

Great African Rift

GDR **RIFT** *interdisciplinary* colloquium

MAASAI MARA
UNIVERSITY

May 13th to 17th, 2024
Narok, KENYA

<https://rift-cnrs.fr/>
rift.colloquium2024@gmail.com



3rd **GDR Rift** *Interdisciplinary colloquium*

MONDAY 13th

8:30 AM to 10 PM	(90mn)	OPENING CEREMONY & TREE PLANTING
10:30 AM to 12 PM	(90mn)	DELEGATES SPEECH & SIGNATURE MoU
12 PM to 12:30 PM	(30mn)	KEYNOTE LECTURE I
2 PM to 4:30 PM	(150mn)	SETTLEMENT / ENERGY
5:00 PM to 6 PM	(60mn)	POSTER SESSION I
5:30 PM to 6 PM	(30mn)	FRENCH SCIENTIFIC COOPERATION

TUESDAY 14th

8:30 to 9 AM	(30mn)	KEYNOTE LECTURE II
9 to 10:30 AM	(90mn)	CAUSES & EFFECTS I / HEALTH I
11 to 12:30 PM	(90mn)	PRESERVATION I / HEALTH II
12:30 to 1 PM	(30mn)	KEYNOTE LECTURE III
2 to 4:30 PM	(150mn)	COSMOPOLITICS / MODELLING
5 to 6 PM	(60mn)	POSTER SESSION II
from 8 PM	(evening)	GALA DINNER

WEDNESDAY 15th

8:30 AM to 9 AM	(30mn)	KEYNOTE LECTURE IV
9 AM to 10:30 AM	(90mn)	CAUSES & EFFECTS II / PRESERVATION II
11 AM to 1PM	(120mn)	WORKSHOPS I & II
2 PM to 4 PM	(120mn)	WORKSHOPS III & IV

THURSDAY 16th & FRIDAY 17th

From 8 AM FIELD VISITS at Mt SUSWA & OL NJORUA GORGE



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DELEGATES SPEECH
10:30 AM to 12 PM (90mn)
Conference Hall

- Mr. Lankeu Reson (Maasai Mara University)
Director Public relations & Linkages
- Prof. Bulitia Godrick (Maasai Mara University)
Deputy Vice-Chancellor - Academics & Student's affairs
- Prof. Jean-Baptiste Eczet (EHESS)
Deputy director of the GDR Rift / Scientific comity of the colloquium
- Prof. Mathieu Guérin (French Embassy)
Attaché for Science and Higher Education / Deputy Head of Cooperation
- Prof. Leopoldo Iribarren (EHESS)
Vice-Président of the EHESS in charge of International Relations
- Prof. Aloo-Obudho (Maasai Mara University)
Vice-Chancellor

KEYNOTE SESSIONS
Conference Hall

- Lecture I / Monday 13th / 12 PM to 12:30 PM
Prof. Christel Tiberi - CNRS & Director of the GDR Rift
How to implement interdisciplinary? An experiment
- Lecture II / Tuesday 14th / 8:30 to 9 AM
Prof. Jean-Renaud Boisserie - CNRS & CFEE
The interdisciplinary facets of deep time research
- Lecture III / Tuesday 14th / 12:30 to 1 PM
Prof. Cédric Gaucherel - INRAE
How to train a model: building a possibilistic model for understanding social-ecological systems
- Lecture IV / Wednesday 15th / 8:30 AM to 9 AM
Prof. Karoli Njao - NM-AIST / MEWES
Energy versus resources paradigm in the Rift

FRENCH SCIENTIFIC COOPERATION & FUNDING OPPORTUNITIES
Conference Hall

- Conference / Monday 13th / 5:30 PM to 6 PM
Prof. Mathieu Guérin - French Embassy



SETTLEMENT

MONDAY : 2 PM to 4:30 PM

Room : Conference Hall

Misganaw Gebremichael Woldetsadik

Student, PACEA, University of Bordeaux

Stone Tool Production Strategies and Functional Properties in Middle Pleistocene Herto, Middle Awash, Ethiopia.

Alemu Gebresilassie Wolde

Lecturer, Wolaita Sodo University

Reduction Sequence and Toth Analysis of the Ledi-Geraru Oldowan Lithics from Bokol Dora 1 (BD1) Assemblage

Desta Haileyesus

Lecturer, Mekelle University

A Typological Classification And Analysis Of Potsherds From Mariam Nazret, Tigray, Ethiopia

Endris Hussien Siraj

Lecturer, Haramaya University

Preliminary Survey Results from a Medieval Islamic Settlement Site in Eastern Ethiopia: First Archaeological Insight from Fedis”

Laura Maréchal

Postdoctoral Researcher ARCAN (University of Geneva)

Early agropastoralist societies in the Gobaad basin (Republic of Djibouti): biological diversity, funerary practices and prospects on human-environment interactions and societal transformations during the Middle Holocene

Garedow Abiba Benja

Phd student, Addis Ababa University

Ethnoarchaeology: Landscape and Materiality of Gadaa Ritual Practices of Borana Pastoral Communities in East Africa

Anne-Lise Goujon

Phd, Deputy Director, French Center for Ethiopian studies

Are the soul and the skills of Ethiopian potters in danger ?

MODERATOR : David Pleurdeau



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ENERGY

MONDAY : 2 PM to 4:30 PM

Room : LT MH-01

Lydia Roos

Senior Research, CNRS/LPNHE-IN2P3

Prospects for geothermal studies using muography in Kenya

Edmund K. Gathuru

Lecturer, Maasai Mara University

Analysis of the kenyan power system and its integration into the Eastern Africa power pool

Benoit Hazard

Researcher, CNRS

Energy poverty, pastoralism and low tech: a path toward strong sustainability?

Adam Faraji

Phd student, The Nelson Mandela African Institution of science and Technology

Gravitational water vortex energy generation from small water bodies for isolated settlements in the Great Rift valley

Mohamed Soud Mohamed

Student, The Nelson Mandela African Institution of Science and Technology

Anaerobic digestion process enhancement through the exploration of iron waste nanoparticles from grinding machines

Vicent Marwa Kikohi

Student, The Nelson Mandela African Institution of Science and Technology

Improving insulation capability in a performance analysis of a solar cooler for postharvest storage products

Thomas Kivevele

Researcher, The Nelson Mandela African Institution of Science and Technology

Innovative rock-based solar collectors for drying applications

MODERATOR : Motochi Isaac



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CAUSES & EFFECTS I

TUESDAY : 9 AM to 10:30 AM

Room : LT MH-01

Makwata Harun Omukuba

Faculty member, Maasai Mara University

Maasai Mau Complex Degradation: Effects On Maasai Culture And Human Wildlife Conflict

Otieno Evans

Lecturer, Turkana University College

Factors Driving the Exclusion of El Molo in the North Western Region in Kenya

Judith Adeline Medifo Dadji

Phd student, EHESS

Uses and representations of water by pastoralists in East Africa

Mpayan Cosmas Emejen

Student, Maasai Mara University

Investigation and Analysis of Conflict among Pastoralist in Baragoi Area Samburu County Using Regression

Stephanie Gautier

Associate Professor, University of Montpellier

A summer school for geological hazards assessment and risk evaluation in North Tanzania

MODERATOR : Jean-Baptiste Eczet





CAUSES & EFFECTS II

WEDNESDAY : 9 AM to 10:30 AM

Room : Conference Hall

Peter Mwirigi

Lecturer, Dedan Kimathi University of Technology

Carbon sequestration as influenced by different plant diversity at Dedan Kimathi University coffee farm in comparison to selected farmers in Central Kenya

Haimanot Mulugeta

Researcher, Amhara Agricultural Research Institute

*Evaluate the effect of stocking density on the physicochemical characteristics of pond water and survival rate of male Nile tilapia (*Oreochromis Niloticus*) Bahir Dar, Ethiopia*

Gordian Rocky Mataba

Lecturer, The Nelson Mandela African Institution of Science and Technology

*Impact of the anthropogenic pollution and artisanal fishing on the population of Tilapia fish (*Oreochromis niloticus* and *Oreochromis amphimelas*) in Lake Manyara, Northern Tanzania*

Gracia Luis Mandava Jaime

Researcher, Lurio University - Faculty of Natural Sciences

Biodiversity survey of fresh water fishes within Gurangoa National Park, Central Mozambique

MODERATOR : Sammy Mutisya



PRESERVATION I

TUESDAY : 11 AM to 12:30 PM

Room : LT MH-01

Evance Ouya

Researcher at Maasai Mara University & Moi University

Impacts Of Anthropogenic Habitat Modification On Mammal Diversity At The Mau Forest Complex, Kenya

Tewodros Moges Habetemichael

Graduate student, Addis Ababa Universtiy

Safeguarding Our Shared Heritage: A Comprehensive Study of Cultural, Human, and Wildlife Contributions to Biodiversity Conservation in the Rift

Sintayehu Gobezie Abebe

Technician and Researcher, South Ethiopia Public Health; Lower Omo Natural medicine association

Ethnobotany towards Biodiversity conservation and food security from ethnobotanical survey of wild edible plants among the Mursi, Bodi and Bacha Communities in lower Omo valley of south Omo zone, southern Ethiopia

Jane M. Macharia Kanyi

Researcher, National Museum of Kenya

To assess the importance of botanic gardens as biodiversity habitats a study was carried out in Nairobi Museum Botanic Garden (NMBG)

Ben R. Ole Koissaba

PhD, Rarin Consulting Services

Appreciating Traditional Knowledge in Nature-Based Solutions to Climate Change

MODERATOR : Jedidah Nankaya



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PRESERVATION II
WEDNESDAY : 9 AM to 10:30 AM
Room : LT MH-01

Wannaw Hailemariam

Researcher, Ethiopian Heritage Authority (EHA)

Conservational Challenges of the World Heritage Site of Konso

Janet Atho Ekalo

Phd student, Kenyatta University

Tree Conservation Challenges among the Indigenous Pastoral Rendille Community in Marsabit, Kenya

Lydia Nashipay Moshira

Researcher, Maasai Mara University

An Assessment of Ecosystem-based adaption approach in flood risk management in upper Suswa-magadi catchment area of Narok county, Kenya

Hiluf Berhe Woldeyohannes

Professor, Mekelle University

The state of Cultural Heritage of Tigray during the war from November 2020 to November 2022

MODERATOR : Benoit Hazard



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HEALTH I

TUESDAY : 9 AM to 10:30 AM

Room : Conference Hall

Gugulethu Tarakini

Researcher, Research and Education for Sustainable Actions

The Role of Media During COVID-19 Global Outbreak: A Conservation Perspective

Kennedy Karani Onyiko

Senior Lecturer, Maasai Mara University

A Youth Is Sufferer: Navigating Youth Development Challenges And Charting Pathways To Solutions In Kenya

Matiwos Damitew Yifatu

Student, Politecnico Milano 1863 /Institute of Ethiopian study's Addis Ababa University

Indigenous Medicinal Practitioners in Ethiopia: A Case Study of Herbal Medicinal Pharmacies, Clinics, and their Human Herbal Remedies in Addis Ababa

Brian Marvis Waswala Olewe

Researcher, Kenya National Commission for UNESCO

Water Quality and Quantitative Microbial Risk Assessment in Shared Wetlands: case study of Narok West Subcounty, Kenya

Wycliffe Wanzala

Professor, Maasai Mara University

The Invasive Alien Species Assessment and their Control: A Global Concern and Threat to Biodiversity

MODERATOR : Patrick Gudda



HEALTH II

TUESDAY : 11 AM to 12:30 PM

Room : Conference Hall

Essau Kipyego Serem

Lecturer, Maasai Mara University

Sero-Prevalence and Risk Factor Of Infectious Bovine Rhinotracheitis Virus (Type 1) in Meru County, Kenya

Mwema Felix Mwema

Lecturer, The Nelson Mandela African Institution of Science and Technology

Spatial Assessment of Fluoride Contamination in Cultivated and Uncultivated Soils Along the Slopes of Mount Meru

Kehongo Moses Nyanguru

Student, Maasai Mara University

Antimycobacterial Activity, Phytochemical Profile, and Molecular Docking of Albizia zygia (Dc.) J.F. Macrb, Used in Treatment of TB in Kenya

Revocatus Lazaro Machunda

Associate Professor, The Nelson Mandela African Institution of Science and Technology

Improving nutrients availability of high fluoride laden manure in the rift for sustainable crop production

MODERATOR : Ole Masago



COSMOPOLITICS

TUESDAY : 2 PM to 4:30 PM

Room : Conference Hall

Laurent Gabail

Associate professor, Université Toulouse-Jean Jaurès

From West to East: Comparative perspectives on the relationships between Age, Dance and Ritual in Africa

Bursuna Ejere

Phd student, Maasai Mara University

Inter-Ethnic Conflict Resolution Through Cultural Norms and Practices in Laisamis Sub-County, Marsabit County, Kenya

Tamas Régi

Associate professor/museologist, Museum of Ethnography, Budapest

The Politics of Magic in the Kilimanjaro Region

Lily Chemutai Koske

Lecturer, Maasai Mara University

Language as a tool for Environmental Awareness, Cultural Sensitivity, and Responsible Tourism Practices: Case of French for Tourism and Hospitality in Kenyan Universities

Justus Owino

Researcher/Lecturer, Kenya Water Institute

Breaking Taboos, building a Future: Analyzing Youth and Women's Knowledge and Attitudes towards Humanure for Circular Sanitation Economy in the Kenyan Rift

Augustine Jeke

Lecturer, Midlands State University

*University community attitudes, knowledge, and perceptions towards vervet monkey *Chlorocebus pygerythrus* (F. Cuvier 1821): A case of Chinhoyi University of Technology campus, Zimbabwe.*

Edward Lekaichu Ole Kateiya

Lecturer, Maasai Mara University

Securing Community Land Rights and Access for Climate Action: A Case of the Marginalized Indigenous Ilchamus Community in Baringo County.

MODERATOR : Jean-Baptiste Eczet



MODELING

TUESDAY : 2 PM to 4:30 PM

Room : LT MH-01

John Yawe

Phd student, The Nelson Mandela African Institution of Science and Technology

Mathematical Modeling and Performance Analysis of a Novel Solar-Biogas Hybrid Dryer for Drying Agricultural Products

Remigius Gama

Lecturer, University of Dar es Salaam

Geological Investigation of Hanang Volcano: A Comprehensive Analysis of the 3rd December 2023 Debris Flow Catastrophe and Structural Dynamics

Pierre Linchamps

Phd, University of Witwatersrand/Museum National d'Histoire Naturelle

Reconstructing Quaternary paleoclimates from the faunal composition of African Paleoanthropological sites with machine learning

Bisrat Gebreegziabher Araya

Phd student, PACEA, University of Bordeaux

A tropic shift of ancient Hominids within their ecosystems: qualitative modelling of ecological dynamics in Plio-Pleistocene from the Turkana depression, eastern Africa

Rahab.N. Kinyanjui & Jean-Philippe Brugal

Researcher, National Museums of Kenya / Senior Researcher, CNRS

Phytolith assemblages from Modern Herbivores' Teeth-Ecometrical proxy for reconstructing mammalian paleodiets

Edwin de Jager

Phd Student, Department of Archaeology, University of Cambridge

Unveiling Hominin Brain Evolution through Digital Endocast Analysis

Kilimo Thomas

Environmentalist, GIS Developer. Save The Elephants Organization.

AfriGIS Software Development

MODERATOR : Samson Mabwoga



WORKSHOPS

WEDNESDAY

11 AM to 1PM & 2 PM to 4 PM

- I. *How to write an article ?*
with J.-R. Boisserie (Conference Hall)
- II. *How to write a research project ?*
with Jessie Cauliez (LT MH-01)
- III. *How to name things in multilingual & interdisciplinary researches ?*
with J.-B. Eczet (Conference Hall)
- IV. *Interdisciplinary practice.*
with Christel Tiberi (LT MH-01)

FIELD VISITS

Mt SUSWA

THURSDAY 16th, from 8 AM

Crater walk
Caves exploration
Steam vent water collection
Maasai village visit



OL NJORUA GORGE

FRIDAY 17th, from 8 AM

Gorge walk
Community experience on
invasive weeds
Tree planting
Meeting with pupils



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Director of the GDR Rift :

Pr. Christel Tiberi – *CNRS*

Scientific comity (by alphabetic order) :

Mr. Marjan Abdallah – *Maasai Mara University*

Pr. Romulus Abila – *Maasai Mara University*

Mr. Bakari Chaka – *Maasai Mara University*

Pr. Jean-Baptiste Eczet – *EHESS*

Dr. Charity Konana – *Maasai Mara University*

Dr. Aloys Osano – *Maasai Mara University*

Pr. Olga Otero – *Université de Poitiers*

Mr. Lankeu Reson – *Maasai Mara University*

Pr. Justus Simiyu – *Maasai Mara University*

Dr. Antoine Souron – *Université de Bordeaux*



