

Tuesday 22 November 2022

8:30-9:00 Welcoming of participants

9:00-9:30 Introduction

09:30-12:30 Understanding the rift and anticipating its future: contribution of modelling

Salle Coligny

VISIOCONF - Register in advance for this meeting: <https://umontpellier-fr.zoom.us/meeting/register/tJAufuyppj8gHdR0sRzQ9OgXePr5fH9iX6mG>

9:30 Atmospheric Drivers of Rainfall Events in the Republic of Djibouti
Moussa Mohamed Waberi, Pierre Camberlin, Benjamin Pohl, Omar Assowe

10:10 Insights on sedimentation in lake Turkana from numerical modelling: revealing the trajectory of sediments from deltaic river mouths to the deep basin
Florin Zainescu, Mathieu Schuster, Helena van der Vegt, Joep Storms, Alexis Nutz

10:50-11:15 Coffee Break

11:15 Risk assessment and recovery trajectories of a social-ecological system after a volcanic eruption
Cedric Gaucherel, Olivia Bernardoff, Christelle Hely, Christel Tiberi, Fleurice Parat, Stéphanie Gautier, Anna Treydte, Giorgio Colombo, Sylvia Ceppi, Franck Pommereau

11:40 General discussion about what modelling can bring to multidisciplinary studies in the RIFT

12:30-14:00 Lunch

14:00-16:00 Energy versus Resources

Salle Coligny

14:00 Introduction B. Hazard & Yves Geraud

14:05 Greening the Maasai: The Deterritorialization of Local Pastoral Landscape in the Greater Olkaria Geothermal area, Kenya
Ch. Adongo & B. Hazard (sciencesconf.org:gdrift2022:430363)

14:20 Community Engagement in energy projects in Kenya; The experience of KENGEN OLKARIA geothermal stakeholder coordination committees (SCC)
L. Reson (sciencesconf.org:gdrift2022:427616)

14:35 Renewable Energy Projects and Indigenous Peoples in Rift Valley, Kenya
B. Chaka [et al.] (sciencesconf.org:gdrift2022:426225)

14:50 Insights into household fuel use in Southern Rift Valley, Kenya,
A. Osano [et al.] (sciencesconf.org:gdrift2022:426783)

15:05 Land use and land cover change and its implications on Gully erosion in Suswa catchment, Narok County, Kenya
Ch. Konana, <https://gdrift2022.sciencesconf.org/429055/document>

15:20 Le programme « geothermal village » : un accès à l'énergie en dehors des grands réseaux de distribution, exemples en Afrique de l'Est.
Y. Geraud [et al.] (sciencesconf.org:gdrift2022:429622)

15:35 Design, Study, and Manufacture of a Small-Scale Organic Rankine Cycle-Parabolic trough solar system

15:45 General discussion.

14:00-16:00 Project construction

Salle Les Canuts

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16:00-17:00 Poster – Coffee break

17:00-19:00 Systems dynamics and their hazards

Salle Coligny

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17:00 Impacts of geodynamical processes on the socio-ecosystem of North Tanzania
Christel Tiberi, Stéphanie Gautier-Raux, Fleurice Parat, Julie Albaric, Cédric Gaucherel, Christelle Hély, Rey Tony, Stéphanie DEFOSSEZ, Monique Gherardi, Frédéric Leone, Florence Le Hebel, Michael Msabi, Fredrick Mangasini, Gabriel Mulibo, Ronald Massawe

17:15 Southwestern propagation of the East African Rift System: insight from geomorphology of the Makgadikgadi Basin (Botswana).
Louis Gaudaré, Olivier Dauteuil, Marc Jolivet, Mike Murray-Hudson, Kaelo Makati, Samuel Corgne, Dominique Bavay, Visnney Mayombo-Allogo

17:45 The 2017 Moiyabana, Botswana earthquake suggest the EARS extension in southern Africa
Thifhelimbilu Mulabisana, Mustapha Meghraoui

17:30 Probabilistic Seismic Hazard Analysis for Northern Tanzania Divergence Region and the Surrounding Areas
Michael Msabi

18:00 Fluoride Contamination and Distribution in Cultivated and Uncultivated Soils along the Rift Valley Landscape
Erick Edward, Mwema Felix Mwema, Kelvin Mtei

18:15 Short presentation (~2mn) of the posters and general discussion

Estimation of Soil loss Rate Using RUSLE, Remote Sensing and GIS Technics: A Case Study of the Maasai Land Scape in Arusha, Tanzania
Joseph Kalonga, Kelvin Mteei, Anthony Kimaro, Boniface Massawe, Evance Zephrine

NYKISHU: Interactions between the NYiragongo volcano, lake Kivu, its aquatic ecosystem and the HUman system: an integrated knowledge approach
Virginie Pinel, Catherine Meriaux, Jan Beyne, Marcellin Rutegwa

17:00-19:00 Project construction

Salle Les Canuts

19:00-20:00 *Dinner*

20:00-21:00 Project construction

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Wednesday 23 November 2022

9:00-12:30 **Wet Zones**

Salle Coligny

- 09:00 Introduction
Doris Barboni, Olga Otero, Benoit Hazard
- 09:15 From paleoecology of crocodylians to paleoenvironments in the Shungura Formation (Plio-Pleistocene, Ethiopia), an interdisciplinary ballad using the oxygen stable isotopes.
Axelle Gardin
- 09:40 Effects of tectonic activities on the groundwater quality and distribution within the East African Rift System: a case study of Northern Tanzania
Ronald Massawe
- 10:05 Reconstructing the Changes in Sedimentation and Source Provenance in East African Hydropower Reservoirs: A Case Study of Nyumba ya Mungu in Tanzania
Aloyce Amasi, Maarten Wynants, Remigius A Kawalla, Shovi Sawe, William H. Blake, Kelvin M. Mtei, Linus Munishi
- 10:30 Water places, "Tulla" and "Cinna" of the Chalbi in the understanding of past and present socio-ecological changes.
Benoit Hazard, Emmanuel Ndiema
- 10:45 **Coffee break**
- 11:20 Round-table discussion

9:00-12:30 **What is heritage?**

Salle Les Canuts

Discussion and writing workshop

10:45-11:15 **Coffee Break**

12:30-13:30 **Lunch**

13:30-15:30 **The rift as a factory of diversity**

Salle Coligny

- 13:30 Neotaphonomic study of carnivore behavior at Tarangire National Park and its implications for the interpretation of the early humans at Olduvai Gorge (Tanzania)
Agness Gidna
- 13:50 Distribution géographique et diversification des petits mammifères en Afrique subsaharienne : intégration des données fossiles et modernes
Violaine Nicolas-Colin, Josef Bryja, Emmanuelle Stoetzel, Raphaël Cornette, Christiane Denys, Malahat Dianat, Adam Konecny, Jarmila Krasova, Pierre Linchamps, Ondrej Mikula, Daniela Mizerovska, Getachew Mulualem, Léa Terray, Inessa Voet
- 14:10 Megalithism across regions and religions: From the Central Highlands to the Rift Valley areas of Ethiopia
Alebachew Birru
- 14:30 Technological variation, innovation and change from a design theory and functional analysis perspective.
Jérôme Robitaille

13:30-15:30 Students workshop

Salle Les Canuts

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Round-table discussion

15:30-17:00 Poster – Coffee break

17:00-19:00 Project construction

Salle Les Canuts + Coligny

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19:00-20:00 *Dinner*

20:00-21:00 Project construction

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Thursday 24 November 2022

9:00-12:00 Health-environment relations

Salle Coligny

- 9:00 One Health and the African Great Rift
Patrick Giraudoux, Didier Bompangue
- 9:30 Naturally occurring potentially toxic elements in groundwater from the volcanic landscape around Mount Meru, Arusha, Tanzania and their potential health hazard
Ines Tomasek
- 10:00 Integrated management of cholera problem along the African rift
Didier Bompangue
- 10:30 Environmental variability in Lake Kivu and cholera risk in Bukavu from 2008 to 2012
Clémence Kavira, Catherine Deniel, Patrick Giraudoux, Didier Bompangue, Gudrun Bornette
- 11:00 Geological determinants of cholera outbreaks along the African Rift
Doudou Batumbo, Didier Bompangue, Catherine Deniel, Patrick Giraudoux, Frederic Mauny, Gudrun Bornette

9:30-10:30 InterTEK Project workshop

Salle Les Canuts

Round-table session

10:30-11:00 *Coffee Break*

11:00-12:00 Turkana Workshop

Salle Les Canuts

Round-table discussion

12:00-13:30 *Lunch*

13:30-15:30 Conclusive session

Salle Coligny

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