowledge



- Soil improvement
- Livelihood improvement
- Protection and utilization of local knowledge

Making Compost

P, K and Ca → not sufficient !

Soil improvement is indispensable and urgent.



dried wood, bamboo, fruit
(damaged and/or rotten
one), kitchen waste etc.



Compost
(phosphorus
fertilizer)

compost



bamboo



Bio-char

Pilot Project Activities at Kg.Tudan

Progress: Demonstrating effectiveness of compost



Apiculture (bee keeping)

Conservation for riparian area

Protection of traditional knowledge



Mulberry

New alternative for livelihood improvement



Awareness



Waste management demonstration
River Environmental Education

Capacity Building

- Community researchers are appointed.
- A variety of opportunities for learning (how to get information, how to translate and analyze data, how to communicate with people etc.) were given.



Support for Women Group

- Homestay/eco-tourim
- Expanding Fresh vegetable market



Communication Tools: PR Goods



Poster
Activity Profile
Booklet



Study: Check List

Collages

27 images, September, 2014



In future

Marketing Sustainable Agriculture



Diperbuat daripada buah segar

MULBERRI JAM

FAKTA
Buah mulberry kampung tudan kiulu kaya dengan pelbagai vitamin ia juga di usahakan secara organik oleh pengusaha-pengusaha yang mana kualitinya amat ditirukberatkan semasa proses mengutip dan memproses buah.

Dibawah khidmat nasihat
Japan International Cooperation Agency (JICA)



Towards Sustainable Society

JICA's Contribution

Sustainable Society

A society in harmony with Nature

Livelihood improvement
Environment Conservation

Recycling Society

Compost making

Low carbon society

Sustainable forest management



Sustainable Society



City

- Compost material
- Energy
- Technical and financial support

- Provide food, water and any natural resources
- Provide place for education, research and recreation



Rural

Thank you!

Let's work together!



<https://www.facebook.com/jica.sdbec>