

Outline of presentation

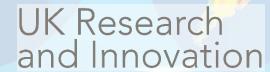
- What is geological tourism?
- Geological heritage and its conservation
- The UK experience
- UK environmental designations
- UNESCO Global Geoparks
- What about the UAE?

British Geological Survey (BGS)

The BGS is a world-leading geological survey that focuses on public-good science and research to understand earth and environmental processes.

www.bgs.ac.uk





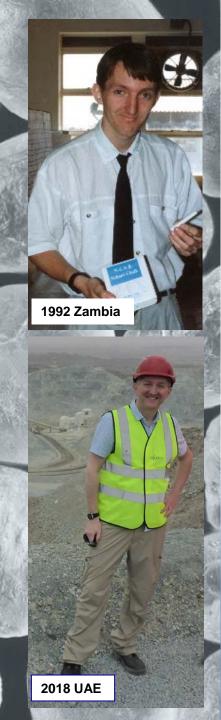




Clive Mitchell

Industrial Minerals Geologist

- Geologist and Industrial Minerals Specialist at BGS since 1989
- Chartered Geologist (CGeol) with Geological Society of London
- Past work in Afghanistan, Africa, Middle East and Thailand
- Resource assessment in United Arab Emirates including high-purity limestone, dimension stone & construction aggregate





Arouca Declaration, 2011

 Geological tourism is part of 'Geotourism' "Geotourism is tourism that sustains or enhances the identity of a territory, taking into consideration its geology, environment, culture, aesthetics, heritage and the wellbeing of its residents. Geological tourism focuses on geology or geomorphology."

Geoconservation

- Geoconservation involves recognising, protecting & managing sites/ landscapes important for their rocks, fossils, minerals, or other geology or geomorphology
- Geodiversity is a key concept variety of rocks, minerals, fossils, landforms, sediments & soils, with the natural processes which form & alter them.

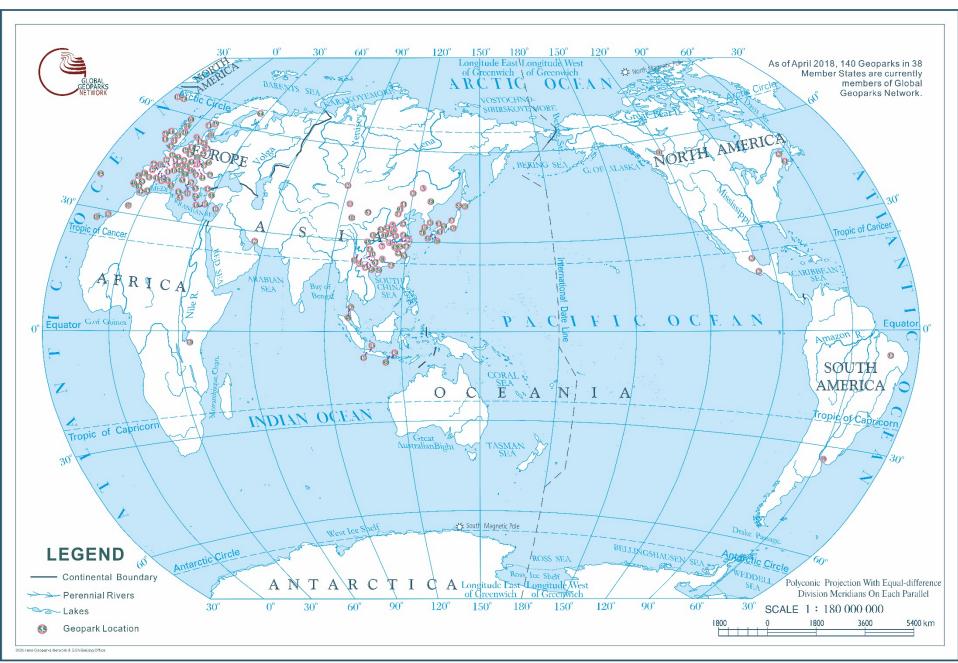
The UK experience

- Environmental designations protect sensitive landscapes from development
- National Parks, Areas of Outstanding Natural Beauty (AONB) & Sites of Special Scientific Interest (SSSI)
- Regionally Important Geological Sites (RIGS), Limestone Pavement Areas & Special Landscape Areas
- UNESCO Global Geoparks

UNESCO Global Geoparks

- Single, unified geographical areas where sites and landscapes of international geological significance are managed with a holistic concept of protection, education and sustainable development.
- 140 UNESCO Global Geoparks in 38 countries with 69 in Europe (7 in UK) and 45 in Asia (37 in China). Only one Geopark in the Middle East (Qeshm Island in Iran) & none in GCC.

Distribution of GGN Members



Kents Cavern, English Riviera UNESCO Global Geopark, UK



Fforest Fawr UNESCO Global Geopark, Wales, UK



Geological interpretation board, Fforest Fawr UNESCO Global Geopark, Wales, UK



www.forestry.gov.uk/cymru www.forest.gov.uk/wales

www.breconbeacons.org

www.geoparcyfforestfawr.org.uk www.fforestfawrgeopark.org.uk



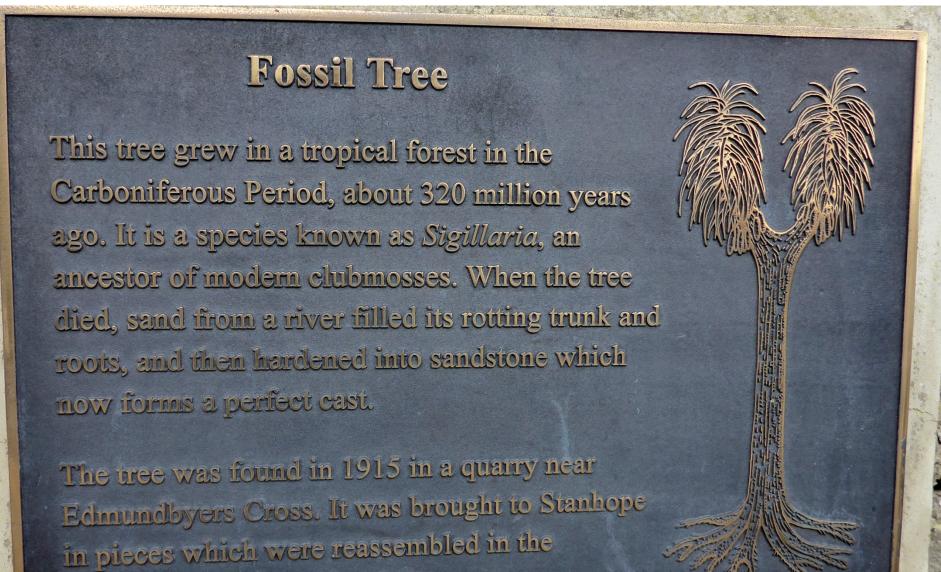






Fossil Tree, North Pennines UNESCO Global Geopark, UK

churchyard in the early 1960s.

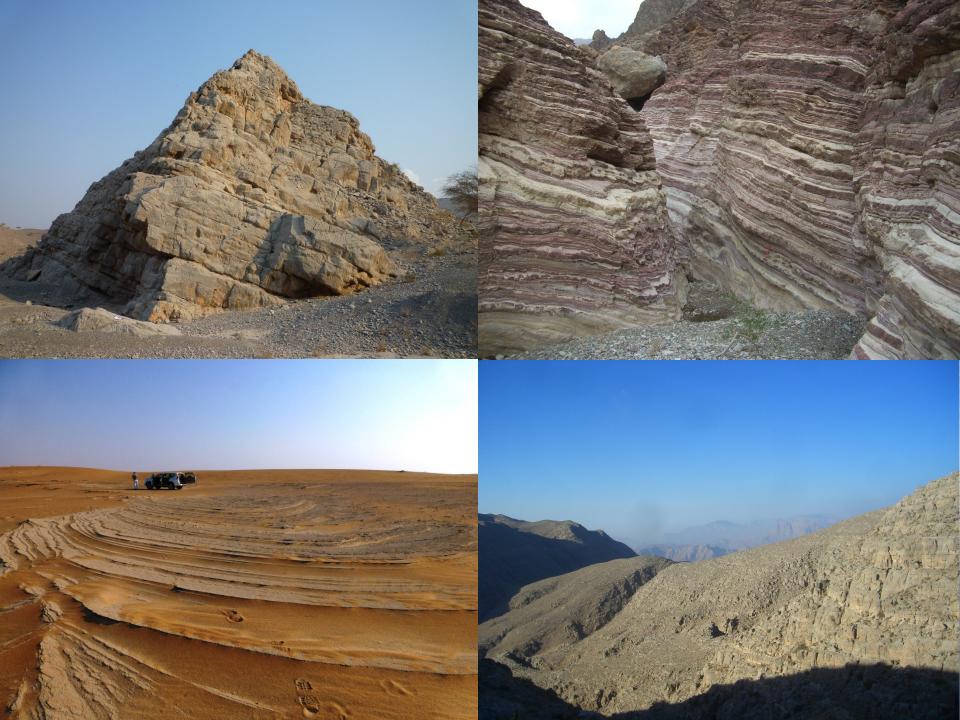


Fluorite, North Pennines UNESCO Global Geopark, UK



Case for a Geopark in the UAE?

- Tourism is growing in UAE, geological tourism would be a new aspect
- UAE has internationally significant geology e.g. UAE-Oman Ophiolite, Hajar mountains, Wadis (e.g. Wadi Bih)
- UNESCO designations proposed in UAE include: coastal sabkha, cultural sites Al Ain, Sir Bu Nair Island & Khor Dubai





BGS Geopark experience 1

- UK has 7 UNESCO Global Geoparks
- BGS is a member of the UNESCO Global Geopark Council (one of 12 voting members selected by the Director General of UNESCO to manage and govern the UNESCO Global Geoparks around the world)

BGS Geopark experience 2

- BGS carries out independent studies for prospective UNESCO Global Geopark sites to identify geological sites and advise on the application, establishment, development, education, conservation and sustainable development.
- BGS has worked with Geoparks in:

Brazil, Canada, China, Germany, Greece, Hong Kong, Iran, Ireland, Italy, Japan, Korea, Norway, Portugal, Russia, Spain & the UK.

Conclusions

- Geotourism goes hand in hand with protection of geological heritage
- The UK experience is formal recognition of geological sites and integration with the development planning system
- There is potential for the UAE to further develop geotourism and create a UNESCO Global Geopark

Thank you for your attention!

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