

## 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*

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*

**16:00-17:00 Poster – *Coffee break***

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

*Salle Coligny*

- 17:00      Impacts of geodynamical processes on the socio-ecosystem of North Tanzania  
*Christel Tiberi, Stéphanie Gautier-Raux, Fleurice Parat, Julie Albaric, Cédric Gauchere, 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, Visney 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**

## 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*

Round-table discussion

**15:30-17:00 Poster – Coffee break**

**17:00-19:00 Project construction**

*Salle Les Canuts + Coligny*

19:00-20:00 *Dinner*

**20:00-21:00 Project construction**

## 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*