



Satun UNESCO Global Geopark Development

27th April 2022

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Department of Mineral Resources

Status of Geoparks in Thailand

(Data is presented as of April 20, 2020)



UNESCO global Geopark

1 location

“Satun UNESCO Global Geoparks”



National Geoparks

4 locations

“Khorat Geopark”

“Phachan – Samphan Bok Geopark”

“Phetchabun Geopark”

“Khon Kean Geopark”



Local Geoparks

3 locations

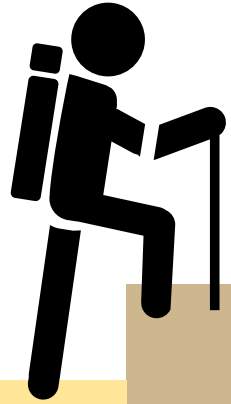
“Tak Petrified Wood Geopark”

“Chaiyaphum Geopark”

“Phu Hang Nak Geopark”



Step to UNESCO Global Geopark.



Local Geoparks

National Geoparks



UNESCO global Geopark



Revalidation
every 4 years



Satun UNESCO Global Geopark



Satun UNESCO Global Geopark

- Location : Satun province, Southern Thailand
- Area : 2,597 km²
- Number of geosites : 27
- Number of natural and Cultural sites : 15
- Local Geopark : 14th August 2014
- National Geopark : 25th November 2016
- UGGp : 17th April 2018

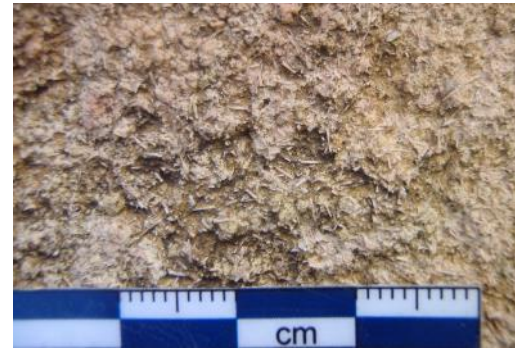


International Stratotype Section of Lower to Upper Paleozoic

- Fossils: abundant and high diversity
- Can be correlated regionally and internationally of the rocks, paleoenvironment and paleoecology



*Stromatolite,
Nautiloid*



Tentaculite



Fusulinid

Ordovician

Devonian

Permian



Cambrian

Silurian

Carboniferous



Trilobite



Graptolite



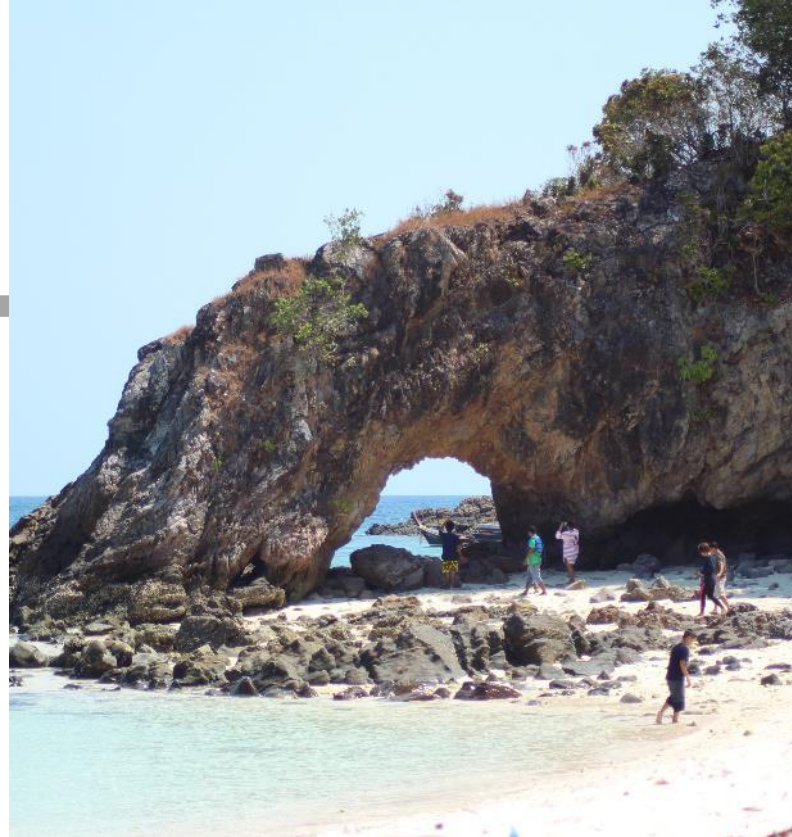
Posidonomya

Terrestrial Karst



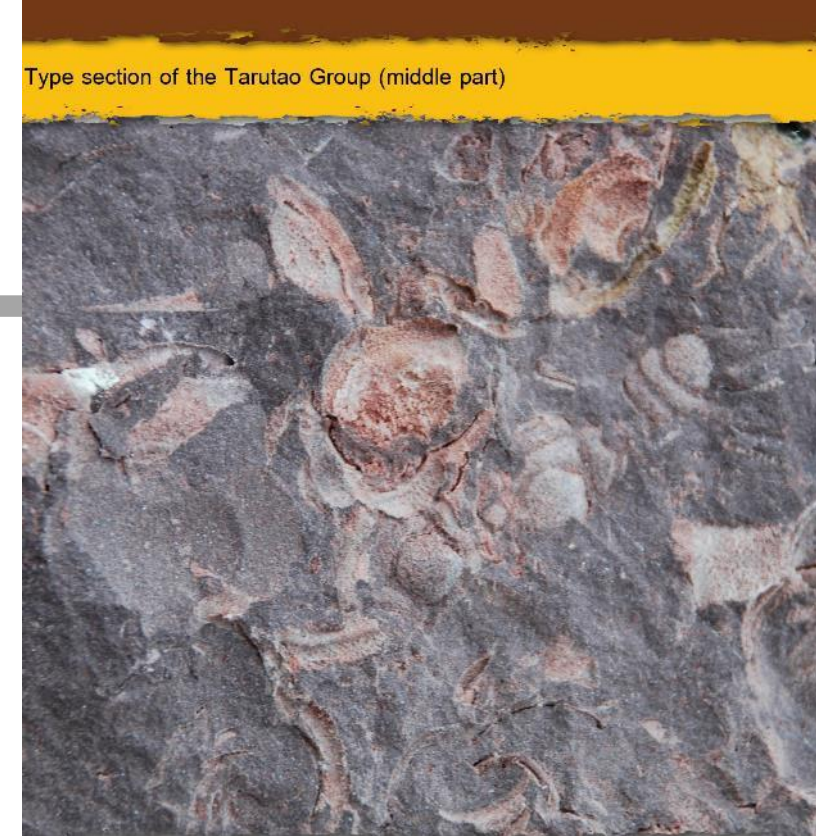
Phu Pha Phet Cave

Fantastic Landscape of Islands



Khai Islet

Absolute age dating of Late Cambrian age



Tarutao-Phetra Islands

Satun UNESCO Global Geopark



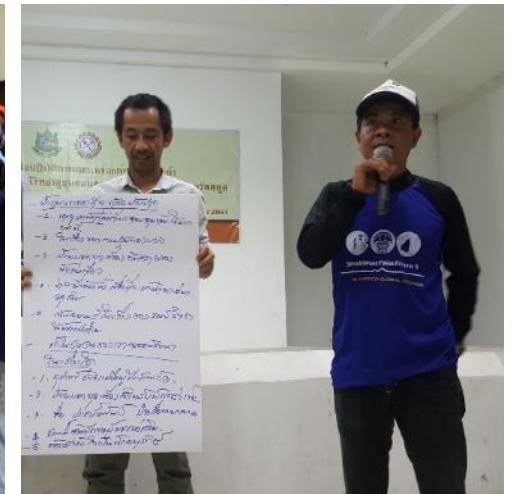
Geo - tourism



Sustainable Development in Satun UNESCO Global Geopark



Local Guide Training



Information Center



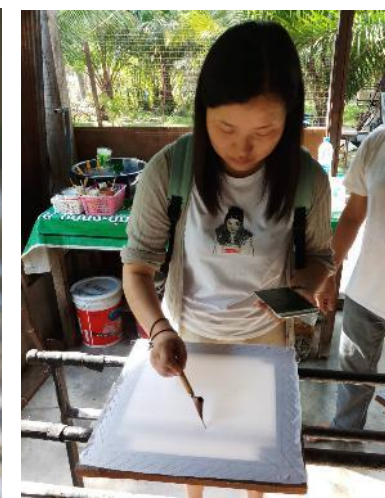
Thungwa Ancient Elephant Museum



Satun UNESCO Global Geopark



Geopark Product



Local Handy Craft Community



Product from Coconut Shell



Sungi-Upe Pepper Cookies



Na Kha Community's Coffee



Chim Melon



Geopark Food and Snack



Stromatolite Spicy Salad



Nortiloid Crispy Fried



Trilobite Spicy Salad



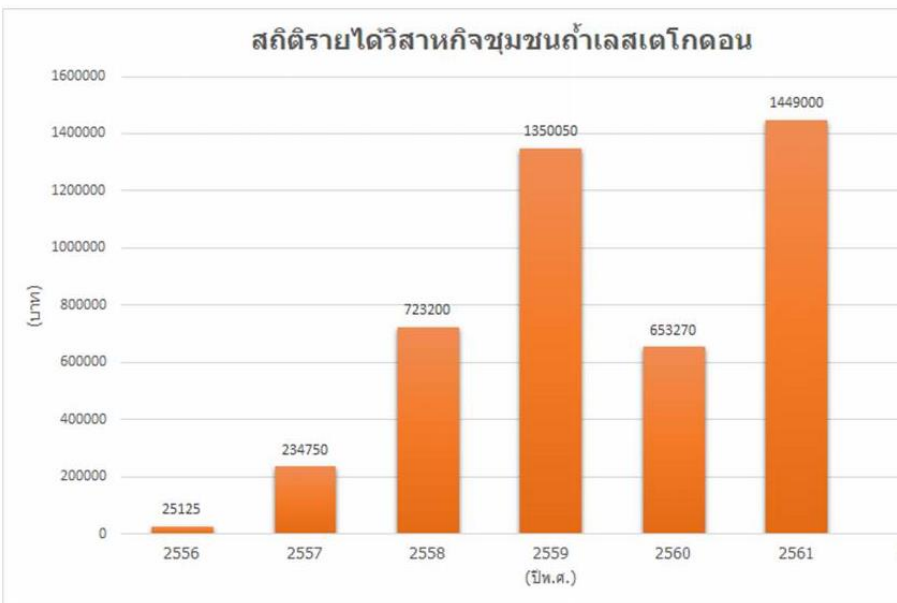
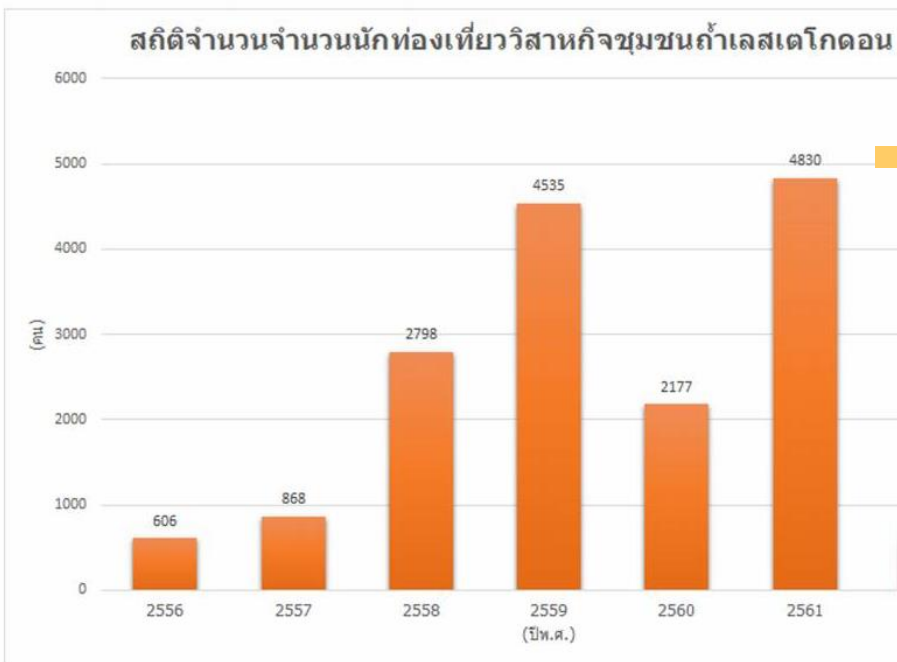
Nortiloid Stir – fry



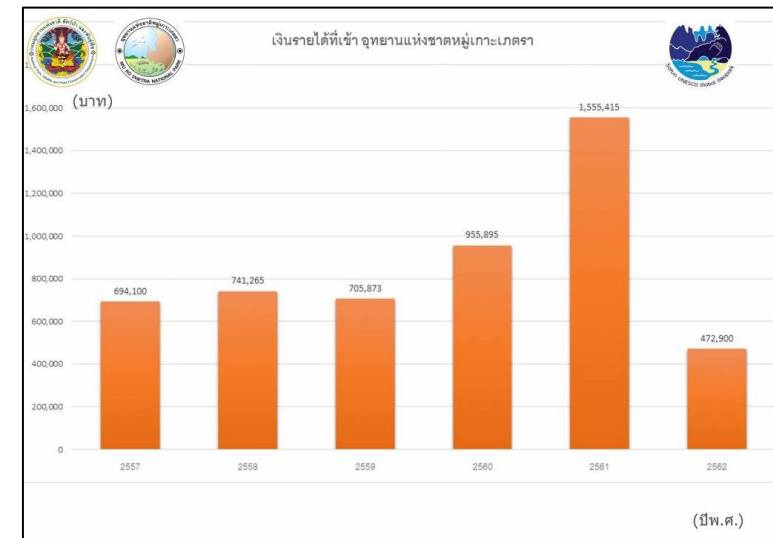
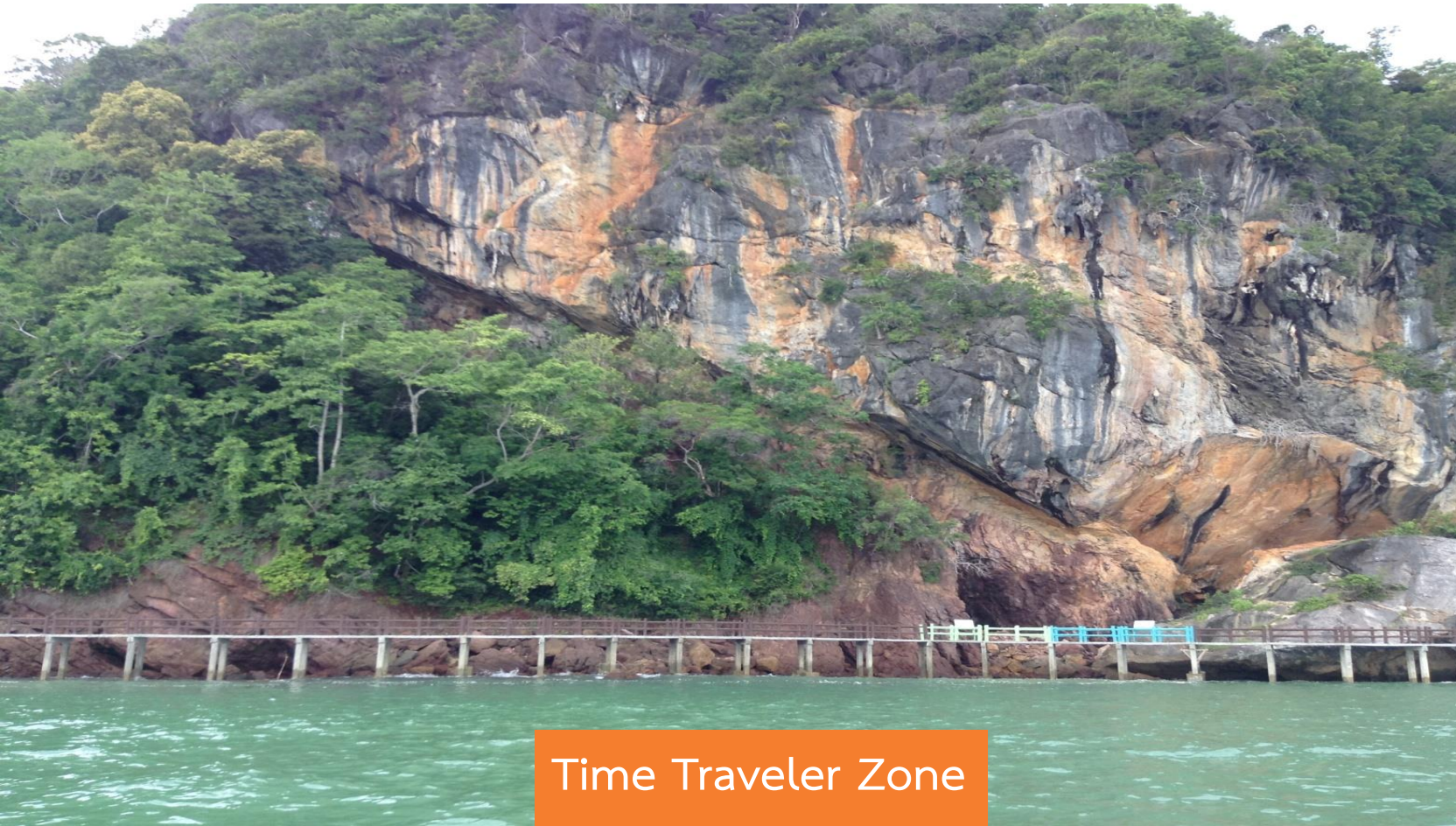
Bua-loi Trilobite (Dessert)



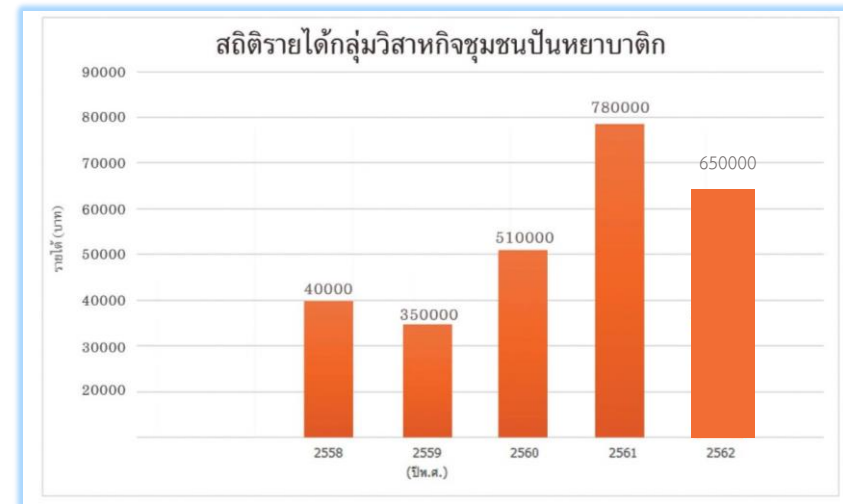
Economic development and Community income



■ Economic development and Community income ■



■ Economic development and Community income ■



■ Economic development and Community income ■



International cooperation and Exchange



- ✓ September 2017 - APGN Conference : Joint 5th Asia Pacific Geoparks Network Symposium 2017, in Zhijindong Cave UNESCO Geopark in Guizhou, China

Satun UNESCO Global Geopark

➤ International Cooperation and Exchange



- ✓ Japan : 2017 - November, JGN DMR and Satun Geopark Jointing Workshop in Satun Geopark, Thailand

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➤ International Cooperation and Exchange



- ✓ Japan : 2017 - November, JGN DMR and Satun Geopark Jointing Workshop in Satun Geopark, Thailand
- ✓ May 2018 - Myanmar : Satun Geopark Director was invited to share experience in the “First Seminar and Workshop on Geopark: Mount Popa Geopark, Myanmar”

International conference on UNESCO Global Geoparks 2018



Thungwaworawit Geopark School



■ ■ ■ Out door learning



Geopark School

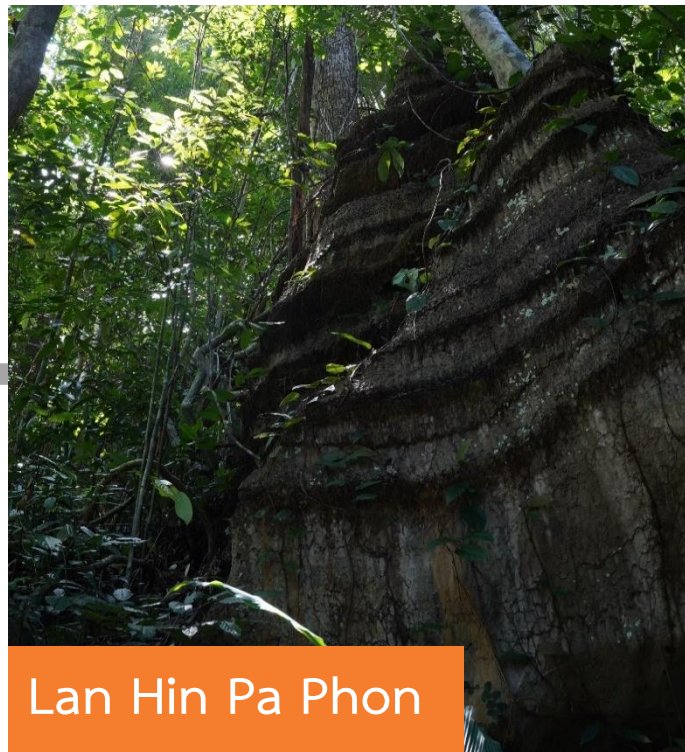
Kam Peang Geopark School



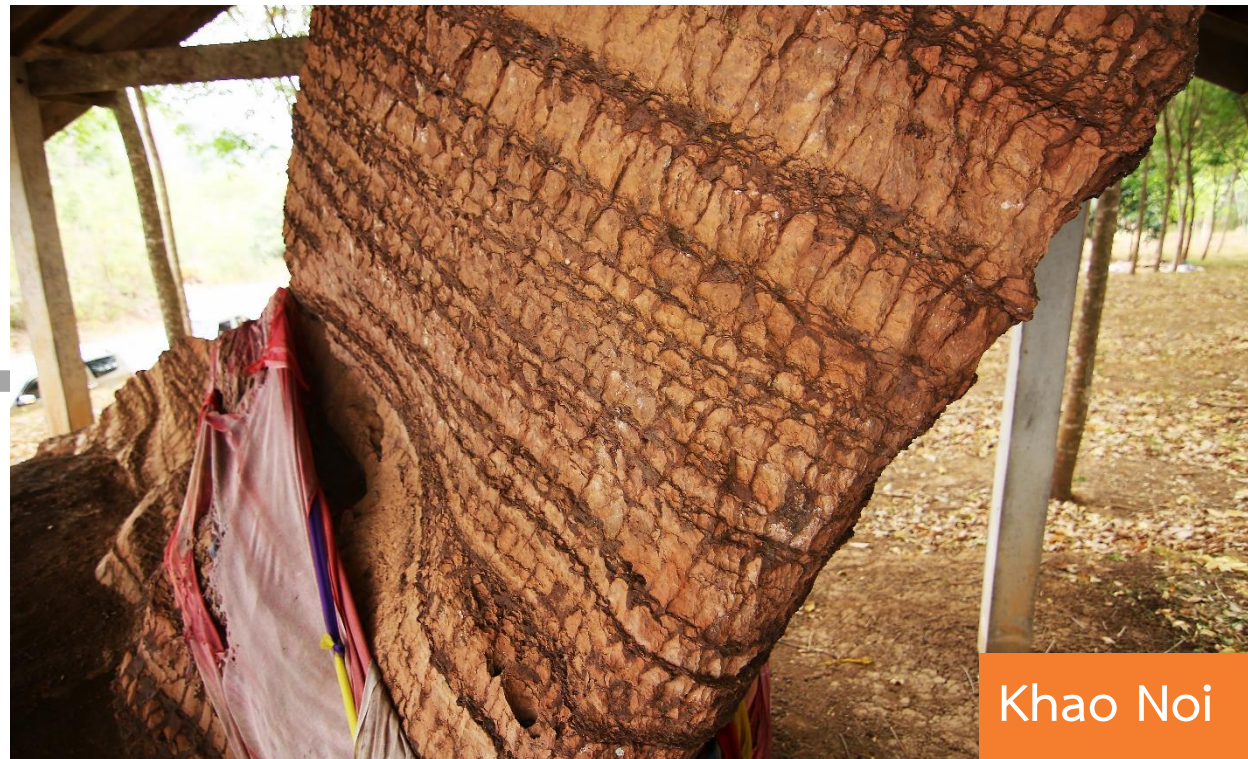


Future Projects

- Geology (Age identification of stromatolites)
 - Stromatolites area in Satun Geopark.
- Geohazard in cave and karst
 - Pha Sat Hin Pan Yot
 - Phu Pha Phet cave
 - Lay Stegodon cave
- IoT (Internet of Things) and AI (Artificial Intelligent) in cave and karst



Lan Hin Pa Phon



Khao Noi



Stromatolites area in Satun Geopark.

Stromatolites area in Satun Geopark.



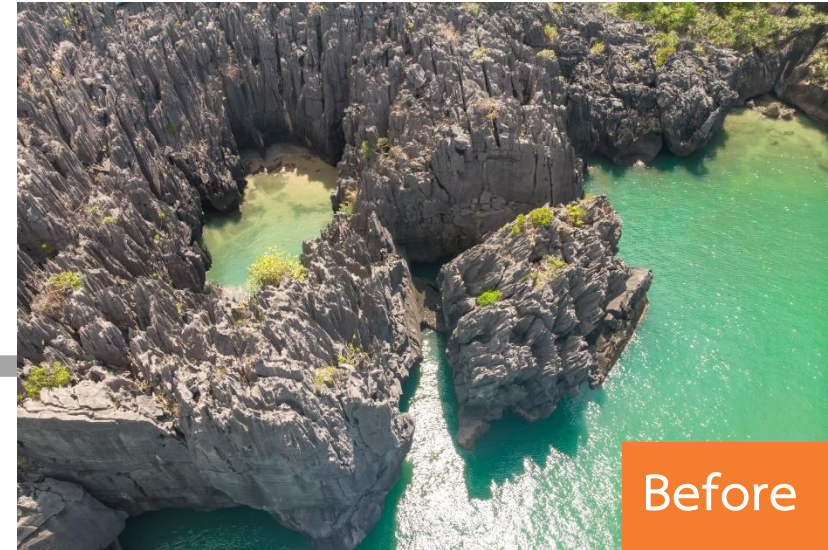
Khao Daeng

Grey and Red Stromatolites in Satun Geopark.



Tha Rae Stromatolitic Lapies

Pha Sat Hin Pan Yot





Stalactite and Stalacmite



Phu Pha Phet cave

Lay Stegodon cave



Drapery



stalactite



A scenic landscape photograph with a jagged, torn-paper-style border. The scene shows a bright sun in a clear blue sky, creating a starburst effect. Below the sky is a vast, flat expanse of white clouds, resembling a sea of clouds. In the foreground, there are green trees and foliage, with some branches extending from the left and right sides of the frame. The text "Thank you" is centered over the middle of the image in a large, orange, sans-serif font.

Thank you