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Geological Background of Japan • Since Japan is the archipelago formed geologically by convergence of four plates, volcanic and seismic activity is very high. Volcanic activity has created many beautiful landforms and produced fertile soils, geothermal energy and mineral resources in many places in the geological time scales.



Characteristics of Japanese geoparks

- - Remnants from earthquakes and volcanic eruptions are highlighted.
 - Geo-tourism and school education including disaster prevention education lead the world (however, it looks too much disaster issues). Because of high geodiversities, stories of geosites are strongly emphasized.

Geoparks' basic concept on natural hazards (Shimabara Declaration)

- 1. Tohoku earthquake-tsunami and geopark
- 2. Role of geoparks in natural disasters
- 3. Role of Geoparks in Climate Change debate
- 4. Role of Geoparks in Natural Resource Management
- Conservation and utilization of geopark heritage
- 6. Establishment of cooperation among geopark-related communities



Shimabara declaration

- Facing the huge disaster from the tsunami generated by the earthquake of magnitude 9.0 in Tohoku, Japan, on 11 March 2011, the experience of local communities and the destruction generated by the disasters shall be utilized by the geopark community as a tool for the education of people living in geohazard-prone areas of the Earth for minimizing disasters caused by geohazards.
- 2) Our Earth brings us blessings including natural resources and beautiful, inspiring landscapes. However it can also occasionally generate large disasters such as earthquakes, tsunamis, volcanic eruptions, landslides, and floods. Education about our dynamic planet in geoparks is a most effective way to help our local communities to understand how to coexist with nature which 2000casionally generates geohazards.

Bottom-up geotourism in Muroto Geopark

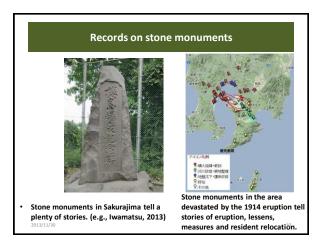
Geotourism Promotion Team

Local people planed, prepared and operated the geo-tours.
High school students were also involved in the planning





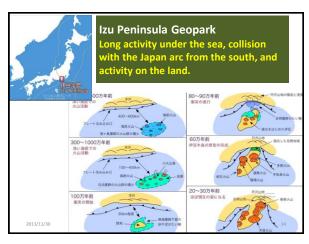


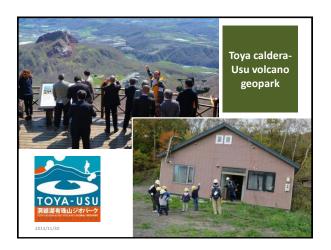










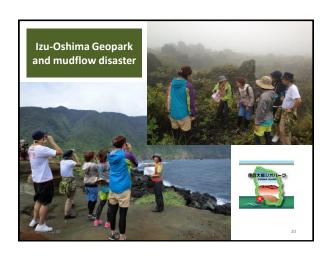


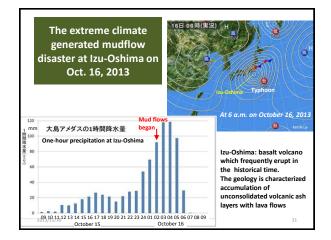


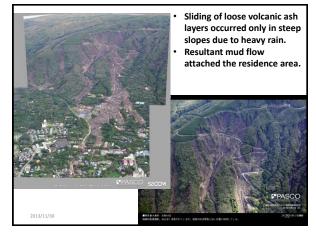








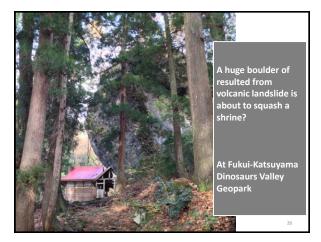












Summary: geotourism in active volcanoes

- About half of Japanese geoparks contain the Quaternary volcanic fields and 11 geoparks contain active volcanoes in their territories.
- Hazards from volcanic eruptions repeatedly damaged human lives in those areas as well as seismic hazards.
- The role of geo-tourism in the volcanic geoparks in Japan may be different from that in non-volcanic geoparks outside Japan.
- Geotourism developed in those geoparks does not only provide stories on the volcano and Earth's history to visitors, but also should provide enough knowledge on volcanic hazards, and convey the disaster experiences of local people to them.

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