

GLOBAL GEOPARK STATUS DRIVE LANGKAWI TOWARD SUSTAINABLE ECO- & GEOTOURISM DESTINATION

MOHD NIZAM MOHD NASIR

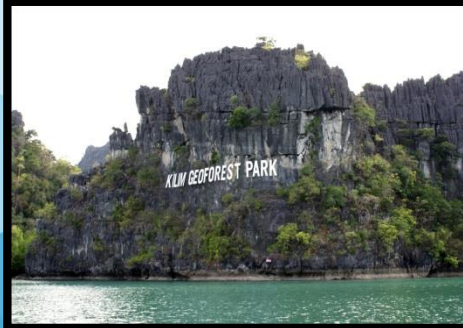
Manager,

Langkawi Global Geopark, Malaysia



1st Geopark In Malaysia & South-East Asia

-UNESCO



LANGKAWI – NATURE WONDER

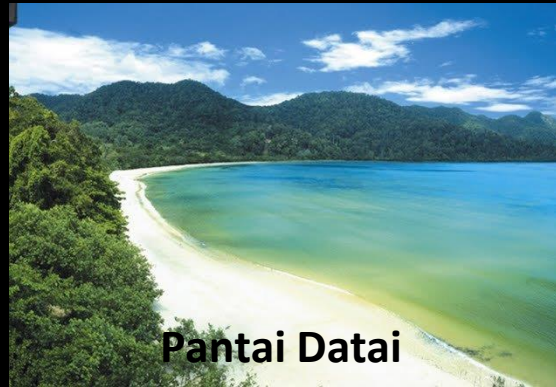


Nature Wonder

- Beaches

Top 5 Insanely Gorgeous Beaches - *US State Publication*

Top 10 Beaches



Nature Wonder

- Mangroves
 - 78 spesies out of 104 world spesies found in Langkawi



Mangrove Flower



Mangrove Fruit/Seed

Nature Wonder

- Forest and Nature
 - Lowland, wetland, mangroves forest, etc.



Nature Wonder

- 99 islands



Nature Wonder

- Birds
 - More than 230 species recorded
 - Including raptors, kingfisher & migratory birds



Mountain Hawk Eagle



Black-headed Oriole



Lesser Whistling Duck



Great Hornbill



Red-wattled Lapwing

Nature Wonder

- Butterfly
 - 500 and more spesies found in Langkawi

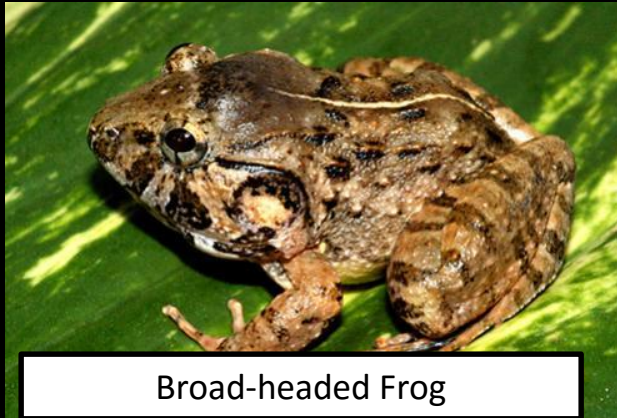


Nature Wonder

- Herpetofauna – amphibians & reptiles



Smithi Litter Frog



Broad-headed Frog



Langkawi Skink



Tuberlated Gecko



Smallest in Asia – Rock Gecko



Endemic – Roticanai Gecko

Nature Wonder

- Flora - Endangered, rare & endemic



Endemic Palm – *Maxburretia gracilis*



Endangered mangrove –
Sonneratia griffithii



Endangered mangrove –
Bruguiera hainessi



Living fossil – *Cycas clivola*



Smallest orchid – *Propax elwesii*



Rare species –
Basket Fern

Nature Wonder

- Wildlife – mamalia, insect, etc



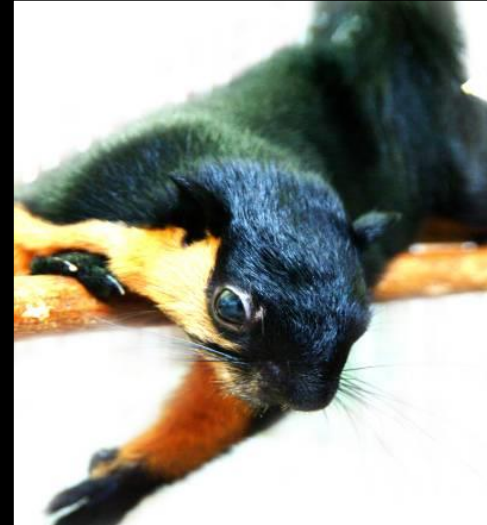
Long-tailed Macaque



Spectacle Monkey



Flying Lemur



Giant Squirrel



Bats Of Bat Cave

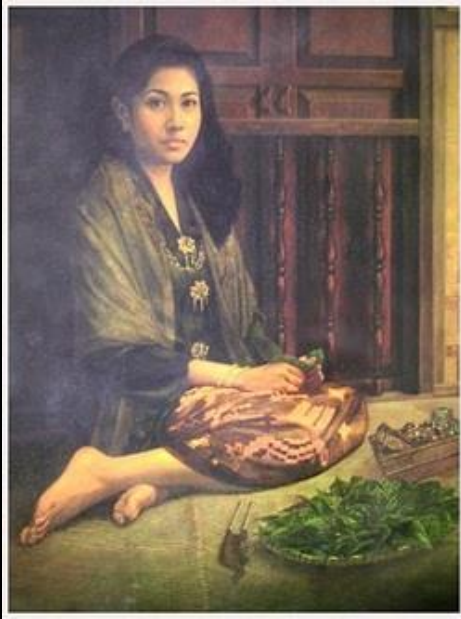


Fiddler Crab



Dragonfly

Legend & Myth



Mahsuri - accused of adultery and executed – white blood



Dayang Bunting – Pregnant Maiden



War Of Giant – Mat Cincang & Mat Raya

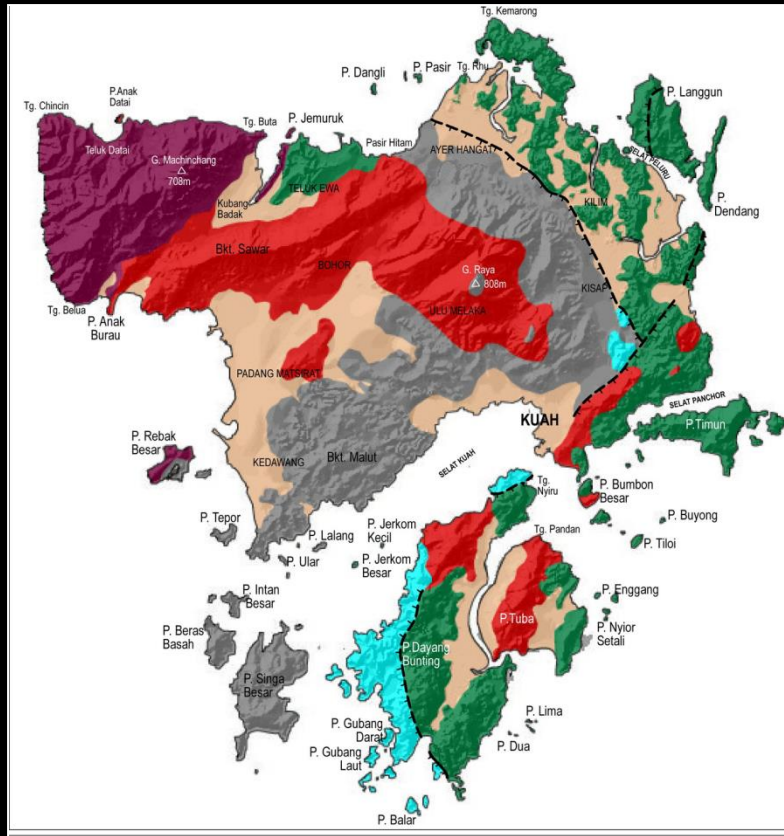


Beras Terbakar – Burnt Rice



Gua Cherita - Merong Mahawangsa

Geological Heritage



Machinchang Formation

- 550 – 490 million years old
- oldest formation



Setul Formation

- 490- 400 million years old
- diversity of fossils



Singa Formation

- 400-290 million year old
- Glacial dropstones
- cold water fossil



Chuping Formation

- 290- 250 million year old
- youngest formation



Gunung Raya Granite

- 250-210 million year old
- highest mountain in Langkawi

• Geological Heritage

– Fossils, minerals, landscape etc.



Geoforest Park

MACHINCHANG CAMBRIAN

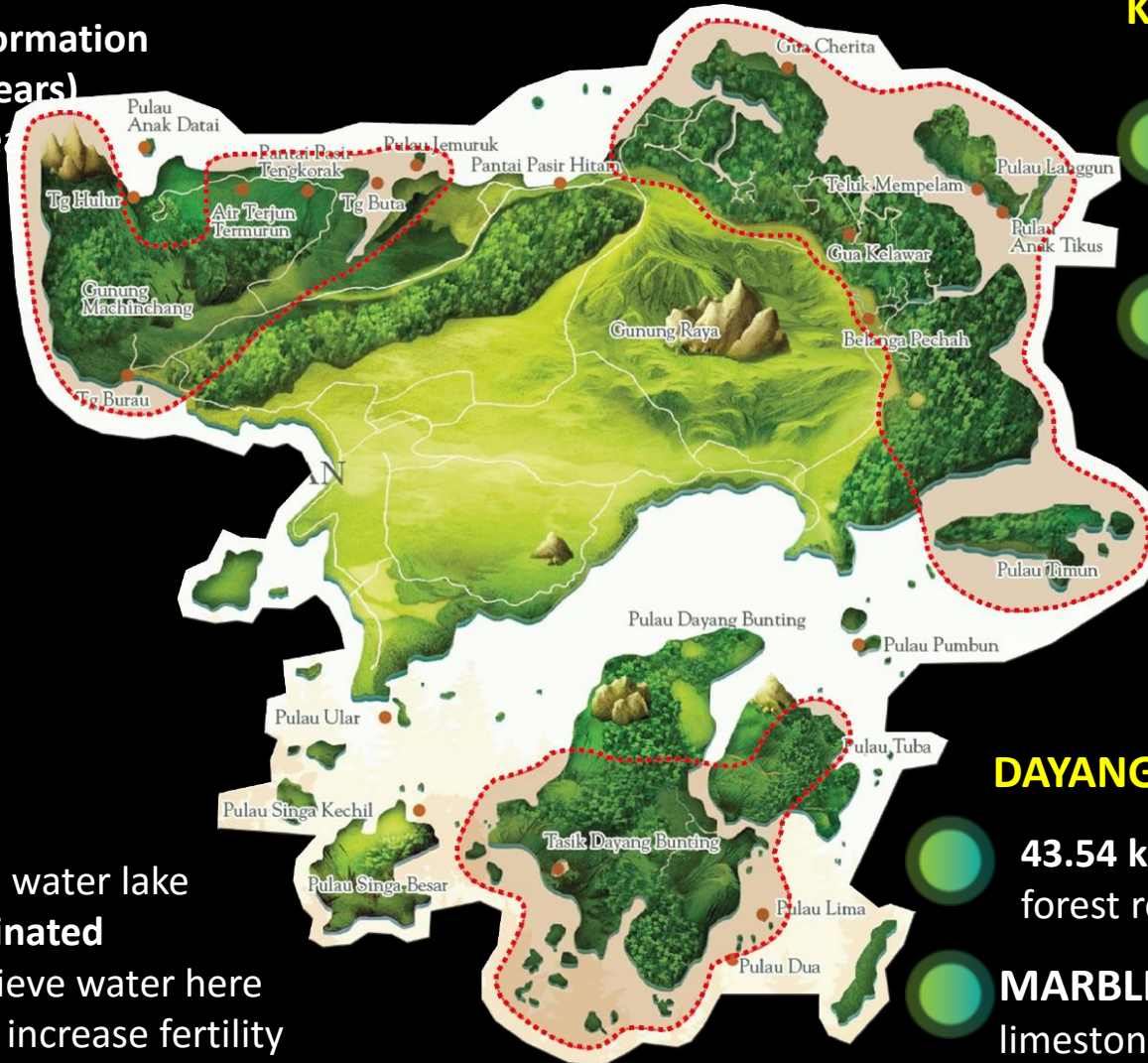
Oldest rock formation
(550 million years)

42.74 km² area

Famous
Langkawi
Cable Car

Largest fresh water lake
- **doline** originated

Local folk believe water here
could help to increase fertility
of woman



KILIM KARST

7 permanent forest
reserves of 82.61
km²

480-380 million
years geological
heritage

Managed by the
local community

DAYANG BUNTING MARBLE

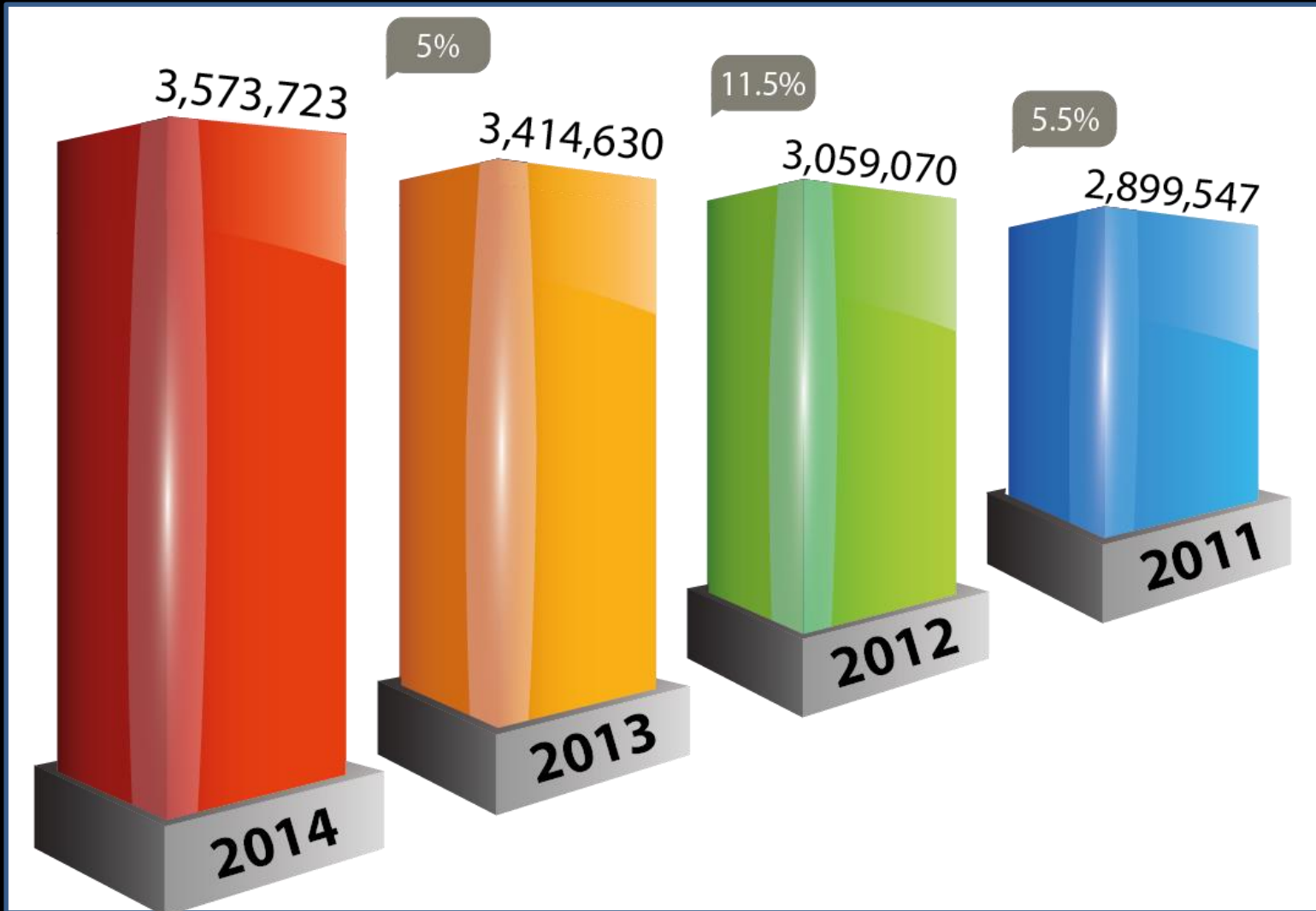
43.54 km² of permanent
forest reserves

MARBLE – most of the
limestone turn to marble due
to granite intrusion **150 million
years ago**

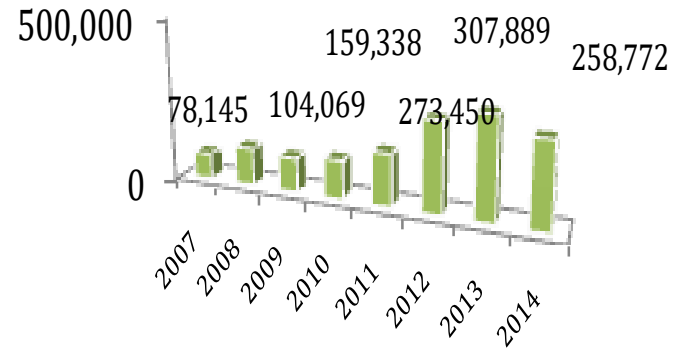
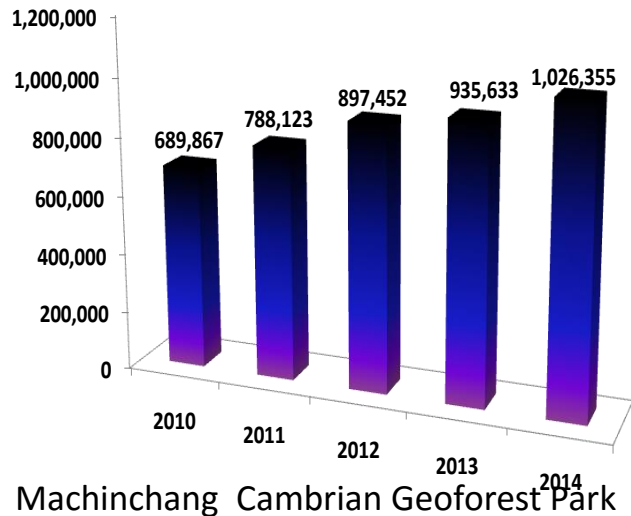
Langkawi As International Tourism Destination



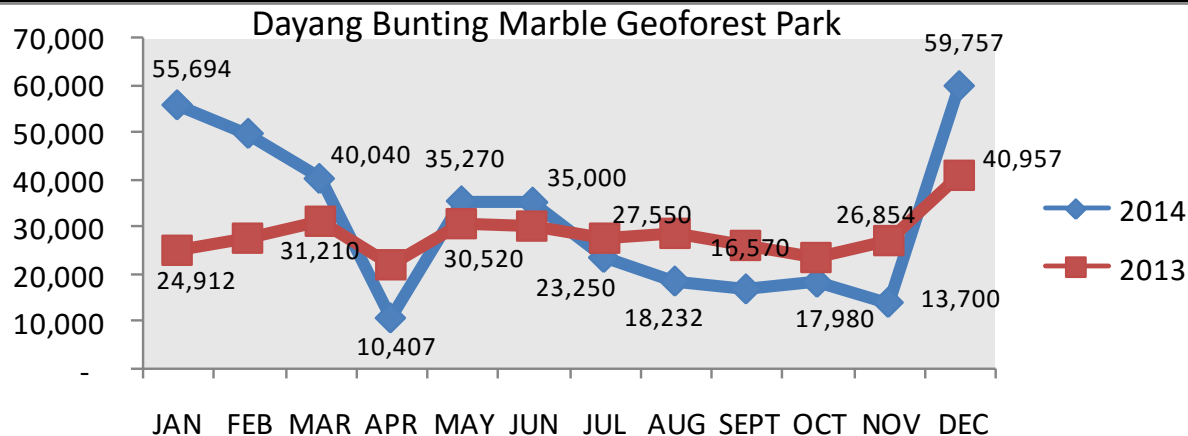
Langkawi Tourism Statistic



Geoforest Park Tourist Statistic



Kilim Karst Geoforest Park



Tourism & Langkawi

- 75 % Langkawi community involve in tourism



Opportunity (business)

- Accommodation
- Restaurants
- Travel agency



Jobs created

- Tour guides
- Bus driver/boatman
- Conservation

Challenges



Solid Waste
Management



Nature
Degradation



Carrying Capacity



Cleanliness



Resources – Food,
Water, Electricity

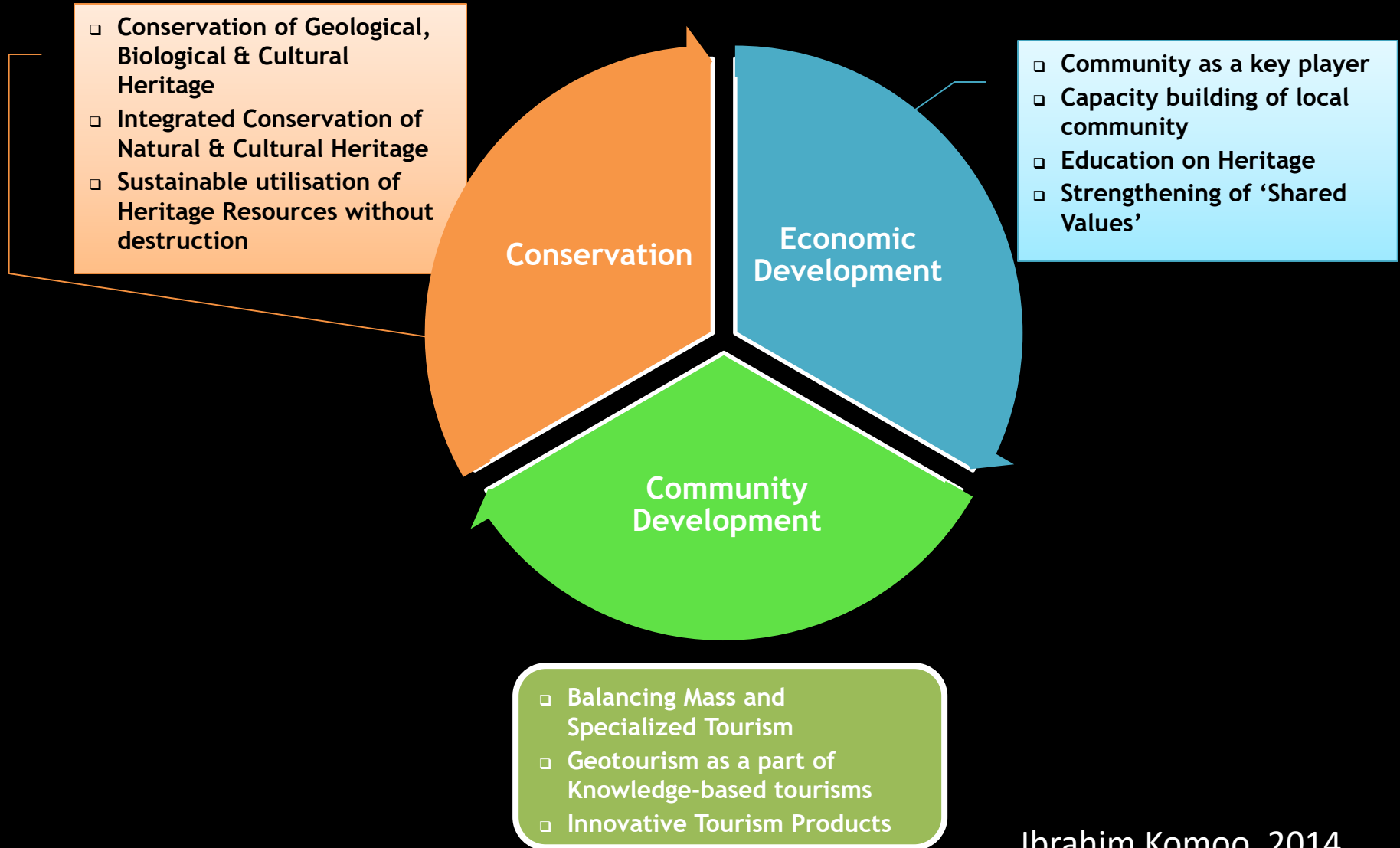


Enforcement

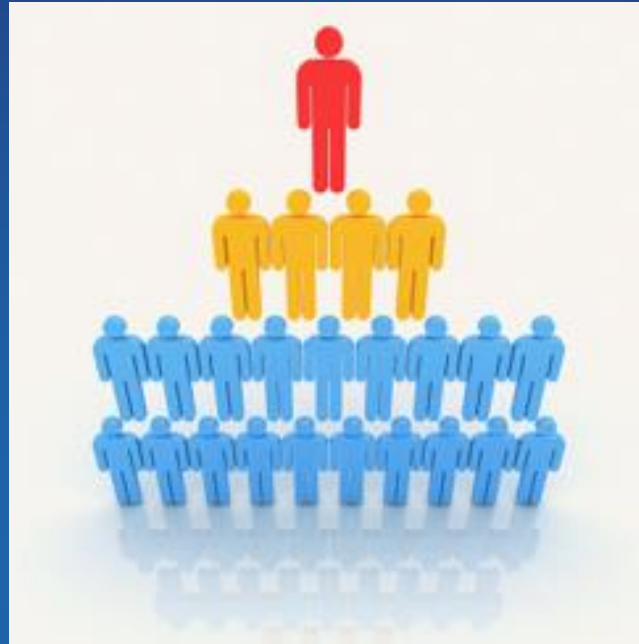
How Geopark Help Langkawi Grow As Sustainable Tourism Destination



Geopark Development Concept



GOVERNANCE



LANGKAWI GLOBAL GEOPARK

ADVISORY COUNCIL



CHAIRMAN
CHIEF MINISTER OF KEDAH



Secretary General
Ministry of Finance



Secretary General
Ministry of Natural
Resources & Environment



Secretary General
Ministry of Tourism &
Culture



Chief Executive Officer
Langkawi Development
Authority



Director
Institute Of Environment &
Development



Coordinator
Asia Pasific Geoparks
Network



State Secretary
Kedah State Government



Executive Councillor
(Tourism)



Director
Kedah Economic Planning
Unit



District Officer
Langkawi Kedah



Director
Kedah Forestry
Department



Director
Kedah Department
Environment



Director
Tourism Malaysia Kedah

LANGKAWI GLOBAL GEOPARK

COLLABORATORS



Wildlife
Department



Department of
Environment



Department Of
Town And
Country
Planning



Malaysian
Nature Society (MNS)



Langkawi Tourist
Guide Association
(LTGA)



Rotary Club

CONSERVATION



CONSERVATION ACTIVITIES

ACTIVITIES

- ❑ Joint Cleanliness (gotong-royong)
- ❑ Mangrove Planting
- ❑ Islands Clean-up

INVOLVEMENT

- ❖ Local Community
- ❖ Government Agencies on the island
- ❖ School (Primary & Secondary)
- ❖ Expatriate

NUMBER OF ACTIVITIES

❖ 2011

2 program | 150 participants

❖ 2012

3 program | 305 participants

❖ 2013

2 program | 370 participants

❖ 2014

4 program | 1,335 participants

❖ 2015 (up to June)

3 program | 265 participants



CONSERVATION ACTIVITIES



ACTIVITIES

- ☐ Joint Cleanliness (gotong-royong)
- ☐ Mangrove Planting
- ☐ Islands Clean-up



INITIATED BY NGO

Rotary  Rotary Club



Malaysian Nature Society (MNS)



Langkawi Tourist Guide Association (LTGA)



SAI BABA



PRIVATE COMPANIES SUPPORT

Bank Rakyat, Panorama Langkawi, Langkawi Port, Four Seasons Resort, Volkswagen, BMW

BLUEPRINT – CLEANLINESS & SANITATION

ACTIVITIES

- ☐ Special allocation
 - ❖ RM15.7M
- ☐ Special activity enhancing the cleanliness & beatification of Langkawi
- ☐ Increased rubbish collection
- ☐ Increased number of dustbin
- ☐ Improved quality of cleanliness and floating garbage collection

AGENCIES

- ☐ Lead Agency – Economic Planning Unit
- ☐ SWCorp, E-Idaman, LADA & Langkawi Municipal Council



EDUCATION & AWARENESS





GEO-SCHOOL

PROGRAM

- ☐ Geopark Teacher
- ☐ Geopark To School
- ☐ School To Geopark
- ☐ Geopark Camp

ACTIVITIES

- ☐ Nature Talk
- ☐ Site Visit
- ☐ Camping
- ☐ Tree Planting
- ☐ Scientific Expedition

INVOLVEMENT

❖ 2012

13 program | 2,116 participants

❖ 2013

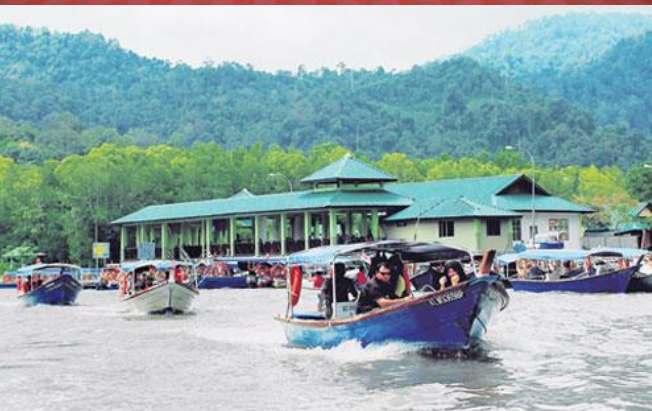
20 program | 2,466 participants

❖ 2014

22 program | 3,083 participants

❖ 2015

12 program | 1,855 participants



GEO-COURSES

TO INCREASE THE QUALITY OF SERVICE AND AWARENESS FOR INDUSTRIAL PLAYER

PROGRAM

- ☐ Langkawi Tour Guide Courses
- ☐ Safety and Boat Operation Courses
- ☐ Interpretation Courses
- ☐ Tour Packaging Courses
- ☐ Safety & Health Courses - BESS

INVOLVEMENT

❖ 2012

5 program | 225 participants

❖ 2013

5 program | 225 participants

❖ 2014

10 program | 450 participants

❖ 2015 (up to June)

5 program | 225 participants



GEOCOMMUNITY

PROGRAM

- ☐ Cleaning
- ☐ Tree Planting
- ☐ Recycle Campaign
- ☐ Small Medium Business - GeoCookies
- ☐ Geo-Hunt Competition
- ☐ Community Outreach Program
(Pautan Kawi Jelajah Kasih)
- ☐ Langkawi Product Gallery
- ☐ Entrepreneurship Program (MyNiaga)
- ☐ 3R (Recycle, Reuse, Reduce)
- ☐ Small Medium Entrepreneurship Courses

❖ 2011

4 program | 250 participants

❖ 2012

5 program | 965 participants

❖ 2013

4 program | 465 participants

❖ 2014

4 program | 1,235 participants

❖ 2015 (up to June)

4 program | 305 participants



AWARENESS

- ☐ Nature Talk
- ☐ Religious Forum
- ☐ Exhibition
- ☐ Carnival

❖ 2011

7 program

❖ 2014

14 program

❖ 2012

6 program

❖ 2015

10 program

❖ 2013

7 program

COMMUNITY INVOLVEMENT



SOCIAL ECONOMIC OPPORTUNITIES



INITIATIVES

- ☐ Sg.Menghulu Food Corner
- ☐ Kilim Business Complex
- ☐ Gallery Product
- ☐ Restaurant 1Malaysia
- ☐ MOTAC Homestay
- ☐ Handy Craft
- ☐ Craft Complex

STATISTICS

- ☐ Kilim Bussines Complex – 6 premises
- ☐ Homestay – 6 villages, 200 house
- ☐ Sg. Menghulu Corner – 19 Kiosk
- ☐ Additional number of Rooms –1,850 since 2011
- ☐ New Job creation - 6,661 since 2011



Socio-economy

INITIATIVE

- ☐ Entrepreneurship training
- ☐ Online Business Assistance
- ☐ MyNiaga – Coaching the new entrepreneur
- ☐ Tuba Island Craft Center
- ☐ Packaging Center
- ☐ 1Village 1Product

Way Forward

It is Vital To Develop Langkawi using Geopark Concept



Biggest asset of Langkawi is nature and cultural heritage



To be inherit to the next generation

VISION 2016-2020

to be a premier eco and geo tourism destination in the world



THANK YOU

