



Application Reference No: **NEMA/AGR/070/2019**

Registration No.....**065**

Form of Access Permit

This permit is hereby granted to **Prof. Mar Cabeza of Passport/ID No.PAC 204236 Department of Biosciences, University of Helsinki, Viikinkaari 1 F100014, Helsinki, Finland** in accordance with regulation 11 of the Environmental Management and Co-ordination (Conservation of Biological Diversity and Resources, Access to Genetic Resources and Benefit Sharing) Regulations, 2006 for the collection of the following genetic resources:

Not more than 20 species of small mammals used, 300 individuals captured and 300 hair samples collected, Not more than 12 species of Bats used, 6 genera, 350 individual captured and 350 wings of biopsy samples collected, Not more than 50 species of Amphibians and Reptiles used, 400 individual captured and 80-100 samples of specimen collected, Not more than 30 species of scats used, 1000 individuals captured and 200 samples collected and Not more than 400 species of insects used, 3000 individuals captured and 1500 of samples collected under the study: "Socio-Ecological changes in Sibiloi National Park and surroundings, Kenya; An integrated, inter-disciplinary Approach."

Location at: **Sibiloi Park and its Environs in Marsabit County**

This permit is issued subject to the Regulations and all agreements concluded pursuant to its grant, and may be suspended, cancelled or revoked should the holder breach any of those agreements and the conditions of issue and those contained in the Regulations.

Prof. Mar Cabeza of Department of Biosciences, University of Helsinki being the holders of this permit, including their agents and assignees, undertake to abide by the conditions of this permit and to promptly report to the National Environment Management Authority (NEMA) any matter that may prejudice the interests of Kenya and other parties concluded pursuant to the grant of this permit.

Signed: 

Director General,

National

Environment

Management

Authority

Date: **08-05-2019**

P.T.O.



ISO 9001 : 2008 Certified

PERMIT CONDITIONS:-NEMA/AGR/070/2019

1. This permit shall be **valid for 12 months** from the date of issuance and shall not be transferable.
2. This permit is for accessing Small mammals, Bats, Amphibians and Reptiles, Scats and the insects in the prescribed quantities **Not more than 20 species of small mammals used, 300 individuals captured and 300 hair samples collected, Not more than 12 species of Bats used, 6 genera, 350 individual captured and 350 wings of biopsy samples collected, Not more than 50 species of Amphibians and Reptiles used, 400 individual captured and 80-100 samples of specimen collected, Not more than 30 species of scats used, 1000 individuals captured and 200 samples collected and Not more than 400 species of insects used, 3000 individuals captured and 1500 of samples collected under the study: "Socio-Ecological changes in Sibiloi National Park and surroundings, Kenya; An integrated, inter-disciplinary Approach."** Collected samples to be exported to Global Change and Conservation Lab, Faculty of Biological and Environmental Sciences, University of Helsinki, Finland, for advanced genetic analysis.
3. The samples shall retain their original KWS references. The accessed genetic resources and its derivatives shall be strictly held in KWS, University of Helsinki, Finland.
4. You shall ensure that the samples are well treated and preserved using the provided standards and procedures before storage and export to University of Helsinki, Finland.
5. You shall ensure that the basic analysis of the genetic resource such as identification, cataloging, analyzing and preservation of the samples to good laboratory standards are done locally at the KWS. You shall ensure that the local partner: KWS is involved in the collection, identification and preparations of the samples for export.
6. The genetic resource and the derivative shall not be transferred to a third party without the consent of the genetic resource providers KWS, and NEMA. The genetic resource and the derivative shall not be used for commercial or profit purpose without understanding from genetic resource providers KWS, and NEMA.
7. You shall deposit and keep records of all duplicates of the genetic resources with the relevant lead agency KWS and provide evidence of deposition to NEMA.
8. You shall ensure that there is reasonable access by all Kenyan citizens to all genetic resources and information collected whether such genetic resources and intangible components including digital sequencing are held locally or abroad.
9. Ensure that all agreements entered into with respect to access of genetic resources shall be strictly for the purposes for which they were entered into. You shall abide by the provision of the Material Transfer Agreements entered with the providers of genetic resources.
10. You shall ensure that the local community/s Traditional knowledge on the genetic **resources including Digital Sequence Information (DSI)/ Synthetic Biology** and their uses are well safeguarded.
11. You shall provide a status report of the environmental impacts of collection to the genetic resource.
12. You shall abide by the Relevant Laws of Kenya.
13. You shall furnish quarterly reports to NEMA on the status of research, including all discoveries from research involving genetic resources and/or intangible components. You shall comply with the improvement orders issued by NEMA's environmental inspectors throughout the project cycle.