

GGN - Geopark Annual Report 2022

1. GEOPARK IDENTITY

Langkawi UNESCO Global Geopark, MALAYSIA

Member of Asia Pacific Geopark Network

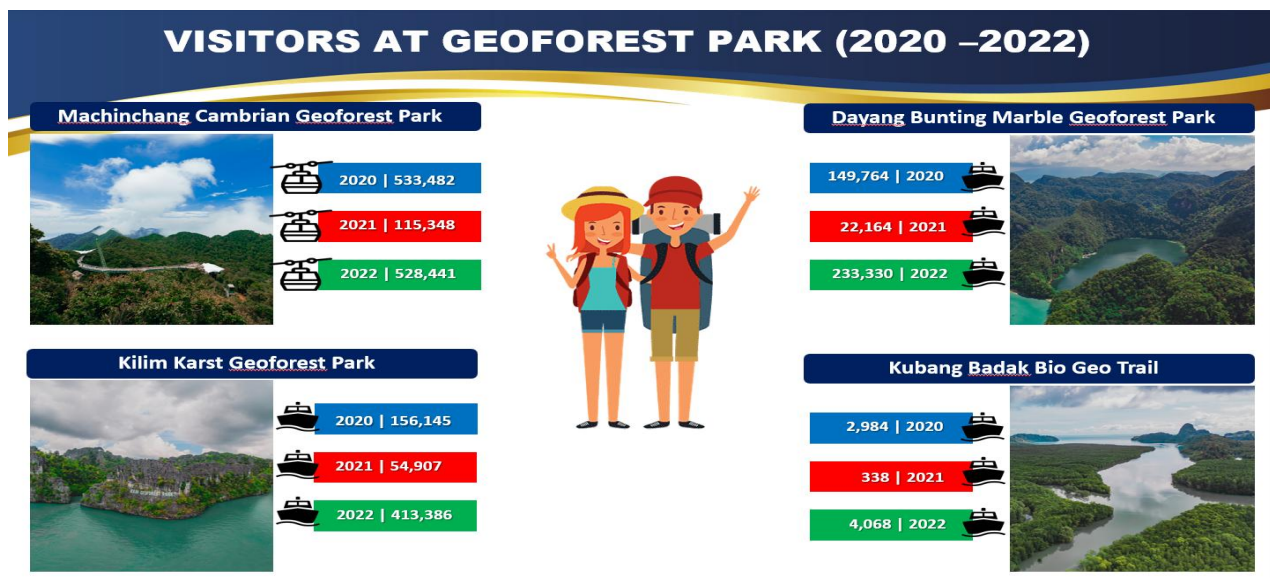
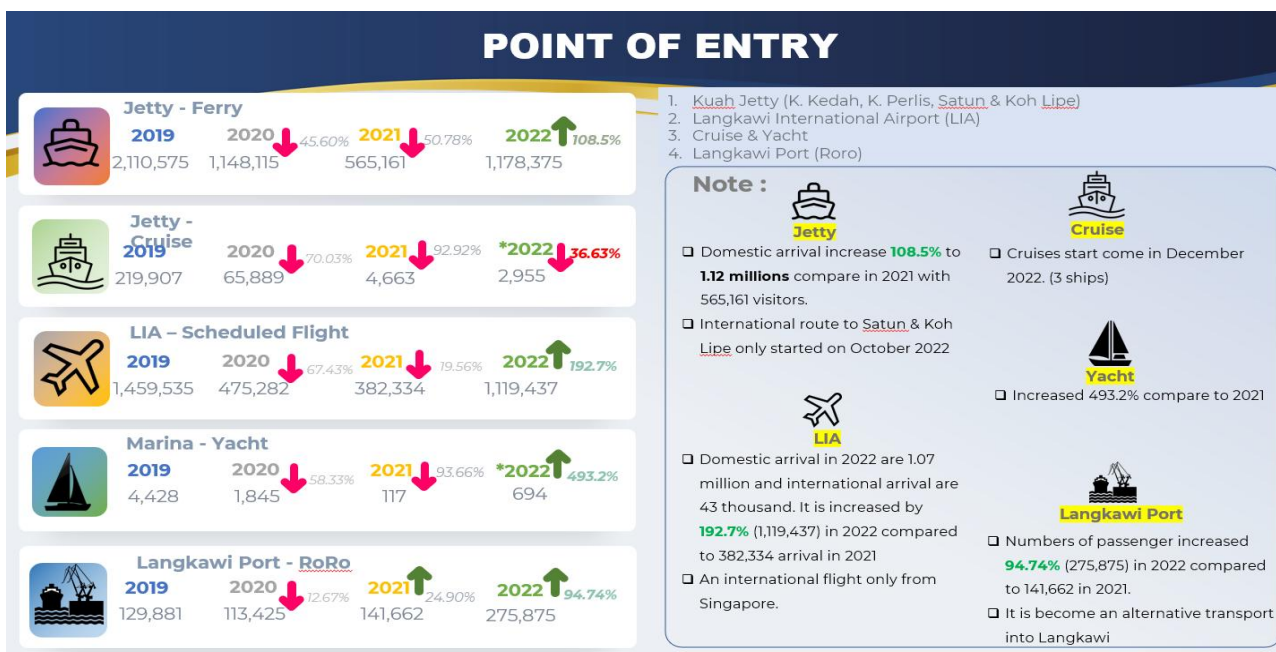
Year of inscription / Year of the last revalidation:

2007 / 2023

2. GEOPARK FIGURES

Number of Geopark staff: 28 staff (including 11 rangers)

Several visitors:



Geopark events:

1. Briefing session on the development of Langkawi UNESCO Global Geopark (LUGGp) with Royal Patron Geopark on 21 March 2022

No. Pax : 10 members



2. Protect Nature Through The Geopark Conservation Program Hello Environment! on 19 March 2022

No. of Participant: 328 cyclist



3. 3,254 Mangrove were planted In Langkawi UNESCO Global Geopark (LUGGp)
No. of Participant: 310 volunteers



4. Langkawi 2022 'Earth Hour' Celebration Decoration Night Cycling Program On 26 March 2022
No. of Participant: 320 cyclists



5. Geocoral & GeoMarine Program on 8 June 2022
No. of Participant: 298 people & 10 divers



6. Geopark Educational Program on 7-10 June 2022

No. of Participant: 200 students (primary & secondary school)



7. Earth Day On 25 April 2022

No. of Participant: 125 people join the online program



8. Geopark Tranborder Sea Kayak Expedition On 25-27 August 2022 (Langkawi UGGp and Satun UGGp)

No. of Participant: 40 paddlers



9. Geohiking On 11 June 2022

No. of Participant: 50 hikers



10. World Bicycle Day On 03 Jun 2022

No. of Participant: 312 cyclist



11. International Day For The Conservation Of The Mangrove Ecosystem on 26 July 2022

No. of Participant: 121 students people



12. International Geodiversity Day On 06 October 2022



13. Regional Course On Unesco Global Geopark On 21-23 October 2022

No. of Participant: 98 people



14. International Mountain Day On 22 December 2022

No. of Participant: 50 hikers



Number of Geopark press releases: 20 press releases

GEPARK ACTIVITIES

Major achievements in 2022



Contribution towards GGN - Networking and participation

- i. Asian Pasific Geopark Network Conference Satun UGG, Thailand on 7-11 September 2022
- ii. European Geopark Network Conference, Verbania, Italy on 26-30 Sept 2022
- iii. GGN Advisory Committee meeting on 8 April 2022
- iv. GGN Annual General Assembly for Accounts on 20 April 2022
- v. APGN AC Meeting on 7 September 2022
- vi. APGN Week meeting on 27 August 2022

Management and Financial Status

Langkawi UGGp through Tourism Division is allocated between \$RM8-11 million yearly for operation and maintenance purposes. A different budget is allocated for physical development.

Year	Operation (\$RM)	Maintenance (\$RM)	Development (Physical Project) (\$RM)
2021	4,145,692.50	460,935.00	53,600,000.00
2022	7,491,700.00	1,994,000.00	62,936,000.00

Geoconservation

- Geosites Cleaning Weekly Programme involving various government agencies and NGO's with selected geosites
- GeoMangrove - a weekly program, planting mangrove trees
- GeoCoral/GeoMarine - Quarterly programme of coral propagation at selected geosites
- Trash Hero - A weekly programme, cleanup at selected tourism popular spots

Sustainable tourism (Geotourism)

1) GUNUNG RAYA GRANITE

Since 2019, Langkawi UNESCO Global Geopark has been working on a new conservation area at Gunung Raya. The Langkawi igneous bodies are also known as Gunung Raya Granite. The age of Langkawi granite is dated to be around the late Triassic geological era; hence, **the emplacement of Langkawi granite should have taken place almost concurrently with the region's major tin-bearing granites**. Gunung Raya's lush rainforest houses the *roti canai* gecko (*Cnemaspis roticana*) endemic to Langkawi UGGp and humorously named after the beloved national breakfast.

2) TUBA ISLAND

To date, Langkawi UGGp also designed a new geotrail product at Pulau Tuba as an innovative tourism product. Tuba Island, the 3rd largest island with seven fisherman villages, has a potential area that has yet to attract the attention of

policymakers, entrepreneurs, and tourists alike. The island's geologically unique folded granite sill which is one of **the only specimens found in Malaysia**; a horizontal sheet intrusion between older layers of sedimentary rock that was intruded by limestones.

New education programs on conservation, sustainable development, and disaster risk reduction

1. Bio-remediation Program

1. The Bio-Waste Processing Project Using Black Soldier Fly (BSF) Larvae has been selected as a pilot project for the implementation of the Malaysian Family Bio-remediation Program targeting the community on Langkawi UNESCO Global Geopark area. This project aims to empower the BSF farming community, the hospitality industry, local community development agencies, and other parties involved in overcoming the issue of excess organic waste from the hospitality, agriculture, food, and domestic waste industries on Langkawi Island. Through this BSF project, it has the potential to produce an alternative source of food for poultry.



2. Langkawi ISWA BEACON Conference 2022

The shift from a linear to a circular economy is a major challenge that requires a strong commitment to sustainable management of waste and resources. Therefore, to achieve a sustainable solid waste management through this, we need to reduce the waste to minimum by reusing, repairing, refurbishing and recycling existing materials and products. Hence, less waste are generated through the development of sustainable products with greater recycling capacities indirectly will reducing landfilling to a minimum. The event brought together leaders, policymakers, experts and enthusiasts around the world to share their experiences and knowledge focusing on circular economy from the waste management aspect.



3. New Initiative: idamanXchange project



idamanXchange is a recycling programme that gives rewards through the use. The programme is also in line with our objective of enhancing public practice in recycling activities as well as to support the Government in the Separation at Source initiatives.

Strategic partnership

1. MoU between Langkawi UGGp, Malaysia and Mudeungsan UGGp, Korea



In 2022, Langkawi UGGp and Mudeungsan UNESCO Global Geopark, Korea agreed to build a closer working relationship endorsed through a virtual signing ceremony of the Memorandum of Understanding (MoU) on cooperation in the field of geopark management. This MoU marks a sign of cooperation between both parties in fulfilling their respective duties and functions through information exchange and sharing of mutually beneficial geopark initiatives.

With the signing of this MoU, both parties have therefore expressed their interest in engaging in collaborative activities about the sustainable development of the two geoparks involved. These include activities in areas such as tourism promotion, education, research, and community development in the respective geopark territories.

2. GEOPARK SITESHIP PROGRAM between Langkawi UGGp (Malaysia), Muroto UGGp (Japan) and Satun UGGp (Thailand) on 14-18 November 2022



GEPARK SITERSHIP PROGRAM RINJANI UNESCO GLOBAL, INDONESIA

On 5-7 DISEMBER 2022



Promotional activities

1. Carried out promotional activities on social media

1. **Website:** langkawigeopark.com.my
2. **Facebook :** Langkawi UNESCO Global Geopark
3. **Instagram :** langkawiunescoglobalgeopark

2. Created a 360' Virtual Tour Video

<https://www.panomatics.com/virtualtours/malaysia/langkawigeoparktour/>

4. CONTACTS

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