

PROGRAM:

DAY 1	Time (CAT)		Abstract
September 2025			
	8:30-900	Badge Collection	
	9:00-9:30	Opening Ceremony	-M. Stéphane Le Brech, 1er Conseiller, French Embassy in Rwanda - Mrs Juliet Kabera, Director general, REMA - Mrs H. Christine Niyotwambaza, Director General, MINEMA -Dr. Ozlem Adiyaman, IGCP head of programme, UNESCO- on-line
Session 1: Multi-phase volcanic flows (V. Pinel & S. Massaro)	MORNING		
	9:30-10:30	Keynote Speaker: Andrew Woods	Multiphase volcanic flows
Coffee Break			
	11:00-11:45	Alison Rust	The origins of magma bubble and crystal textures and applications to correlating deposits and inferring past eruption conditions
	11:45-12:30	Antonio Costa	Rheology of Crystal-Rich Magmas
Lunch			
Session 1: Multi-phase volcanic flows (V. Pinel & S. Massaro)	AFTERNOON		
	14:00–14:45	Andrew Hoggs	Modelling the interaction of lava flows with topography and barriers
	14:45-15:30	Catherine Meriaux	Numerical modelling of lava domes

Coffee Break			
	16:00-16:15	Group Photo	
	16:15-18:00	Poster Session	

DAY 2 September 2025	Time (CAT)		Abstract
Session 2: Magma Subsurface propagation (C. Mériaux & A. Costa)	MORNING		
	9:30-10:30	Keynote Speaker: Eleonora Rivalta	Magma pathways below volcanic arcs and continental rifts
Coffee Break			
	11:00-11:45	Virginie Pinel	Towards a better understanding of subsurface magma propagation using numerical and analogue models, application to recent eruptions of Nyiragongo volcano.
	11:45-12:30	Timothy Davis	Decoding lateral dyke dynamics: how earthquake patterns and graben development reveal magma movement
Lunch			
Session 3: Seismic and Deformation signals from a volcano (V. Pinel & A. Costa)	AFTERNOON		
	13:45–15:45	Keynote Speaker: Carolina Pagli	Tracking Magma in a Rift: InSAR and Seismicity of the 2024–2025 Fentale Diking Episode
	14:45-15:30	Atalay Ayele	Challenges of Disaster Risk Management (DRM) in the East African Rift

			System: lessons learnt from the recent Fentale-Dofen volcano seismic crisis
Coffee Break			
	16:00-16:45	Valerie Cayol	Resolving traction
			changes on fractures
	16:45-17:30	Keir Derek	Seismicity and ground motion at volcanic systems of geothermal interest: examples from Tulu Moye and Dallol in Ethiopia
	17:30-19:10	MOVIE: FIREBALL	
	19:10	SOCIAL DINNER	

DAY 3 September 2025	Time (CAT)		Abstract
Session 4: Volcanic emissions dispersion (A. Costa & C. Mériaux)	MORNING		
	8:30-9:30	Keynote Speaker: Arnau Folch	Modelling of volcanic gas and ash emissions for eruption forecasting and probabilistic hazard assessment
	9:30-10:15	Andrew Woods	Dynamics of wind-blown volcanic ash and gas plumes
Coffee Break			
	10:45-11:30	Claudia Corradino	Volcanic Gas and Ash Dispersion Modeling from Geostationary Satellite Image Sequences: A Deep Learning Model for Near Real-Time Nowcasting
	11:30-12:15	Roberto Sulpizio	Assessing tephra fallout hazard integrating field data and numerical modelling through probabilistic workflows

	12:15-13:00	Silvia Massaro		Local-scale volcanic gas dispersion modelling: examples of passive and density-driven regimes
Lunch				
Session 5:	AFTERNOON			
Volcanic lakes				
(L. Charlet &				
C. Mériaux)				
	14:30–15:30	Keynote Sp		Volcanic Risk and
		Francois Da	rchambeau	Methane Extraction in
				Lake Kivu: A Delicate
				Trade-Off
	15:30-16:15	Julyan Cartwright		Bubble Plumes in Nature
	16:15-16:45	Open discussion		
Coffee Break				
	17:15-18:00	Discussion	Discussion	
		on EAIFR	how to	
		Capacity	make your	
		Building	PhD	
		(Speakers)	successful	
		Chairs:	(Participant	
		Edward	s)	
		Ntim Gasu	Chairs:	
		&	EAIFR PhD	
		Catherine	Students	
		Meriaux		

DAY 4	Time (CAT)		Abstract
September			
2025			
Session 6:	MORNING		
Volcanic			
particle & soils			
(A. Costa & C.			
Meriaux)			
	9:00-10:00	Keynote Speaker:	Formation and
		Benjamin Gilbert	Properties of
			Nanoparticles in Earth
			Systems
Coffee Break			
	10:30-11:15	Guillaume Nyagatare	Balancing Productivity
			and Plant Health: A Field
			Evaluation of Tillage and
			Mulching Practices in
			Rwandan Andosols

	11:15-12:00	Vicky Ryganzu	Spatial variability and function of soil properties in the pedogeomorphological processes of western and Northern Rwanda
	12:00-12:45	Laurent Charlet	The physics of nanoparticles present in volcanic soils: impact on fertility and erosion susceptibility
Lunch			
Session 7: Volcanoes and Climate Change (V. Pinel & C. Mériaux)	AFTERNOON 14:15–15:15	Keynote Speaker: Clive Oppenheimer	Large volcanic eruptions, climate change and world history
	15:15-15:30	Davide ZanchettIn	Volcanoes and climate: piecing together the puzzle
Coffee Break			
	16:00-16:45	Tamsin Mather	Why it is important to understand volcanic degassing to understand past, present and future climate and environment
	16:45: 18:30	MOVIE Into the Inferno	

DAY 5 September 2025	Time (CAT)		Abstract
Session 8: Health and Volcanoes (L. Charlet & S. Massaro)	MORNING		
	8:30-9:30	Keynote Speaker: Sarra Latifa Kazi	Lysosomal membrane permeabilization by volcanic nanotubes and other (alumino) silica particles: key physical and/or chemical

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			common inflammation
			mechanism to
			podoconiosis, silicosis
			and asbestosis
Coffee Break			
	10:00: 10:45	Mwumvaneza	Climate change related
		Mutagoma	diseases in Western
			Rwanda: the Mugonero
			Hospital case
	10:45-11:30	Alexandra Gourlan	Stable Metal Isotopes in
			Medical Innovation:
			State of the Art and a
			Future Application to
			Podoconiosis
	11:30-12:00	Poster Prize	
	12:00: 13:00	Closing Ceremony	-Dr Calatayud Paul-
			André, IRD
			Representative in East
			Africa (Nairobi), IRD
			Dr Barbara Akaliza, Chief
			Geohazards Officer,
			RMB
Lunch			
	AFTERNOON		
	14:30–17:30	Genocide Memorial	