5-days Summer school

Conservation of Subterranean Fauna in Zanzibar Island

20th -24th January, 2019

Background: Globally, the subterranean environment is composed of a unique fauna of unheralded diversity (Gilbert *et al*.,2009). However, due to complexity in exploring the underground environments, current distribution of most subterranean fauna remains unknown (Niemiller *et al*, 2012). Further, many of these species are of high conservation concern, which calls for urgent and effective conservation and management strategies (Hutchins, 2018).

Source: fws.gov

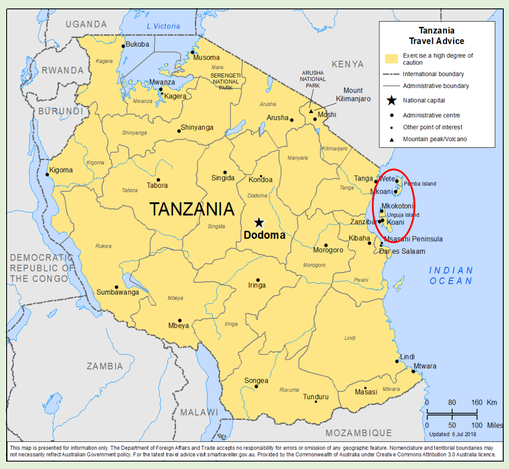
Source: cavebiology.net

Source: HBSD

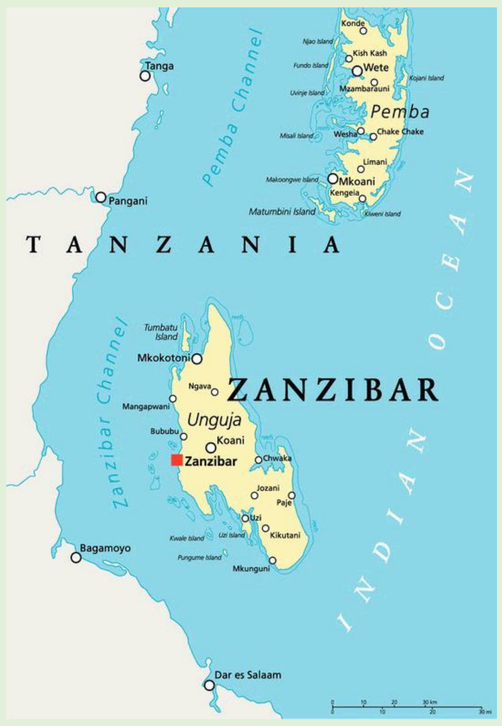
Learning Outcomes

- Distinguish major groups of subterranean fauna
- Generate maps showing the distribution of subterranean fauna
- Identify the major threats to survival of subterranean species
- Use geospatial techniques for conservation of subterranean species

Source: Kylie Lefkowitz



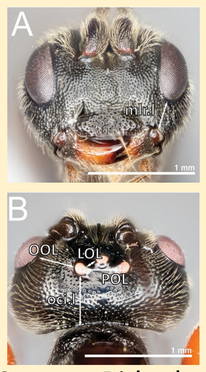
Source: smarttraveller.gov.au



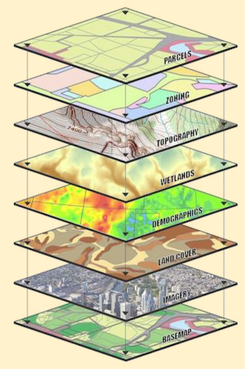
Source: africaguide.com

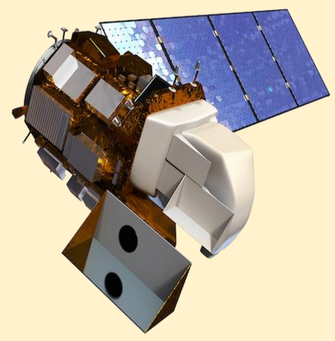
Goal

Participants will be able to apply morphometric techniques and geospatial technology in addressing major threats to the conservation of subterranean fauna in Zanzibar



Source: Ridenbaugh *et al*, 2018





Source: Lgg-Cnr (GIS lab)

Learning Environment

- Presentation lectures
- Computer practice sessions
- Assignments – identification of species
- Biology laboratory practicals
- Open source software – GRASS, R, QGIS

Target Group

This **5-day Summer School** target participants who must be holders of MSc degree in any of the following fields:

- ❑ Biology
- ❑ Environment
- ❑ Ecology
- ❑ Aquatic sciences

The training will be conducted at Nelson Mandela University, South Africa from 20th to 24th January, 2019

Send your application to: application@nmu.ac.sa

Application Deadline: 30th November 2018

References

1. Gilbert *et al*., (2009). Freshwater Biology , 54, 930-941
2. Niemiller *et al*, (2012). Evolution, 66-3: 846-866
3. Hutchins (2018). Biodiversity and Conservation, 27(**2**), 475 - 501

Sponsors

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