

GBS 2024 Workshop Summary

Workshop title	Leveraging the nexus of biodiversity informatics and bioeconomy to improve rural and urban livelihoods.
Abstract (200 words)	A sustainable bioeconomy hinges on good biodiversity conservation. Well designed bioeconomy strategies conserve biodiversity, and ensure its regeneration in agricultural systems, industrial processing and consumption. They also aim to maximise benefits for indigenous communities who depend on biological resources for their livelihoods, especially in the global south. This workshop will discuss the integration of biodiversity informatics in the bioeconomy, focusing on agrobiodiversity, regenerative agriculture, and indigenous knowledge. The workshop will emphasise how the nexus of biodiversity informatics and bioeconomy can be leveraged to bring about sustainable, social and economic benefits, especially to indigenous communities of Africa and the global south.
Has the workshop been proposed by an institution or an individual?	X Institutional X O Individual
Lead organization name, if applicable	International Centre of Insect Physiology and Ecology (icipe)
Short profile of lead organization (100 words), if applicable	<i>icipe</i> based in Nairobi, Kenya, is a leading research institution specializing in the study of beneficial and harmful insects and their ecological roles. With extensive expertise in biodiversity informatics, <i>icipe</i> employs advanced technologies for data collection and analysis to support biodiversity conservation and sustainable use. Their work in agrobiodiversity, regenerative agriculture, integration of indigenous knowledge, and policy support directly contributes to the development of a sustainable bioeconomy. <i>icipe</i> 's scientific outputs, products and services are ecologically sound and socially inclusive, benefiting both rural and urban communities and broader ecosystems in Africa and beyond.
Other institutions involved, if applicable	N/A
Lead organizer(s)	1. Sunday Ekesi, Deputy Director General, icipe, Kenya 2. Subramanian Sevgan, Head Environment and Biodiversity, icipe 3. Julius Ecuru, Manager, BioInnovate Africa, icipe, Kenya
Bio of lead organizer(s) (100 words per person)	Sunday Ekesi is the Interim Deputy Director General, Research and Partnerships at icipe. He is an entomologist and integrated pest management (IPM) specialist with extensive knowledge and experience in sustainable agriculture (microbial control, biological control, habitat management/conservation, IPM, pesticide management), biodiversity and climate change in Africa and internationally. He is a Fellow of the Entomological Society of America (FESA), Royal Entomological Society (FRES), UK and African Academy of Sciences (FAAS). Julius Ecuru is a chemist, research & innovation management expert, and business advisor. He serves as a Principal Scientist and Manager for BioInnovate Africa at <i>icipe</i>. He is also a Co-Chair of the International Advisory Committee on the Global Bioeconomy (IACGB). His research interest includes interactive learning models that make

	innovation collaboration between universities, industry and government easier and mutually beneficial.
Picture of lead organizer(s)	https://www.icipe.org/about/staff/dr-sunday-ekesi https://qbs2024.org/programme/speakers/
Moderator(s), if applicable	Dr Siro Masinde, Principal Research Scientist, National Museums of Kenya.
Speakers	1. Prof Suresh Kumar Raina, International Technical Advisor, Centre of Sericulture and Bioresource Management, Rashtrasant Tukadoji Maharaj Nagpur University, India. 2. Dr Beatrice Ngaso, Research Scientist, icipe, Cameroon/Kenya. 3. Mr Fransuave Lee Moore, Lake Tanganyika Floating Health Clinic, DR Congo. 4. Mr Justin Kongolo Saliboko, Lake Tanganyika Floating Health Clinic, DR Congo. 5. Dr Anne Akol, Senior Lecturer, Makerere University, Uganda. 6. Mr. Jadot Nkrunzinza, CEO, Ca Nous Concernes Tous, Burundi. 7. Dr. Elvina Henriette, Conservation Biologist, Centre for Environment & Education, Anse Royale, Mahe, Seychelles 8. Ms Maria Mira, UNEP Climate Finance Unit, Kenya.
Workshop Rapporteur	Dr Beatrice Murithi, Research Scientist, Gender, Social Inclusion & Impact Assessment, icipe.

Detailed Workshop Agenda (90 minutes)

Timing	Content	Speaker/Moderator
10 Minutes	Welcome and Introduction	1. Dr Sunday Ekesi, 2. Dr Subramanian Sevgan
15 Minutes	Key note presentation: Livelihood technologies supporting the bioeconomy in African and the global south	Prof Suresh Kumar Raina
40 Minutes	Moderated discussion on bioinformatics and bioeconomy nexus and livelihoods improvements (by Siro Masinde).	1. Dr Beatrice Ngaso 2. Mr Fransuave Lee Moore 3. Mr Justin Kongolo Saliboko 4. Dr Anne Akol 5. Mr Jadot Nkrunzinza 6. Dr Elvina Henriette 7. Ms Maria Mira
15 Minutes	Audience and Panel Interaction (Q&A)	All participants
5 Minutes	Summary	Dr Subramanian Sevgan, icipe
5 Minutes	Closing Statements	Dr Grace Mwaura/Matthew Cassetta (JRS Trustees).