

Educating for a better environment: the RDC's experience in ESD

Loraiti Lolin
Rainforest Discovery Centre,
Sabah Forestry Department



What will I talk about?

- Introduction:

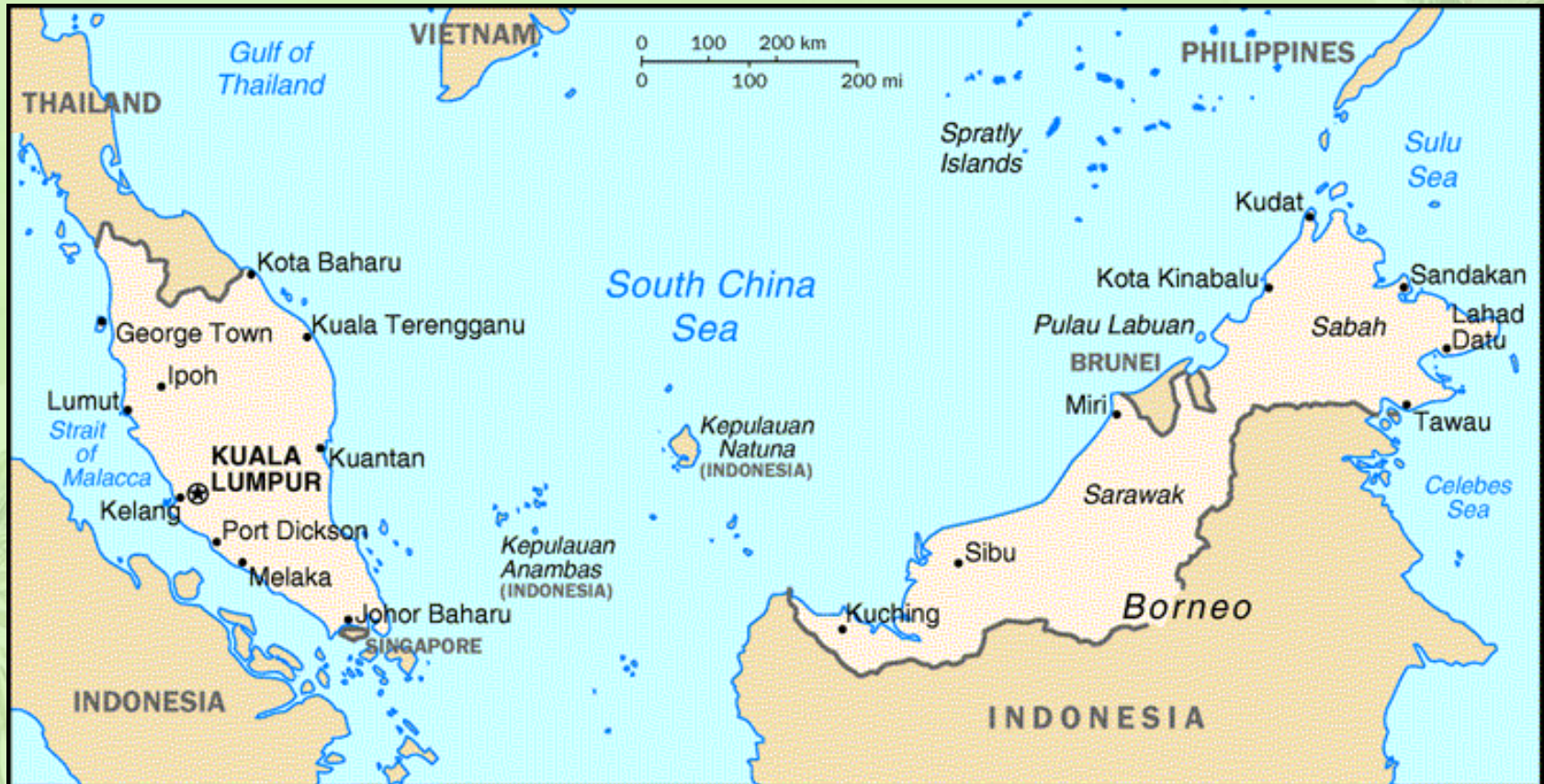
- Malaysia, Sabah
- Sabah Forestry Department
- Rainforest Discovery Centre (RDC)...where I am working now..

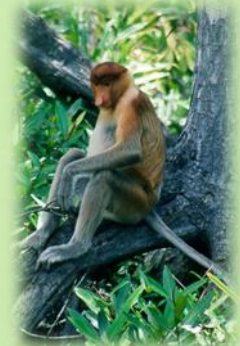
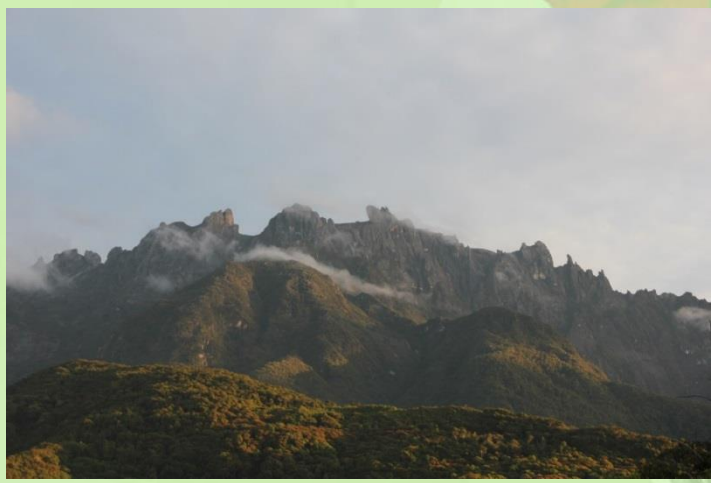
- Our EE Programme in ESD

- Students (pre-school to secondary)
- Teacher training courses (courses in EE: EERace)
- Sepilok Jr Rangers
- Our main challenge in ESD
 - SCRAP



Map of Malaysia-Sabah-Sandakan





Sabah Forestry Department



SCIENTIFIC CERTIFICATION SYSTEMS

Sabah Forestry Department

Locked Bag No. 06, Sandakan, Sabah, Malaysia
on FMRUTA involving 3000 hectares.

For the following product(s):
Logs of *Parashorea malanongan*, *Shorea macroptera*, *Dryobalanops lanceolata*,
Dipterocarpus confertus, *Shorea exaltata*, and other merchantable species.

This product meets all of the necessary qualifications to be certified for the following claim:
Well Managed Forest Certification

This company or dealer has been shown to meet all of the necessary qualifications to be certified as a Well-Managed Forest in accordance with the Forest Stewardship Council's Principles and Criteria as elaborated by the FCP Forestry Standard for Forest Management Certification in Malaysia Under the Forest Stewardship Council.

Registration # SCS-FM/COG-00136N
Valid from: 1 Jun, 2011 to 31 May, 2016

Robert J. Hatcher
Robert J. Hatcher, PhD, Senior Vice President
Scientific Certification Systems
3000 Avenida Street, Suite 600, Folsomville, CA 94608 USA

 SCIENTIFIC CERTIFICATION SYSTEMS
Setting the standard for sustainability™



The Rainforest Discovery Centre



A bit about the RDC

- A centre for EE under the SFD
- How do we do EE?
- EE for:
 - Students
 - EE for teachers
- Sepilok Jr Rangers
- Our main challenge in ESD
 - Sandakan Community Recycling Action Program (SCRAP)



How do we educate?

Knowledge on natural resources

- Water
- Forests
- Mangroves
- Marine life
- Animals

Environmental Ethics

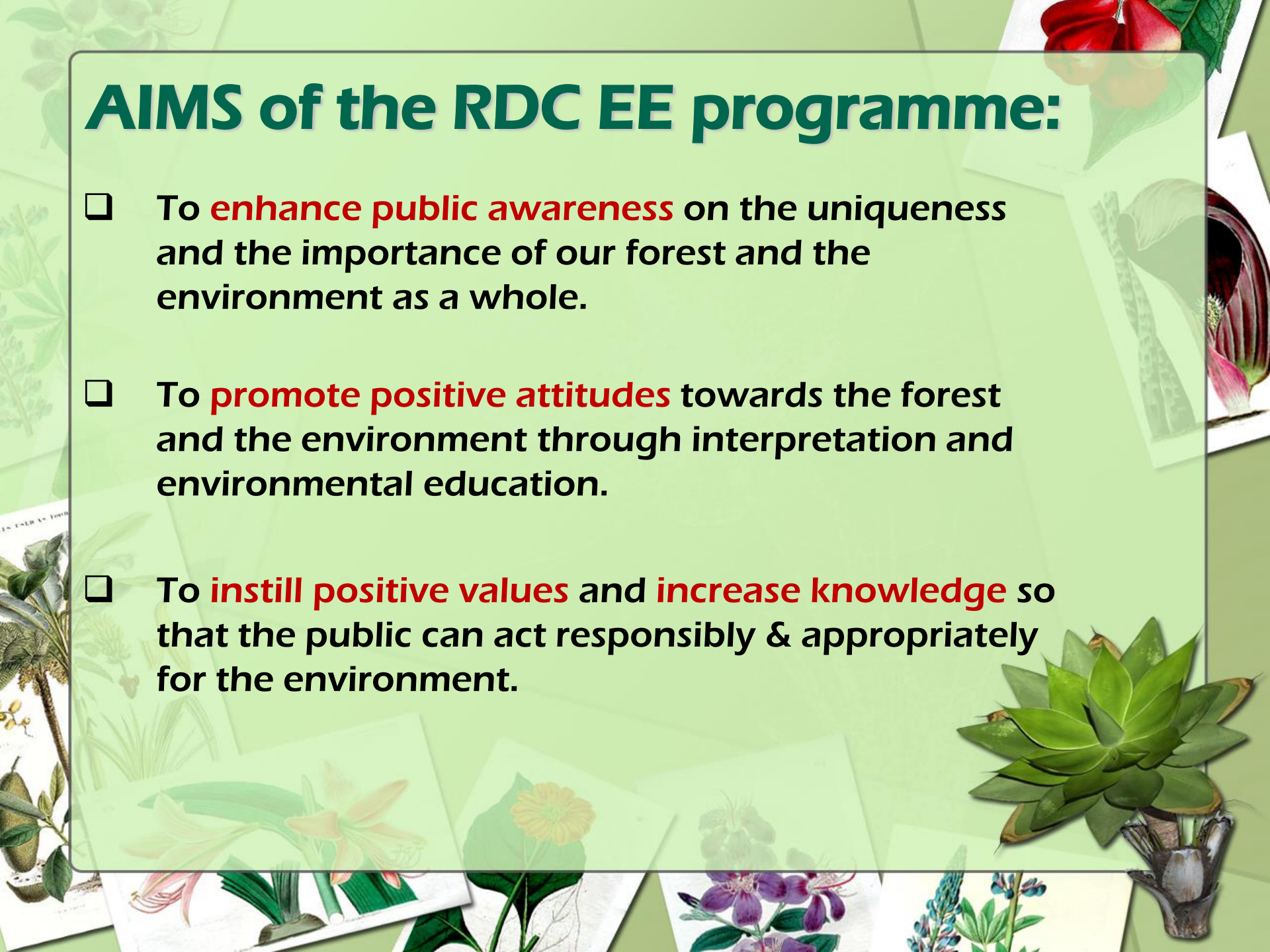
- Care
- Appreciate
- Love

ESD

- Sustainable use of natural resources

AIMS of the RDC EE programme:

- ❑ To **enhance public awareness** on the uniqueness and the importance of our forest and the environment as a whole.
- ❑ To **promote positive attitudes** towards the forest and the environment through interpretation and environmental education.
- ❑ To **instill positive values** and **increase knowledge** so that the public can act responsibly & appropriately for the environment.



ESD with primary school students

A bit of introduction to sustainability:

- Play games and hands-on activities to introduce concepts, for eg. sustainability of forest and other natural resources.



ESD with secondary school students

Promoting critical thinking via games on solving environmental issues.

For e.g.

❑ sustainable forest management



Rainforest Discovery Centre - KEEP

Sustainability:

- Marine and freshwater fish resources
- Soil conservation in farmlands (organic tea)



Rainforest Discovery Centre - KEEP

Importance of Sustainable Forest Management for wildlife:

- Orangutan
- Sunbear



Heart of Borneo (HoB) Roadshow

To promote awareness of what SFD is doing for HoB to school students living near the Heart of Borneo.

Carnivore Kit to highlight Bornean Clouded Leopard conservation issues for example: hunting (population declining)



Teachers training course (EERace)

- From 1997 to 2014, we have trained about 850 teachers in environmental education.

ESD

- Sustainable use of natural resources, for e.g. marine life, mangrove forests, SFM



EERace

- Fish farming and other forms of aquaculture



Sepilok Junior Rangers (SJR)

Instilling concept of sustainability through many activities

- JR PLANTS
 - PLAnt for NaTure Sustainability
 - Seedling propagation to sell for school greening programmes



Sepilok Junior Rangers (SJR)

Birding

- To get SJRs to appreciate the importance of having forests for future generations using iconic birds, esp. endemic birds



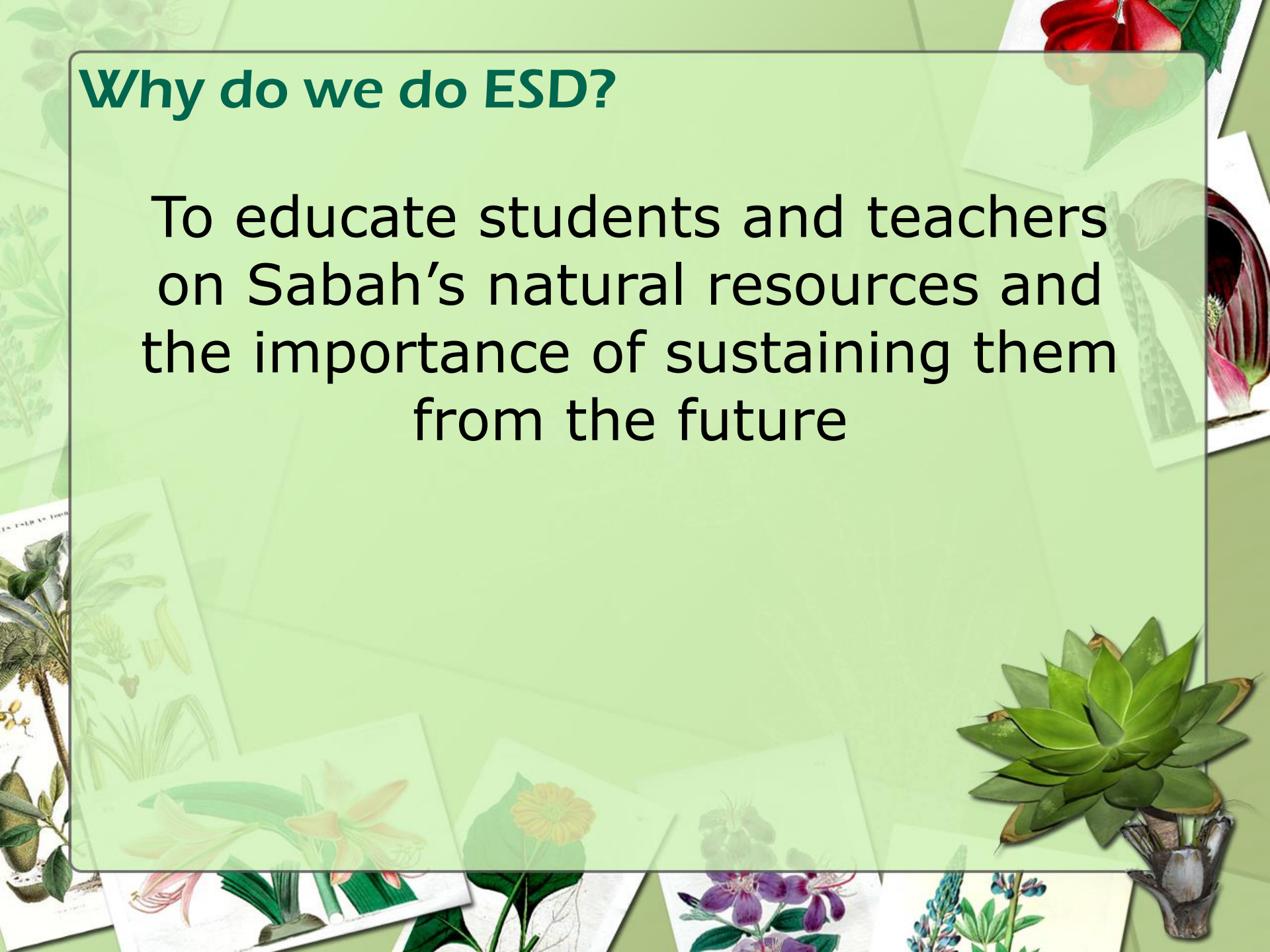
Sepilok Junior Rangers (SJR)

- Camps
 - Bringing SJRs to see different types of forests



Why do we do ESD?

To educate students and teachers on Sabah's natural resources and the importance of sustaining them from the future



Why do we do ESD?

Mount Kinabalu

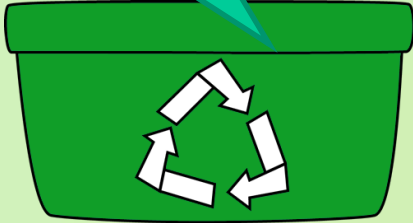


Our main challenge in ESD...

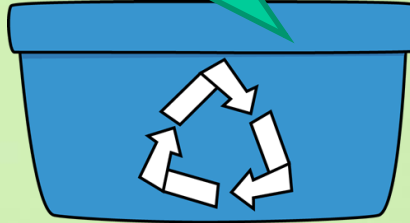
Promoting recycling in our programmes in the Sandakan district

- Lack of enforcement in waste segregation
 - Millions of RM spent to educate the public in waste segregation
 - Waste collected from homes is not segregated. Everything goes to the landfill
 - Recycling companies have very little segregated waste. - **NOT COST EFFECTIVE**

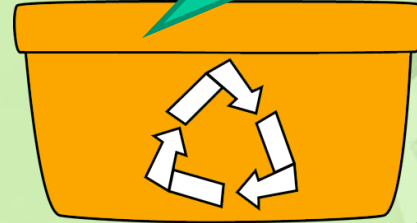
Al



Plastic



Paper



SCRAP

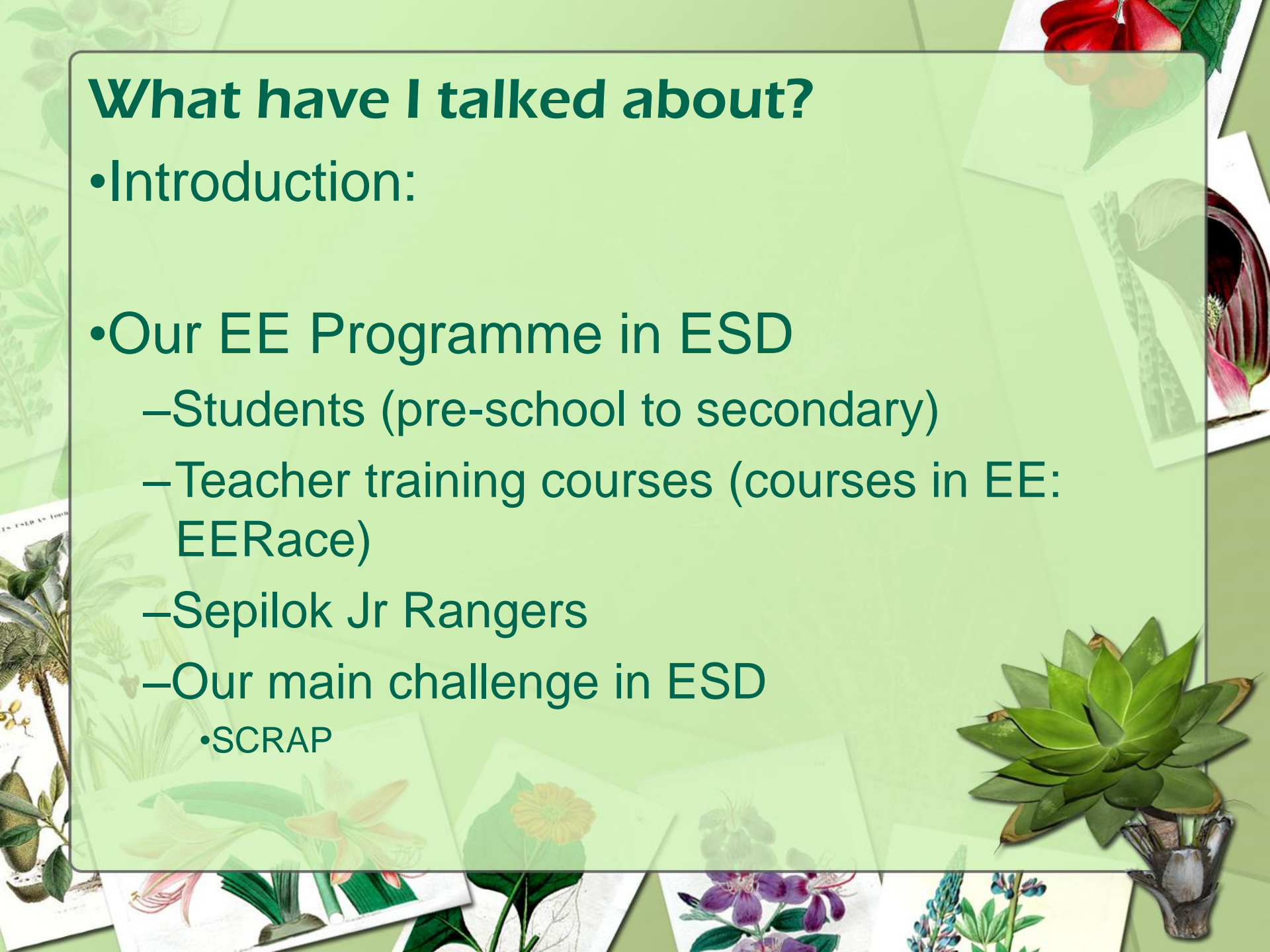
-Sandakan Community Recycling Action Plan (inspired by Mr Kogachi Takeshi)

- Launch in 2013
- Main target groups are:
 - Schools and their students
- Future targets 4 – 5 years
 - Local authorities
 - Homes



What have I talked about?

- Introduction:
- Our EE Programme in ESD
 - Students (pre-school to secondary)
 - Teacher training courses (courses in EE: EERace)
 - Sepilok Jr Rangers
 - Our main challenge in ESD
 - SCRAP



Educating for a better environment

Me

Benn

May

Arni

Kim



**My sincere thanks to the
Government of Japan**

for inviting me to share our experiences in ESD

**Loraiti Lolin
Rainforest Discovery Centre,
Sabah Forestry Department**

