

NGORONGORO LENGAI UNESCO GLOBAL GEOPARK

GGN - Geopark Annual Report, 2022.

1. GEOPARK IDENTITY

Geopark name: Ngorongoro Lengai UNESCO Global Geopark

Country: Tanzania

Regional Network: African UNESCO Global Geoparks Network.

Year of inscription / Year of the last revalidation: 2018/ 2022



Figure 1: First revalidation mission into Ngorongoro Lengai UNESCO Global Geopark. Evaluators meeting with the Geopark's management board.

2. GEOPARK FIGURES

Number of Geopark staffs: 6 staffs including 1 geoscientist(s)

Number of visitors: If total number of the visitors to the geopark is difficult to estimate, show the number of the visitors to the major geosite(s), museum or visitor center.

| YEAR ,2022 | Non-Resident | Resident |
|------------|--------------|----------|
| JANUARY | 18,501 | 17,746 |
| FEBRUARY | 23,168 | 15,155 |
| MARCH | 13,053 | 12,447 |
| APRIL | 12,320 | 11,900 |
| MAY | 13,574 | 13,250 |
| JUNE | 30,469 | 20,765 |
| JULY | 61,157 | 28,376 |
| AUGUST | 70,887 | 36,350 |
| SEPTEMBER | 42,431 | 25,584 |
| OCTOBER | 44,398 | 26,084 |
| NOVEMBER | 25,611 | 18,698 |
| DECEMBER | 33,284 | 30,067 |

Number of Geopark events: Clarify the events held by management body and cooperative organization

- Collaborate with Geological Society of Tanzania TGS to celebrate the First Geodiversity Day on 6th October, 2022 held at Arusha AICC Conference.

Number of school classes realize Geopark educational programme:

- I. Collaborate with other five geoparks from four continents in the IGCP 751 Geo is Fun project.
- II. Ten schools selected to participate in 4Geon Project which have been visited regularly after every two weeks to deliver geoeducation.
- III. A committee of school teachers created to participate and create a new school program and education toolkit.
- IV. Onsite lectures and site visit for individuals, colleges, schools, and universities were delivered at Ngorongoro Main Gate, Olduvai Museum, and information Centres.

Number of Geopark press release: One press release for 2022, but three international publications made regarding to the Shifting Sand Geosite.

3. GEOPARK ACTIVITIES

Major achievements in 2022

- The first revalidation of the geopark was successfully facilitated and conducted.
- Participation in 4Geon Geo is Fun project.
- Opening of new Geopark Information Centre at Zinj Tower/ Olduvai Junction.
- Facilitating all geoparks committees to function
- Conduct geohazard and local guide trainings
- Nominate Laetoli – Olduvai Gorge Site into the First 100 IUGS Geological Heritage Sites
- Review of geopark promotion materials.
- Collaborate with stakeholders to celebrate the Geodiversity Day to promote geotourism and geoheritage conservation in Tanzania.

Contribution towards GGN - Networking and participation

- Geopark staffs attended and presented during a Workshop on UNESCO Global Geoparks in Africa, Baringo, Kenya.
- Participated and presented during the Third Digital course on UNESCO Global Geoparks 2022 “UNESCO Global Geoparks and Geotourism”.

- Attended the kickoff meeting of the 4Geon Project
- Establish networking with Barrandian and Bohol Geoparks involved in 4Geon project.
- Participating in African UNESCO Global Geoparks regional meetings.
- Welcoming Baringo Aspiring Geopark management body on Onsite Learning and Exchanging Ideas on Operation and Evaluation of Geoparks program.

Management and Financial Status

The Ngorongoro Lengai Geopark is managed through a stable management board formed by the three districts of Karatu, Monduli and Ngorongoro, and the NCAA. Addition members are local communities which presented through Ngorongoro Pastoral Council (NPC), local community groups and Community Based Organizations (CBO) working within the geopark. Additionally, are Higher learning institutions, Government and Non-Government Organization (NGOs) deals with geoscience and tourism related activities invited in different committees to provide their expertise to the management.

All geopark activities are streamlined into annual workplan of the Ngorongoro Conservation Area Authority, under Cultural Heritage Department which is responsible for the management of geological, cultural and natural heritage resources.

The direct annual budget of the Geopark for its activities and events is approximately \$150,000. It works on a project basis and all day-by-day cost are secure by its structure planning. Other major works such as conservation, protection and infrastructure developments and maintenance are streamed into related departments like Protection, Ecology, and Engineering Depts.

Geoconservation

- The three quarter of the geopark area is protected area where no human activities related with agriculture, deforestation, and mining are permitted, but communities are involved in management of the geosites and practicing their culture and live within the area. Nevertheless, few areas need more education on management of historical, natural, and cultural heritage sites. Such areas are Laetoli World heritage site and Engaruka ruins where cattle, sheep and goats are dancing on these sites so they speed up erosion or disintegrate the ruins arrangements. Rock paintings at Mumba and Nasera facing challenges of drawing other paints on top of the old one.
- Restoration of the Engaruka Ruins.
- Removing of endangered cast and original artifacts and fossils from Laetoli to Olduvai Gorge Museum for protection.

- Regular trainings and awareness campaign to local communities.
- Creating awareness on dealing geological materials
- Installation of geological and natural warning signage

Sustainable tourism (Geotourism)

- In 2022 the NCAA and Geopark team managed to assess the existing trail of the Loolmalasin Mt, to establish proper route to the summit. The Loolmalasin Mt. is the third highest mountain after Kilimanjaro and Mt. Meru. It is among the nine volcanic cones which makes the Ngorongoro Crater Highlands. The trail examined and evaluated for opening next year as one of the geotourism product together with Empakaai and Olmoti craters.
- Construction of two viewpoints were started to establish visitors stop centres for geotourism and education purposes. The first viewpoint constructed in Karatu, outside NCA area, and mainly for crater highlands panorama. The second viewpoint is at Malanja depression, one of the amazing attractions within our area. It will give details of first eruptions and evolution of Ngorongoro volcanics as well the life of Masaai local community within the Ngorongoro.
- The min visitor's centre (information centre) at Olduvai Gorge junction were completed and opened to the public to facilitate geoheritage and geotourism information and education of the area.
- Another new min information centre construction commenced at Mumba Rock Shelter Geosite, outside NCAA, expected to complete at mid-2023. It will popularize geotourism and geoeducation of the Eyasi area.
- New picnic site at Bao Geosite were completed and opened to the public. This is the only site within the geopark which gives great viewpoints of major rock unity and landscape of the area.

New education programme on geoconservation, sustainable development and disaster risk reduction

- Cooperate 4Geon education program and activities into existing geopark education program, including geobus, geocontest and geocourse.
- Conducted geoheritage and geotourism education and awareness to Tanzania Geological Society members during the first celebration of Geodiversity Day.
- Preparing new education and training guidelines for primary and secondary schools.
- Geohazards training and workshops to stakeholders and local communities.
- Facilitate onsite/ field trips trainings to visitors through local tour guides.
- Regular students training at Olduvai Museum, Laetoli, Mumba rock shelter, and Engaruka ruins.

- Geopark staffs commencing new education strategy to visit universities and colleges as guest lectures to spread geoheritage education.

Strategic partnership

- Establish partnership with National Museum of Tanzania, Arusha Branch to establish geopark corner.
- Helping
- In contact with other geoparks to establish research and education exchange programs
- Collaboration with four geoparks in 4Geon project.
- Reviewing and signing M.O.U with Geological Survey of Tanzania.

Promotional activities

- Create and update geopark social media promotion platform
- Production of new geopark guide book
- Produce brochures in Swahili and English
- Create and relaunch new social medias and geopark website

4. CONTACTS

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