



THE 1ST HEARTS4CLIMATE INTERNATIONAL CONFERENCE, 2025

Conference Programme

3rd – 9th August, 2025; Maasai Mara University, Narok, Kenya

Sunday, 3rd August, 2025

Time	Activity	Venue	Facilitator
9.00 am -	Participants Arrival to Hotel venues	Booked Hotels	MMaraU
11.00 am – 2.00 pm	Bike Ride to Advocate for Climate Action & Community One Health	Motonyi to Narok	ACOPPHE/ENAI-Africa/Narok County Govt
11.00 am – 2.00 pm	Narok Town Cleanup	Motonyi to Narok	ACOPPHE/ENAI-Africa/Narok County/Red Cross Society, Narok
10.00 am – 4.00 pm	Health Camps	MMarau Field	ENAI-Africa/Narok County Govt Dept. of Health and Public Services /Lions Hosp/KEMRI

RESEARCH, TRANSLATIONS AND SOLUTIONS
FOR CLIMATE



Monday, 4th August, 2025

Time	Activity	Venue	Facilitator
9.00 am – 4.00 pm	Health Camp	MMaraU Field	ENAI-Africa/Narok County Govt Dept. of Health and Public Services/KEMRI
9.00 am – 4.00 pm	Innovations Exhibitions	MMaraU	MMaraU
Time	Activity	Venue - MMaraU Conference Hall	Facilitator
8.00 – 9.00 am	Registration		Secretariat
9.00 – 9.30 am	Introductions, Prayers		Dr Ing Jared Ombiro (Conf Secretary)
9.30 – 9.50 am	Courtesy Calls, Tree planting		Prof Francis Mburu – Ag DVC -RIO
9.50 – 10.20 am	Tea break & Assembling in the Conference Hall	Senate Boardroom	Dr Bakari Chaka (Conf Secretariat)
10.20 am – 12.10 pm	Delegates speeches	Conference Hall	Dr. Aloys Osano (Conference Chair)
10.20 – 10.30 am	<ul style="list-style-type: none"> Dr. Aloys Osano (Conference Chair) 		
10.30 – 10.40 am	<ul style="list-style-type: none"> Ms. Nightingale Wakigera (Conference Secretary) 		



10.40 – 10.50 am	<ul style="list-style-type: none">• Dr. Nathan Uchtmann (Conference Co-Chair)		
10.50 – 11.00 am	<ul style="list-style-type: none">• Dr. Lanoi J. Parmuat – Executive Director, ENAI-Africa		
11.00 – 11.10 am	<ul style="list-style-type: none">• Prof Godrick Bulitia – DVC – A&SA		
11.10 – 11.20 am	<ul style="list-style-type: none">• Prof Francis Mburu – Ag DVC -RIO		
11.20 – 11.35 am	<ul style="list-style-type: none">• Prof P. Aloo-Obudho – Vice Chancellor		
11.35 – 11.50 am	<ul style="list-style-type: none">• Dr. Kennedy Ole Kerei - Council Chair		
11.50 – 12.10 pm	<ul style="list-style-type: none">• Guest Speaker – To be Confirmed		
12.10 – 12.50 pm (Keynote Address 1 40 minutes)	Threatened Plant Diversity of the Western Ghats, India: The Critical Role of Botanists in Its Conservation		Prof Chandrakhandt Salunkhe, Principal, Krishna Mahavidyalaya, Rethare Bk, India
12.50 – 1.00 pm	Group photos		Marketing Dept
1.00 – 2.00 pm	Lunch break		Senate Boardroom Secretariat
2.00 – 4.00 pm	Workshop Session 1 – Grass Taxonomy		Conference Hall & Biology Lab Prof Salunkhe Chandrakhandt & Dr. Dominic Menge
2.00 – 4.50 pm (170 minutes)	Session 1 Presentations		Session Chair: Dr. Ing Jared Ombiro
	Venue 1: Sch. Arts PGR-1 SB1-Conservation & Biodiversity	Venue 2: Sch. Bus & Econ PGR-1 SB-1Conservation & Biodiversity Moderator: Dr. Beatrice	Venue 3: Sch. Bus & Econ PGR-2 SB-5Children & Youth in the Triple Planetary Crisis



	Moderator: Dr. Patrick Kamundia		Moderator: Naomi Gitau
	Titles of presentation (Presenters names & affiliation)	Titles of presentation (Presenters names & affiliation)	Titles of presentation (Presenters names & affiliation)
2.00 – 2.20 pm	<p>Evaluation of the effectiveness of Bromecure® in controlling helminthiosis and coccidiosis, and its impact on gut health in SEA goats under intensive production systems</p> <p>Christopher Koyan Odinga¹, Kamundia Waweru¹, John Kagira², Isaac Osuga², Naomi Maina² MMaraU¹ & JKUAT², Kenya</p>	<p>Biodiversity and Animals: Opportunities and Innovations in the nexus between ecosystem protection, plants and animals</p> <p>Ikalangure Anjela Kenya Institute of Primate Research, Kenya</p>	<p>Reviving Indigenous Conservation Ethics through Social Work Practice in Environmental Restoration of South Mugirango's Soapstone Quarrying Sites</p> <p>Orucho Justine Amadi, Zeddy Lemein, Ann Silon, Jane Nampaso MMaraU, Kenya</p>
2.20 – 2.40 pm	<p>Seasonal Variation in Transpiration and Stomatal Conductance of Three Savanna Tree Species in Ruma National Park, Kenya</p> <p>Wycliff Oronyi Jaramogi Oginga Odinga University of Science & Technology, JOUST, Kenya</p>	<p>Sustainable Animal Health and Livestock Management as Tools for Biodiversity Conservation and Ecosystem Protection in Kenya's Wildlife-Livestock Interface</p> <p>Dorine Gekondo Nyakundi University of Eldoret, Kenya</p>	<p>'Policies of Government for Achieving DSGS2 (Zero Hunger) in Sokoto State: A Study of Gidan Madi Local Government Area'</p> <p>Salim Abubakar Federal College of Education Gidan Madi Sokoto State, Nigeria</p>
2.40 – 3.00 pm	<p>Termite Diversity and Decomposition Role in Gazi Bay Mangrove Forest, Kenya: A Comparative Study between Natural and Managed Sites</p> <p>Kevogo Milton</p>	<p>AI-Optimized Resource Management for Sustainable Wildlife Ecosystems: A Case Study of Kenya Wildlife Service in Nairobi</p> <p>Rogers Matikho & Priscah Kirwa</p>	<p>Empowering The Future: Integrating Children into Climate Action and Policy Through Education and Participation</p> <p>Purity Kurraru</p>



	MMaraU, Kenya	Kenya Broadcasting Company & MMaraU, Kenya	MMaraU, Kenya
3.00 – 3.20 pm	<p>Leveraging IoT for Real-Time Monitoring and Conservation of Lake Turkana's Aquatic Biodiversity and Ecosystem Services</p> <p>Jeremiah Onunga Turkana University College, Kenya</p>	<p>Safe Coexistence: Bridging public Health and snake Conservation through Education of Community Health Promoters</p> <p>Jamlick Lepaa MMaraU, Kenya</p>	<p>Inclusion of the visually impaired learners in environmental conservation as a solution to the triple planetary crisis</p> <p>Sr. Jackline Akinyi Otieno Catholic University of Eastern Africa, Kenya</p>
3.20 – 3.30 pm	Short Break		
3.30 – 3.50 pm	<p>Birds and Climate Change</p> <p>Peter Kinyanjui Karatina University, Kenya</p>	<p>Microbial Composition and Socioeconomic Constraints in Apiculture in Embu County, Kenya</p> <p>Julius Mugweru University of Embu, Kenya</p>	<p>Youth Demonstrations and Climate Insecurity in Kenya: A Case of 'Gen Zs' Protest at Finance Bill 2024 in Nairobi</p> <p>Nicholas Anyuor & Edna Ogeto Rongo University, Kenya</p>
3.50 – 4.10 pm	<p>Rabies Risk Communication and Community Engagement in Kambirwa Village, Kiharu Sub-county, Muranga County, Kenya</p> <p>Sarah Wanjiku Kirigwi MMaraU, Kenya</p>	<p>Evaluation of black soldier fly larvae (<i>Hermetia illucens</i>) frass as biopesticide and biofertilizer on kales (<i>Brassica oleracea</i>)</p> <p>Clinton Ochieng Otieno JOUST, Kenya</p>	<p>How Malnutrition in Children Below the Age of Five Years Was Eradicated in Musanda, Mumias West Subcounty, Kakamega County</p> <p>Susan Karusa Kisanya Masinde Muliro University Science and Technology, Kenya</p>
4.10 – 4.30 pm	<p>Environmental Factors, Spatio-temporal Distribution, Habitat Suitability and Migratory Patterns:</p>	<p>Bridging the Divide: Exploring Human–Wildlife Conflict Around Protected Areas</p>	<p>Antimicrobial Susceptibility Pattern of <i>E. coli</i> Among Patients Visiting Narok County Referral Hospital</p>



	<p>An Emerical Analysis of The North Atlantic Right Whale (<i>Eubalaena Glacialis</i>) and Their Conservation in The Western North Atlantic Ocean</p> <p>Brian Ambale University of Eldoret, Kenya</p>	<p>Through Community Engagement in Kenya</p> <p>Allan Rayian Technical University of Kenya, Kenya</p>	<p>Onesmus Balliach MMaraU, Kenya</p>
4.30 – 4.50 pm	<p>Ontology in ecological balance</p> <p>Francis Keli Munyao CYMG, Kenya</p>	<p>A call to adopt a safer alternative method of preserving specimens used in biomedical science training</p> <p>Prof Mosiany Kisipan & Dennis O. Bitange, MMaraU</p>	<p>The Role of Sule Lamido University in Curving the Effect of COVID 19 Pandemic</p> <p>Abdullahi Shatima Sule Lamido University Kafin Hausa, Jigawa State, Nigeria</p>
4.50 – 5.10 pm	Tea Break / Poster Session		Senate Boardroom
5.10 – 5.50 pm (Keynote Address 2 40 minutes)	Community Health Units & Universal Health Coverage in Kenya		Dr. Parmuat Lanoi Executive Director, ENAI-Africa
5.50 – 6.00 pm	Day 1 Recap & Closing		Dr. Nathan Uchtmann (Conference Co-Chair)
6.00 pm -	Departure		Secretariat / Transport Dept



Tuesday, 5th August, 2025

Time	Activity	Venue	Facilitator
9.00 am – 4.00 pm	Health Camp	MMaraU Field	ENAI-Africa/Narok County Govt Dept. of Health and Public Services/KEMRI
9.00 am – 4.00 pm	Innovations Exhibitions	MMaraU	MMaraU
Time	Activity (Venue)	Presentation Title (Venue – 1; Conference Hall)	Facilitator
8.00 – 8.30 am	Registration		Secretariat
8.30 – 9.10 am (Keynote Address 3 40 minutes)	Indigenous People and their Livelihoods		Dr. Kimaren Ole Riamit Executive Director, Indigenous Livelihoods Enhancement Partners (ILEPA)
9.10 – 9.40 am	Technological Development in Monitoring Forest Ecosystems in Kenya		Dr. Benjamin Kinyili Kenya Forest Service, Kenya
9.40 – 9.50 pm	Health Break		Secretariat
9.50 – 1.00 pm	Workshop Session 1: Grass Taxonomy	Conference Hall & Biology Lab	Prof Salunkhe Chandrakant & Dr. Dominic Menge
9.50 – 11.10 am (80 minutes)	Session 2 Presentations		Session Chair: Dr. Samson Mabwoga
	Venue 1: Sch. Arts PGR-1 <i>SB2- Conservation & Pollution</i> Moderator: Carol Kawira	Venue 2: Sch. Bus & Econ PGR-1 <i>SB2- Conservation & Pollution</i> Moderator: Dr. Charity Konana	Venue 3: Sch. Bus & Econ PGR-2 <i>SB2- Conservation & Pollution</i> Moderator: Dr. Philip Chemelil
	Titles of presentation (Presenters names & affiliation)	Titles of presentation (Presenters names & affiliation)	Titles of presentation (Presenters names & affiliation)



9.00 – 9.20 am	<p>Enhancing energy and environmental conservation for sustainable use and management of natural resources</p> <p>Laban Kipkemoi Rotich Murang'a University of Technology, Kenya</p>	<p>Nature based solutions for sustainable agriculture: integrating indigenous knowledge to combat pollution and enhance conservation</p> <p>Nephiny Nyagaka Meru University of Science and Technology, Kenya</p>	<p>Adaptation Strategies to climate variability by smallholder crop farmers in Kenya</p> <p>Mwita Paul Chacha Kenyatta University, Kenya</p>
9.20 – 9.40 am	<p>Conservation and Pollution: Achieving a Comprehensive Transformation through Conservation: Using Nature-Based Solutions to Revive Ancient Wisdom and Reverse the Pollution Crisis</p> <p>Elias Elvis Amoni Sigalagala National Polytechnic, Kenya</p>	<p>Influence of Gibberellin Hormone on Viability of Cleome gynandra L. Seed Germination</p> <p>Muga Moses University of Eldoret, Kenya</p>	<p>Climate Resilience in Practice: Advancing Climate Action Education and Financing in Narok County</p> <p>Machira Gwendolyn Wanjiku Bomet University College, Kenya</p>
9.40 – 10.00 am	<p>Assessment of the challenges faced in the management of Mau Forest Ecosystem in Kenya</p> <p>Melly Kipketer Kelvin Bomet University College, Kenya</p>	<p>Extraction, characterization, and optimization of protein from food waste and waste-activated sludge</p> <p>Cheruiyot Dennis & George S. Nyamato University of Embu, Kenya</p>	<p>Analysis of different methods for reclamation of Nitrogen and Phosphorus from Sewage lagoons</p> <p>Edwin Morara MMaraU, Kenya</p>
10.00 – 10.20 am	<p>Ecosystem services, land use change and greenhouse gas emissions from a rift valley wetland.</p> <p>Simo Raphael Baba MMaraU, Kenya</p>	<p>From Trauma to Action Reframing Youth Climate Involvement in ASAL Regions</p> <p>Theshaya Naidoo University of Kwazulu Natal, S. Africa</p>	<p>Effectiveness of Air Pollution Control Systems in Steel Industries in the North Rift Region, Kenya</p> <p>Kipchirchir Vincent MMaraU, Kenya</p>



10.20 – 10.40 am	<p>Strengthening Climate Resilience in Narok County: The role of Climate Action Education and localized financing solutions</p> <p>Lillian Kagendo Bomet University College, Kenya</p>	<p>Climate-smart agriculture and sustainable livelihoods</p> <p>Wilfred Letuya Koros Kupanda2Grow foundation, Kenya</p>	<p>Public Awareness, Climate Action, and Support for Climate Financing in Sub-Saharan Africa: An Analysis of Afrobarometer Data</p> <p>Chepngeno E. Maina Kisii University, Kenya</p>
10.40 am – 11.10 pm	Tea break (Senate Boardroom)		Secretariat
11.10 am – 1.10 pm (120 minutes)	Session 3 Presentations		Session Chair: Dr Simon Macharia
	<p>Venue 1: Sch. Arts PGR-1 <i>SB3-Governance, Advocacy and Policy</i> Moderator: Dr Charity Konana</p>	<p>Venue 2: Sch. Bus & Econ PGR-1 <i>SB3-Governance, Advocacy and Policy</i> Moderator: Dr. Philip Chemelil</p>	<p>Venue 3: Sch. Bus & Econ PGR-2 <i>SB3-Governance, Advocacy and Policy</i> Moderator: Nightingale Wakigera</p>
	Titles of presentation (Presenters names & affiliation)	Titles of presentation (Presenters names & affiliation)	Titles of presentation (Presenters names & affiliation)
11.10 – 11.30 am	<p>Assessing the Challenges and Opportunities in the Implementation of the East African Community Climate Change Master Plan (2011–2031) in Kenya</p> <p>Alfred Makotsi & Graham Oluteyo Amakanji Masinde Muliro University of Science and Technology, Kenya</p>	<p>Poverty Amidst Plenty Paradox: An Investigation of How Cultural Values and Practices Contribute to Poverty Among The Small-Scale Artisanal Fisherfolk in Kendu Bay and Achuodho Landing Sites, Rachuonyo North Sub-County, Kenya</p> <p>Magak Nickson Odongo, Ssendawula Noah & Ang'aba Aden Esokomi MMaraU, Kenya</p>	<p>Realities of Emerging Challenges and Opportunities of Climate Change-Induced Events Among the Communities of Arid and Semi-Arid Lands in Kenya</p> <p>Wickliffe Ojallah Moi University, Kenya</p>
11.30 – 11.50 am	Collaborative Governance and Safety for Sustainable Development Goals for All	Global Climate Adaptation Case Studies: Lessons for Kenya and Africa	Eco – scenic design: Innovations in Kenyan Theatre Industry



	Regina Kamande ¹ & Patrick Nyaanga ² MMaraU & Jomo Kenyatta University of Agriculture & Technology ² , Kenya	Emmanuel Githinji Technical University of Kenya, Kenya	Juma Brenda Kenyatta University, Kenya
11.50 – 12.10 pm	Impact of Food Systems on Environmental Degradation in Kajiado and Narok Counties Ogalo Baka & Wesley Langat WWF & BBC, Kenya	The Impact of the Enactment of the Forest Act 2005 and Forest Conservation and Management Act 2016 in Conservation and Restoration of the Maasai Mau Forest, Kenya Philip Kipkemboi Chemelil MMaraU, Kenya	Community Radio in Communicating Climate Change Related Conflicts in Siaya County, Kenya Kashara Juma Erick Rongo University, Kenya
12.10 – 12.30 pm	Adoption and Impacts of Applying Forage-Based Technologies on Milk Production and Income Rates Amongst Smallholder Dairy Farmers in Nakuru & Nyandarua Counties, Kenya Muga Moses University of Eldoret, Kenya	The Role of the Government and TVET's in Enhancing Blue Economy, and Kenya's Economic Growth through Fostered Research and Sustainable Agricultural Development: A Case of the Sigalagala National Polytechnic, and Kenya Marine and Fisheries Research Institute, Kenya Argwings Owino Omondi Sigalagala National Polytechnic, Kenya	Climate education and financing Peris Cherotich Kerich Bomet University College, Kenya
12.30 – 12.50 pm	Effects of Policy and Governance frameworks to accelerate community- centred sustainable development and to achieve sustainable development goals Chebet Winny Bomet University College, Kenya	Educational environment in relation to academic performance of hearing impaired learners in selected special secondary schools in Nyanza region, Kenya Okeyo Siprose Adhiambo MMaraU, Kenya	Active or Inactive Stakeholders? Assessing the Contribution of Non-Institutional Actor Networks in the Implementation of County Roads Policy in Narok County, Kenya Aden Esokomi, Dr. Onyiko Kennedy Karani & Odongo Nickson Magak MMaraU, Kenya



12.50 – 2.00 pm	Lunch break	Senate Boardroom	Secretariat
2.00 – 4.00 pm	Workshop Session 1 – Grass Taxonomy	Biology Lab	Prof Salunkhe Chandrakhandt & Dr. Dominic Menge
2.00 – 3.00 pm	Workshop Session 2 – Snakes Management	Sch. Arts Postgraduate Room 2	Jamlick Lepaa, MMaraU
3.00 – 4.30 pm	Workshop Session 3 – Land Tenure Systems in Kenya	Sch. Arts Postgraduate Room 2	Dr. Johnson Osoi, Johnson & Partners LLP
2.00 – 4.30 pm	Workshop Session 4 – Public Policy and Communicating evidence-based Research	Conference Hall	KIPRA
2.00 – 4.30 pm (170 minutes)	Session 1 Presentations		Session Chair: Dr Samson Mabwoga
	Venue 1: Sch. Arts PGR-1 <i>SB4-Climate Change & Advocacy</i> Moderator: Dr Kuria	Venue 2: Sch. Business & Econ PGR-1 <i>SB4-Climate Change & Advocacy</i> Moderator: Dr Charity Konana	Venue 3: Sch. Business & Econ PGR-2 <i>SB4-Climate Change & Advocacy</i> (Virtual Session) Moderator: Naomi Gitau
	Titles of presentation (Presenters names & affiliation)	Titles of presentation (Presenters names & affiliation)	Titles of presentation (Presenters names & affiliation)
2.00 – 2.20 pm	Effect of Partial Paperless Training to Protect the Environment amongst Community Health Promoters Rev. Harun Njoroge Kenyatta University, Kenya	Sympatric Human-Animal Antimicrobial Resistance Profiles in Surface Waterpoints in the Maasai Mara Ecosystem, Narok, Kenya Brian Waswala Kenya National Commission for UNESCO, KNATCOM, Kenya	The Impact of Extreme Heat Events on Occupational Heat-Related Illnesses, Florida and New York, U.S.A. 2000-2019 Prof. Jeffrey Joseph Dalhoff University of Maryland, USA
2.20 – 2.40 pm	Blockchain Model to Improve Transparency and Ethics in Kenya's	Resilient Roots: A Study on Climate-Resilient Urban Planning in Informal Settlements	Impacts of Climate Change on Food Security in Lesotho and Implications for Sustainable Development



	Northern Kenya Rangelands Carbon Scheme Jacob Orage Rongo University, Kenya	Joel Ontari Okwogo MMaraU, Kenya	George Maeti The National University of Lesotho, Lesotho
2.40 – 3.00 pm	Utilization of Sodom Apple (<i>Solanum incanum</i>) as a Pesticide and Insecticide in Agriculture Eric Idamboh Sigalagala National Polytechnic, Kenya	Greening the Mind: Integrating Climate Education, Community Action, and Inclusive Financing for Sustainable Futures Gedion Kiprotich Bomet University College, Kenya	Community-based counseling programs for promoting environmental awareness and health Adaobi Jennifer Iloakasia Nwafor Orizu College of Education, Nsugbe Anambra State, Nigeria
3.00 – 3.20 pm	Wildlife Tourism and Climate Change: Perspectives on Maasai Mara National Reserve Dr. Catherine Kifworo ¹ & Kaitano Dube ² ¹ MmaraU, Kenya & ² Vaal University of Technology, S. Africa	Optimizing the adoption of Sugarcane Baggase Briquettes as fuel in Kenya Secondary Schools James Owek Ochieng JOUST, Kenya	Evaluation of Socio-Economic and Health Outcomes resulting from Environmental Pollution in Lesotho George Maeti The National University of Lesotho, Lesotho
3.20 – 3.30 pm	Short Break		
3.30 – 3.50 pm	Assessing the Farmers Perceptions towards the use of Humanure in Tharaka Nithi and Kajiado Counties for Agricultural and agro- forest Sustainability Eng Murathi Erastus Maitai Kenya Water Institute -KEWI, Kenya	AI-Driven Climate Modeling and Simulation for Educational Platforms Zakariyya Hassan Abdullahi Federal Polytechnic Kazaure Jigawa State, Nigeria	Agricultural Adaptation Pressures from Climate and Environmental Impacts and Implications for Climate Finance and Fiscal Policy: A Review of the Situation in Sub-Saharan Africa Obi, Joy Nneamaka University of the Witwatersrand Johannesburg, S. Africa



3.50 – 4.10 pm	Feeling the Heat: understanding climate change through local lived experiences Brenda Juma Kenyatta University, Kenya	Solvent Extraction of Heavy Metal Cations from Aqueous Solution: Experimental and Theoretical Studies George Simba Nyamato and Isaac Thairu Ndung’u University of Embu, Kenya	Synthesis of 1-methoxy-2-propanol from propylene oxide and methanol in the presence of imidazolium salts of heteropoly acid Mwangi John Wamumwe ¹ , Sergey Alexandrovich Prikhodko ² , Panchenko Valentina Nikolaevna ^{1,2} , Timofeeva Maria Nikolaevna ^{1,2} ¹ Novosibirsk State University, Russia ² Boleskov institute of Catalysis SB RAS, Russia	
4.10 – 4.30 pm	Injustices to Mau Forest Evictions; Women and Children Steven Tikani MmaraU, Kenya	Climate Change Public Awareness, Climate Action, and Support for Climate Financing in Kenya: An Analysis of Afrobarometer Data Chepngeno E. Maina Kisii Univeristy, Kenya	Climate challenges and Geospatial Technology Gelito Inácio Franco Sululu Commonwealth Youth Climate Change Network, Mozambique	
4.30 – 4.50 pm	Empowering The Next Generation in Climate Change Purity Akinyi Osore Karatina University, Kenya	Strengthening Climate Change Education through Community-Based Learning in Kenyan Secondary Schools Dancun Ochieng Otieno Moi University, Kenya	Integrated Solutions for Achieving Community and Planetary Health: Leveraging Health, Food, Water, Clean Energy, and Universal Health Coverage Malon Muronzi Climate Migration Advocate, Zimbabwe	
4.50 – 5.10 pm	Tea Break / Poster Session		Senate Boardroom	Secretariat
5.10 – 5.50 pm (Keynote Address 40 minutes)	Climate, Policy, Agroforestry and Soil Health			Prof Patrick Worms CIFOR-ICRAF Belgium



5.50 – 6.00 pm	Day 2 Recap & Closing	Dr. Kuria, KEMRI
6.00 pm -	Departure	Secretariat / Transport Dept

Wednesday, 6th August, 2025

Time	Activity	Venue	Facilitator
9.00 am – 4.00 pm	Health Camp	MMaraU Field	ENAI-Africa/Narok County Govt Dept. of Health and Public Services/KEMRI
9.00 am – 4.00 pm	Innovations Exhibitions	MMaraU	MMaraU
Time	Activity (Venue)	Presentation Title (Venue – 1; Conference Hall)	Facilitator
8.00 – 8.30 am	Registration		Secretariat
8.30 – 9.10 am (Keynote Address 5 40 minutes)	Exploring the agri-food, energy and water sector nexus: SNV Experience		Dr. David Ojwang Sector Leader – Agri-food Systems SNV Kenya and Burundi
9.10 – 9.40 am	Integrating grain amaranth into the interactions between People, Plants, Livestock and Environment (PeoPLE) to move healthcare systems for chronic non-communicable diseases-NCDs from management to curative therapies to unlock community and planetary health in changing climate		Prof Linus Ndonga Strategic Poverty Alleviation Systems-SPAS, Kenya
9.40 – 9.50 pm	Health Break		Secretariat
9.50 – 1.00 pm	Workshop Session 1: Grass Taxonomy	Conference Hall & Biology Lab	Prof Salunkhe Chandrakhandt & Dr. Dominic Menge



9.50 – 11.10 am (80 minutes)	Session 2 Presentations		Session Chair: Dr Charity Konana
	Venue 1: Sch. Arts PGR-1 SB6- Health, Food & Energy Moderator: Lydia Nashipae	Venue 2: Sch. Bus & Econ PGR-1 SB6- Health, Food & Energy Moderator: Dr. Beatrice Munuhe	Venue 3: Sch. Bus & Econ PGR-2 SB6- Health, Food & Energy Moderator: Carol Kawira
	Titles of presentation (Presenters names & affiliation)	Titles of presentation (Presenters names & affiliation)	Titles of presentation (Presenters names & affiliation)
9.00 – 9.20 am	Donkey welfare in Kenya now and in the future Dr. Emmanuel Cheruiyot & Dr Samuel Chege Farming Systems Kenya, Kenya	Computational Optimization of Benzimidazole Derivatives for Antileishmanial Activity Ibrahim Gidado Federal College of Education, Yola, Nigeria	Environmental Factors Influencing Sustainability of Open Defecation-Free (ODF) Status in Mwingi West Sub-County, Kitui County, Kenya Daniel Munyongi K Mount Kenya University, Kenya
9.20 – 9.40 am	Antidiabetic Properties of Compounds Isolated from <i>Vepris glandulosa</i> : An In Vitro and in Silico Analysis Prince Ojuka University of Embu, Kenya	One Health approaches to climate-resilient febrile seizure management: addressing caregiver knowledge gaps and healthcare barriers in rural Kenya Mulwa Kavata & Winfridah Wangui Njung'e MMaraU, Kenya	Insides into molecular structural elucidation on the pesticidal and herbicidal potency of AD biogas slurry Maxwell Gitonga & Dr Aloys Osano MMaraU, Kenya
9.40 – 10.00 am	Inventory Optimization and Management of Health Products and Technologies in Kenya: A Multi County Comparative Study on access to Quality affordable Health Products and Technologies Shadrack Meme	In-Silico Pharmacophore Screening of Natural Product-Derived Inhibitors Targeting AMPK, GSK-3 β , and PPAR γ for Type 2 Diabetes Therapy Dr. John Kiratu University of Embu, Kenya	Bridging Data and Decisions: Strengthening Health Information Systems for Climate-Responsive Health Service Delivery in Rural Burundi Elysee Nibitanga Mount Kenya University, Burundi



	Kenya Methodist University, Kenya		
10.00 – 10.20 am	<p>An Advocacy Approach to Scaling up Involvement of Men in Maternal and Neonatal Child Health: A Model of Meteitei Sub-County of Kenya</p> <p>Dr. Simon Macharia Kamau¹, Dr Lily C. Ng'eno² & Leah C. Ng'eno³ MMaraU¹, Meteitei S.C. Hospital Nandi² & Univ of Kabianga³, Kenya</p>	<p>Exploring Gendered Health Impacts of Water Scarcity in Narok County, Kenya: A Qualitative Case Study on Universal Health Coverage</p> <p>Caleb Ratemo Moi University, Kenya</p>	<p>Utilization of Electronic Community Health Information System (eCHIS) to Enhance Uptake of Maternal Health Services in Muhoroni Sub-County, Kisumu County, Kenya</p> <p>Kennedy Akani Alukwe, Mount Kenya University, Kenya</p>
10.20 – 10.40 am	<p>Participatory on-farm assessment of regenerative agriculture technologies in Bungoma, Kakamega, Uasin Gishu and Kericho counties of Kenya – Research undertaken through the Regenerative Agricultural Practices for Livelihoods and Markets Project (REALMS) in Western Kenya</p> <p>Dr. David Ojwang SNV Kenya and Burundi</p>	<p>Bridging the Gap- Leveraging One Health for Universal Health Coverage in the Maasai Community through Integrated Health, Food, Water, and Clean Energy Initiatives</p> <p>Isaac Kilesi Koroi Twincare Pharmacy Limited, Kenya</p>	<p>Practices, Attitudes, Behaviors, Barriers, and Constraints of Data Request and Information Utilization (DRIU) in Public Healthcare Facilities: A Case Study of Kiganda Health District, Muramvya Province, Burundi</p> <p>Elysee Nibitanga Mount Kenya University, Kenya</p>
10.40 am – 11.10 pm	Tea break (Senate Boardroom)		Secretariat
11.10 am – 1.10 pm (120 minutes)	Session 3 Presentations		Session Chair: Dr Samson Mabwoga
	Venue 1: Sch. Arts PGR-1 <i>SB7-Culture, Indigenous Knowledge Conservation & Environment</i>	Venue 2: Sch. Bus & Econ PGR-1 <i>SB7-Culture, Indigenous Knowledge Conservation & Environment</i>	Venue 3: Sch. Bus & Econ PGR-2 <i>SB8- Cross cutting</i> Moderator: Philip Chemelil



	Moderator: Naomi Gitau	Moderator: Lydia Nashipae	
	Titles of presentation (Presenters names & affiliation)	Titles of presentation (Presenters names & affiliation)	Titles of presentation (Presenters names & affiliation)
11.10 – 11.30 am	<p>Treatment Adherence Among Type 2 Diabetes Patients in Rural Kenya: A Cross-Sectional Study of Knowledge, Attitudes, and Practices in Climate-Vulnerable Communities</p> <p>Allan Kemboi & Winfridah Wangui Njung'e MMaraU, Kenya</p>	<p>The Role of Community Radio in Simplifying and aiding access to Scientific, Climate and Health Information in Communities living in Arid and Semi-arid Lands</p> <p>Wambaz Oleman Learat¹, Maison Ole Nkurrinah¹ & Bursuna Ejere² Sidai Media Group¹ & MMaraU², Kenya</p>	<p>Influence of Women Empowerment Programs on Household Decision-Making in Narok North Sub-County, Narok County, Kenya</p> <p>Elizabeth Takai, Zeddy Lemein & Joseph Misati MMaraU, Kenya</p>
11.30 – 11.50 am	<p>Common Errors in English-Hausa Translation Committed by Judicial Staff of Jigawa State, Nigeria</p> <p>Muhammad Tijjani Ibrahim Jigawa State College of Education and Legal Studies Ringim, Nigeria</p>	<p>Back to Basics: How the Maasai Forms of Oral Literature Reflect Indigenous Understanding of Climate</p> <p>Olomunyak Timothy & Malei Tirati Endangered Languages Project (ELP) Collective, Kenya</p>	<p>Sustainable Safari Tourism: Aligning Eco-Tourism Policies with Global Sustainability Goals at Tembo by Jackson</p> <p>Naini Kararei Manager, Tembo by Jackson, Kenya</p>
11.50 – 12.10 pm	<p>The Role of Insects in Ecosystem Protection and Biodiversity Conservation in Anambra state, Nigeria</p> <p>Okeke Tobeckukwu Ebele Nwafor Orizu College of Education Nsugbe, Anambra State, Nigeria</p>	<p>A Comparative Legal Analysis of the Protection of Cultural Heritage in Kenya and the East Africa Community</p> <p>Matundura Nyambunde MMaraU, Kenya</p>	<p>Analysis of the Extent of Jigger Infestation Among Students in Public Day Secondary Schools of Bumula Sub-County, Bungoma County, Kenya</p> <p>Olita Faith MMaraU, Kenya</p>
12.10 – 12.30 pm	<p>Indigenous Knowledge Systems as Pillars of Climate Resilience: A One Health Approach in Africa</p>	<p>Psychological Impacts of Climate Change Education Among University Students in Kenya</p>	<p>Climate Smart Agriculture Strategy in Enhancing Food Security in Samburu County, Kenya</p>



	Grace Njambi Njuguna Kenyatta University, Kenya	Fredrick Kayusi ^{1,2} , Michael Keri Omwenga ² , Simo Raphael Ongaya ¹ & Meshack Lagat Kipkosgei ¹ MMaraU ¹ & Pwani University ² , Kenya	Brian Ndungu, Walter Kiboi, Asige MMaiti & Obushe Denis MMaraU, Kenya
12.30 – 12.50 pm		Rethinking Universal Health Coverage in the Global South: A Preventive Health Imperative Through Safe Food Systems Shem Oganga Nyangau University of Delhi, India	Effect of Management Committee Financial Literacy on Sustainable Financing in Dairy Cooperative Societies in Kenya Mburu Munyambu Zachariah, Esther Gicheru, Lucy Ngare & Denis Kamau Muthoni Cooperative University of Kenya, Kenya
11.50 – 12.00 pm	Health Break (Re-convene to Conference Hall)		Secretariat
12.50 – 2.00 pm	Lunch break	Senate Boardroom	Secretariat
2.00 – 4.00 pm	Workshop Session 1 – Grass Taxonomy	Biology Lab	Prof Salunkhe Chandrakant & Dr. Dominic Menge
2.00 – 3.00 pm	Workshop Session 3 – Carbon Credits & Finance	Conference Hall	Dr. John Osoi, Johnson & Partners LLP
3.00 – 4.30 pm	Focused Group Discussion on Climate-health interlinkages	Conference Hall	Dr Beatrice Kiage, APHRC
2.00 – 4.30 pm	Cultural Foods Festival	MMaraU Field	ACOPPHE/ILEPA
4.30 – 5.00 pm	Tea Break / Poster Session	Senate Boardroom	Secretariat
5.00 – 5.40 pm (Keynote Address 6 40 minutes)	Climate and Health in Africa through the Lens of Food and Nutrition		Dr. Alice Karanja APHRC, Kenya



5.40 – 5.50 pm	Day 3 Recap & Closing	Nightingale Wakigera, ACOPPHE
6.00 pm -	Departure	Secretariat / Transport Dept

Thursday, 7th August, 2025

Time	Activity	Venue	Facilitator
9.00 am – 4.00 pm	Health Camp	MMaraU Field	ENAI-Africa/Narok County Govt Dept. of Health and Public Services/KEMRI
9.00 am – 4.00 pm	Innovations Exhibitions	MmaraU	MmaraU
9.00 am – 4.00 pm	Grass Taxonomy Workshop Field Day	Maasai Mara	MmaraU
Time	Activity	Presentation Title (Venue – 1; Conference Hall)	Facilitator
8.00 – 8.30 am	Registration		Secretariat
8.30 – 9.10 am (Keynote Address 7 40 minutes)	From ACS to AUCCW and COH: A Storytelling Session About What Brought Us Together		Dr. Nathan Uchtmann & Maison Kipila ACOPPHE
9.10 – 10.10 am (60 minutes)	Round Table Discussion	Traditional Healers Panelists; - Vincent Onyango (Birdlife Africa) - Samson Luari (Ogiek Peoples Development Programme, OPDP) - James Ole Kisier (ACOPPHE member, Patron Ilkiremisho CBO)	Fadzai Matsvimbo Birdlife Africa, Kenya



		<ul style="list-style-type: none"> - Patrick Wafuta-Narok County Conservator of Forests - Dr Rose Bosire, KEMRI 	
10.10 – 11.10 am (60 minutes)	Round Table Discussion	<p>Traditional Midwifery Panelist;</p> <ul style="list-style-type: none"> - Dr Jack Githae - Najar Munyinyi - Gatw wa Mbaria 	Nightingale Wakigera ACOPPHE
11.10 – 11.40 am	Tea Break / Poster Session	Senate Boardroom	Secretariat
11.40 am – 12.40 pm (60 minutes)	Round Table Discussion	<p>Indigenous Knowledge & Conservation Panelists;</p> <ul style="list-style-type: none"> - Fadzai Matsvimbo (Birdlife Africa) - Bursuna Ejere (MMaraU) - Samson Luari (Ogiek Peoples Development Programme, OPDP) - Patu Santoo Ole Naikumi – Mau Forest Conservancy Committee <p>Chairperson</p>	Vincent Onyango Birdlife Africa, Kenya
12.40 – 1.00 pm	Wildlife crop selection preference to reduce crop raiding, using an Experimental Farm result in Transmara Region in Kenya		Abigael Simaloi Pertet Mara Elephant, Kenya
1.00 – 2.00 pm	Lunch break (Senate Boardroom)		Secretariat
2.00 – 2.30 pm (30 minutes)	Traditional Story Telling session		Naini Kararei Entito Empunit Creations & Tembo by Jackson
2.30 – 3.00 pm	TBC		NRF Kenya



3.00 – 4.00 pm	Conference Closing Session	Dr. Ing Jared Ombiro (Conference Secretary)
	Closing Remarks by; <ul style="list-style-type: none"> - Ms. Nightingale Wakigera (Conference Secretary) - Dr. Lanoi J. Parmuat - Executive Director, ENAI-Africa - Dr. Nathan Uchtmann (Conference Co-Chair) - Dr. Aloys Osano (Conference Chair) - Prof Francis Mburu (Ag DVC – RIO) -Closing Remarks & the way forward - Prof P. Aloo-Obudho (Vice Chancellor) Presentation of Certificates - Prof Francis Mburu Vote of Thanks – Dr. Ing Jared Ombiro	
4.00 pm –	Evening Tea	Secretariat

Gala Dinner (Venue to be Confirmed)

6.00 pm – 12.00 am	Gala Dinner	ENAI-Africa
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Friday, 8th August, 2025

Time	Activity	Venue	Facilitator
8.00 am -	Interested participants departure to the airport and other places	-	MMaraU
9.00 am – 4.00 pm	Health Camp	Naisoya Primary School	ENAI-Africa/Narok County Govt Dept. of Health and Public Services /Lions Hospital/KEMRI



9.00 am – 11.00 pm	Land rehabilitation	Naisoya Primary School	MMaraU/ ACOPPHE
11.00 am – 4.00 pm	Community Trainings <ul style="list-style-type: none"> - Donkeys Welfare & clinic - Water, Sanitation & Hygiene - Human health 	Naisoya Primary School	Mara Elephant Afya Africa Farming Systems Kenya Africa Hope MMaraU

Saturday, 9th August, 2025

Time	Activity	Venue	Facilitator
10.00 am – 4.00 pm	Health Camp	Mpiro Primary School, Naikarra	ENAI-Africa/Narok County Govt Dept. of Health and Public Services/Lions Hospital/KEMRI
10.00 am – 11.00 pm	Indigenous Peoples Cultural Celebrations	Mpiro Primary School, Naikarra	World Vision International MMaraU/ ACOPPHE
11.00 am – 1.00 pm	Community Trainings <ul style="list-style-type: none"> - Donkeys Welfare & clinic - Water, Sanitation & Hygiene - Human health 	Mpiro Primary School, Naikarra	World Vision International Farming Systems Kenya Africa Hope, Vet Aid MMaraU
1.00 – 1.30 pm	Intergenerational Dialogue	Mpiro Primary School, Naikarra	ACOPPHE / Johnson & Partners LLP
1.30 pm – 2. 30 pm	Indigenous Peoples Declarations	Mpiro Primary School, Naikarra	ACOPPHE / Johnson & Partners LLP
2.30 pm – 3.00 pm	Conference Outputs	Mpiro Primary School, Naikarra	MMARAU/ ACOPPHE/ ENAI-Africa
3.00 pm -	Optional Bushcamping	Mpiro Primary School, Naikarra	ACOPPHE

Room Assistants (Coordinator – Dr Bakari Chaka)



1. Conference Hall – Felix Mayiega/ Meghan Silau
2. Breakout Room 1 – Brian Ndungu
3. Breakout Room 2 – Theophilus Korir
4. Breakout Room 3 – Maxwell Gitonga

Poster Presentations (Coordinator – Dr. Charity Konana & Sankale)

1. Climate Connect Initiative: Community-led restoration of urban drainage systems for public health and climate resilience in Kenya - Stacy Namweyi Rebecca, MMarau, Kenya
2. Effectiveness of National Land Policy in Addressing Historical Land Injustices in Saboti Sub-County, Trans Nzoia County, Kenya - Kiboi K. Walter, Brian Ndung'u, Asige MMaitisi & Obushe Denis MMaraU, Kenya
3. The role of women self-help groups in enhancing Food security in Kibwezi West Sub-County, Makueni County - Gladys Mutia, MMarau, Kenya
4. Assessment of water quality from in gate D estate within Maasai Mara University in Narok., Kenya - Feiruz Adan Ibrahim, MMaraU, Kenya
5. Spatio-temporal changes in phytoplankton species composition and abundance in water pans under different land uses in arid and semi-arid Narok socio-ecological landscape, Kenya - Martha Bosibori Mosei, MMaraU, Kenya
6. Organic Agriculture, Patrick Omilla, Bomet university college, Kenya
7. Chemically induced Irish potato waste as a potential mesophilic AD reactor – Ruth Waeri, MMarau, Kenya
8. One health in the lens of biodiversity conservation - Kiplangat Elvis, MMaraU, Kenya
9. Solar-Powered Cold Storage Units for Indigenous Vegetable Preservation in Narok County – Alex Kibet, MMaraU
10. Eco-Flame: Sustainable Charcoal from Water Hyacinth Waste – Asoma Brian, MMaraU, Kenya
11. Appraising Panda Miti Okoa Ulimwengu Project – Erick Brian Mutwiri Gitonga, Karatina University, Kenya
12. Assessment of combustion emissions and elemental composition in relation to soils and altitude in Narok, Kenya – Philip Wasonga, MMaraU

Innovation Exhibitions (Coordinator – Dr Ing Jared Ombiro & AbbyChristine Murage Njeri)



1. Traditional Maa Herbarium – Joseph Ole Kipila
2. Nature Detour – Samuel Mariga
3. Materfeto – Otieno Otiende
4. Planet Protect Portal & Wisdom VAULT by ACCECIR
5. VisaTech Kenya – Florah Mshimba
6. Ogiek Peoples Development Programme (OPDP) Indigenous Honey and Vegetables – by Samson Luari
7. National Government Affirmative Fund (NGAF)
8. Indigenous Livelihoods and Empowerment Partners (ILEPA)
9. Africa Population and Humans Research Center (APHRC)
10. Mara Elephant

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RESEARCH, TRANSLATIONS AND SOLUTIONS
FOR CLIMATE