

## Geotourism in Africa – proposition of case studies

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## 40 Years Listening to the Beat of the Earth

# Geotourism in Africa.

- ✓ **Geotourism integrates the preservation of geological heritage into regional economic development and management strategies.**
- ✓ **Some countries in Africa have started to develop schemes for recognizing important geological and geomorphological sites or landscapes within their borders.**
- ✓ **A preliminary inventory of potential geosites has been compiled for a few countries only: Ethiopia, Kenya, Namibia, South Africa, Tanzania and Uganda. It covers about 10% in the scale of the whole African continent (according to T. Schlüter. 2006).**



# Geosites database for S. Africa (SADC region)

**Project proposal in cooperation with:**

**SA, Council for Geoscience – Dani Bernardo**

- ✓ Online database of geological sites in Africa was initially developed by the Council for Geoscience (CGS) in South Africa.
- ✓ A total of 121 described geosites are already available via the Internet. These sites are located mainly in South Africa, as well as in Zimbabwe and Lesotho.



# Geosites database for S. Africa

- ✓ The online database will contain location and descriptive and contact information about geologically attractive and interesting sites in Africa. The database will identify these sites to potential visitors and is aimed at education, as well as attracting tourists and potential investors in geotourism to these sites. Preservation of the sites can be also beneficial and make possible protection of these sites in landuse planning of future expansion, mining and other investments.







**Geological Society of South Africa is promoting establishment of Africa's first Geopark at the Tswaing Meteorite Impact Crater**



**EuroGeoSurveys** - The Geological Surveys of Europe







**One of the geosites from initial data base - Table Mt. – Cape Town**



**EuroGeoSurveys** - The Geological Surveys of Europe



# Development of Geosites Database for Tanzania

**Project proposal in cooperation with:  
Tanzania, SEAMIC – Ketema Tadesse**

- ✓ Tanzania is known as a favourite tourist destination for its natural and historical heritage. The highest peak of the continent, Kilimanjaro Mountain and the Serengeti Plane known to have the large collection of the major wild life varieties in the continent are the main attractions of the tourism industry.
- ✓ Application to the Polish Ministry of Foreign Affairs for financial support.



# Development of Geosites Database for Tanzania

During the workshop on “Geosites and Geoconservation in East Africa”, held in Nairobi in February 1999 the following geosites were proposed and recommended to Tanzania:

- **Tendaguru Hill,**
- **Ngorongoro Crater,**
- **Oldoinyo Lengai Volcano,**
- **Laetoli Fossil Site,**
- **Olduvai Gorge,**
- **Mbozi Iron Meteorite.**





# Oldoinyo Lengai

**the world's only active volcano erupting carbonatite lava in northern Tanzania. Activities like volcanism, seismicity, weathering and erosion can be easily studied here. The volcano is sacred to the Maasai of East Africa and they worship it as their god.**



# Ngorongoro Crater



**spectacular site, a home of thousands of wild animals is underlain by Pliocene Olivine basalts and pyroclastics. The crater is famous for varieties of wildlife, 'magic' moving sand, and spectacular geomorphology.**

**Ngorongoro Crater is nevertheless the largest, inactive, unbroken and unflooded caldera in the world.**







**Kilimanjaro the snow capped mountain, is the highest point in Africa. It is cut across and experiences high temperatures of equatorial climate. The mountain is a source of many springs, which are tributaries for most of the big rivers in Tanzania.**





# Geo-tourism in Central Copperbelt of Zambia and Congo DR

**Project proposal in cooperation with:**

**Zambia, UNZA – Prof. Imasiku Nyambe**

**Congo DR, University of Lubumbashi – Prof. François Lubala  
Toto Ruananza**

- ✓ The top attraction Victoria Falls World Heritage Natural Monument Site was visited by about 100,000 tourists in 2002.
- ✓ Apart from the Victoria Falls, the management of other geological sites is limited and therefore does not contribute meaningfully to the tourism industry in Zambia.





# Victoria Falls

**world heritage natural  
monument site**

# Geo-tourism in Central Copperbelt of Zambia and Congo DR

- ✓ The project proposal is focused on documenting the potential geoparks which could be established in the territory of Zambia and Congo DR. Examples of such prospective areas include abandoned open pit such as: Chambeshi, Mindola or Mbwana - Mkumbwa in the Copperbelt.







**Chambeshi open pit: a spectacular geological site**



**EuroGeoSurveys** - The Geological Surveys of Europe







**Mbwana-Mkumbwa open pit**



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# THANK YOU FOR YOUR ATTENTION



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