







Part 1 - Characteristics

The environment comprises the following:

- 1. Abiotic non-living aspects such as the climate & geology eg. landscape and landforms
- 2. Biotic the living parts eg. fauna (animals) and flora (plants)
- 3. Cultural past & present, non-living & built

Parts B+C are well interpreted within tourism, especially through ecotourism and cultural tourism, but A has typically not been addressed

Geotourism

Geotourism is a new type of tourism that:

- 1.Starts with, or is based on, the Abiotic geological environment but also comprises Biological and Cultural elements
- 2.It is driven by tourism's sustainability focus meaning it has environmental, social and economic goals
- 3.Thus it can be used as a major tool for regional economic development

The Definition of Geotourism

Geotourism is sustainable tourism which focuses on an area's geology and landscape as the basis for providing visitor engagement, learning and enjoyment

> Geotourism Subcommittee Geological Society of Australia

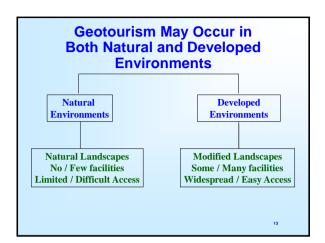
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Piton de la Furnace, Reunion Island

Geotourism

The 'geological' underpinning of geotourism is that it specifically focuses on geology and the landscape. Thus it promotes the:

- 1. Conservation of geodiversity
- 2.Understanding of earth sciences
- **3.Experiences** of geosites



Geoproducts

Using Malaysia as an example, geotourism occurs:

- ·In a World Heritage Area at Mt Kinabalu, Sabah, Borneo
- · At a Roadside Cutting at Miri, Sarawak
- · In the Langkawi Geopark, South east Asia's first





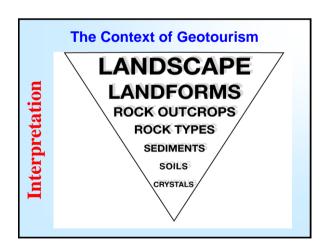




The Elements of Geotourism

- 1. It is based on geological features
- 2. It conserves geoheritage
- 3. It develops geological tourism products
- 4. It creates high quality tourist experiences
- 5. It includes excellent interpretation
- 6. It provides value to local communities



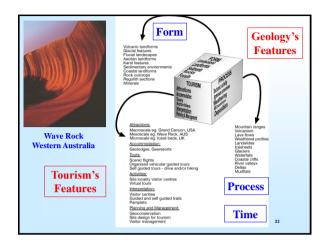


The Interpretation of Geotourism

Interpretation separates geotourism from geology. The key elements of geotourism's interpretation include form, process & time

- **1.Form** an understanding of the landforms and other geological features
- 2.Process a description of the ways in which the geological features were formed
- 3.Time a description of the geological era and length of time the features were formed – always related to human time

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Part 2 - Challenges

There are a number of challenges for geotourism. They include:

- 1.Emphasizing Geoconservation
- 2.Delivering Quality Products
- 3.Incorporating Risk Management
- **4.Interpreting Appropriately**
- **5.**Capitalizing on the Geoparks Brand

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1. Emphasizing Geoconservation

- Geotourism fosters an understanding of geoheritage protection and conservation
- 2. The Association for Geoconservation, Hong Kong is a champion in this regard

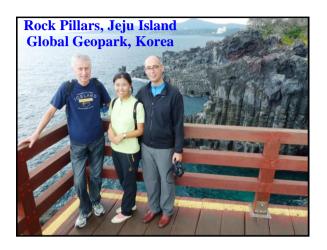


. The sustainability element of Geotourism ensures that geoheritage is conserved

2. Delivering Quality Products

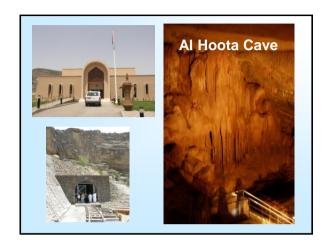
Today's tourists are educated, aware and informed. This means that geo-products need to be:

- 1.Of high quality
- 2.Include up-to-date information
- 3.Be interesting and innovative
- 4.Be engaging















3. Incorporating Risk Management

- 1. Tourists are travelling to more remote areas
- 2. Active volcanoes, glaciated zones, high mountains, hot deserts etc.
- 3. Therefore visitor safety is paramount
- 4. Risk Management Plans are essential for all geotours and geo-attractions
- 5. Risk Management is about protecting the geotourists, and the geosites

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4. Interpretation Excellence

Interpretation is about connection. It includes:

- 1. Communication bringing items and events to life
- 2. Learning in order to facilitate understanding by revealing meaning
- 3. Values by stimulating an appreciation of heritage
- 4. Action by involving or immersing people in their tour experience

Head, Heart & Hand

Excellent interpretation includes aspects of the head, heart and hand. That is:

1.Head – learning about the geology of an area and its form, process and time

2.Heart – connecting the visitor to the landscape in a way that captures their heart

3.Hand – stimulates the visitor to want to do something for the environment through their new-found understanding and connection to the geological environment















6. The Geoparks Brand



- In China in the first decade there were over 1.1 billion visitors to geoparks (over 100 million visitors per annum)
- Entry fees were RMB 7 Billion (HKD 8.85 B)
- The geoparks generated 75 000 permanent full time jobs and 470 000 part time jobs
- In the United Kingdom the contribution of seven geoparks is £18.84m (HKD 236m)



UNESCO Protected Areas	
Sites	Countries
981	160
621	117
100	29
	981 621

Part 3 - Opportunities

There are a number of opportunities for geotourism. They include:

- 1.Developing Urban Geotourism
- 2.Providing the geological base for existing environmental tours and attractions
- 3.Providing a spectrum of tours for visitors from the dedicated geological tourist to the mass tourism visitor
- 4.Developing geological trails and attractions





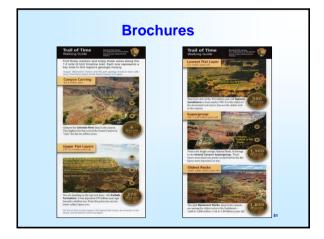
USA – Grand Canyon The Trail of Time

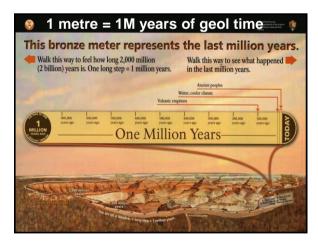
The Trail of Time is the world's largest Geoscience exhibition at the world's grandest geologic landscape

It is a 4.56km long trail marked at every meter with 1 m = 1 million years of earth's 4.560 m year long geologic history

It is also supported by an electronic 'Virtual Trail of Time'

















Conclusions

- Geotourism contributes to sustainable development
- Its fosters geological conservation, awareness and appreciation
- It helps build local communities
- It contributes to regional and national economic growth



