



GLOBAL BIOECONOMY SUMMIT 2024

One Planet – Sustainable Bioeconomy Solutions for Global Challenges

23 – 24 October 2024, Nairobi, Kenya

Safari Park Hotel

Programme



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DAY 1 – WEDNESDAY 23 OCTOBER 2024
07.30 – 08.20
Registration
08.20 – 09.05
Official Opening and Welcome Addresses

Welcome and Introduction by Moderator

 Session Chairs: **Prof Christine Lang**, **Dr Elspeth MacRae**, and **Dr Julius Ecuru**, Co-Chairs, IACGB

Speakers:

- **Prof Christine Lang**, Co-Chair, International Advisory Council on Global Bioeconomy (IACGB), Germany
- **Dr Abdou Tenkouano**, Director General, International Centre of Insect Physiology and Ecology (*icipe*), Kenya
- **Bettina Stark-Watzinger**, Minister, German Federal Ministry of Education and Research (video message), Germany
- **Claudia Mueller**, Parliamentary State Secretary, German Federal Ministry of Food and Agriculture, Germany
- **Ambassador Caroline Vicini**, Swedish Ambassador to Kenya, Sweden
- **Dr Andrew Mwhia Karanja**, Cabinet Secretary, Ministry of Agriculture and Livestock Development, Government of Kenya

09.05 – 11.00
Plenary Session I: Keynotes and Panel – Bioeconomy’s Role and Impact in Today’s Political, Economic, and Ecological Landscape
• Sustainable Circular Bioeconomy • Biologization of industry • Foresight studies and global innovation agenda

 Session Chairs: **Prof Christine Lang** and **Dr Julius Ecuru**, Co-Chairs, IACGB

Speakers:

- **Dr Ertharin Cousin**, President and CEO, Food Systems for the Future, USA
- **Prof Mans Nilsson**, Executive Director, Stockholm Environment Institute, Sweden
- **Carina Pimenta**, National Secretary for the Bioeconomy in the Government of Brazil

Panel Session: Bioeconomy’s Role Today

- **Prof Joachim von Braun**, Distinguished Professor (em.) for Economic and Technological Change at the Center for Development Research (ZEF), Bonn University, President, Pontifical Academy of Sciences, IACGB, Germany
- **Dr Sylvance Okoth**, Executive Secretary, East African Science and Technology Commission of the East African Community, Kenya
- **Dr Elspeth MacRae**, Co-Chair International Advisory Council on Global Bioeconomy, New Zealand
- **Pekka Pesonen**, Permanent Secretary, Ministry of Agriculture and Forestry, Government of Finland
- **Ana Del Hierro Calvachi**, IACGB Youth Champion, Ecuador

11.00 – 11.30
Coffee Break

11.30 – 13.00
Breakout Session I: 8 Parallel Workshops Around Three Thematic Tracks: Advancing Knowledge and Innovation, Driving Industry and Markets, and Shaping the Global Bioeconomy

Workshop	Organiser	Meeting Room
An Intergenerational Dialogue: How to Bridge Youth Visions for Bioeconomy with International Policies on Bioeconomy?	FAO/ IACGB Youth Champions	Bogoria
Bioeconomy Meets ONE HEALTH - How to Develop Regional Value Creation Ecosystems Based on Medicinal Plants and Herbs Cultivation	University of Greifswald	Room 1 – Butterfly
Exploring Global Collaboration Opportunities for Universities in the Bioeconomy Field	European Bioeconomy University Alliance (EBU)	Room 8 – Cricket
Factors Impacting the Implementation of Biorefinery Technologies in the Global Economy	Department of Science and Innovation, South Africa	Room 4 – Beetle
The Power of Many: Addressing Global Food System Challenges Through Innovation in a BioEconomy Context	Seeding The Future van Lengerich Foundation	Bouganville
Harnessing Collective Intelligence for Bioventures Solutions in LATAM	Inter-American Institute for Cooperation on Agriculture (IICA)	Room 7 – Mosquito
Financing the Bioeconomy: African Opportunities and Challenges	World Bioeconomy Forum/ NatureFinance/ Ecosystems Finance Health	Room 6 – Grasshopper
Making it real – Exploring Concrete Actions and Recommendations Towards Fostering the Implementation of the African Union (AU) - European Union (EU) Innovation Agenda through Bio-Economy Collaboration	BioInnovation Institute Foundation (BII)	Ivory

13.00 – 14.00
Lunch

14.00 – 16.00

Plenary Session II: Keynotes and Panel – *The Innovation Ecosystem for Bioeconomy - Finance, Technologies and Societal Initiatives*

- *Challenges and steps towards a bioeconomy future*
- *Business, finance and policy makers contribute to a positive bioeconomy innovation ecosystem*
- *Global R&D and business value-chains*
- *Regional networks and local initiatives*
- *Social innovation*
- *Traditional knowledge and frugal innovation*

Session Chairs: **Dr Mary Maxon** and **Prof Ian O'Hara**, IACGB

Speakers:

- **Morten Enggaard Rasmussen**, Executive Vice President, People and Stakeholder Relations, Novonosis, Denmark
- **Dr Kelly Seagraves**, Senior Advisor, Biotechnology Policy, US Department of State, Office of the Special Envoy for Critical and Emerging Technology, USA
- **Dr Linda Davis**, Founder and CEO, Giraffe Bioenergy, Kenya
- **Franck Leroy**, President of Grand Est, France (video message)

Panel: Innovation in Bioeconomy Technologies and Finance

- **Nicoló Giacomuzzi-Moore**, Executive Director, Circular Biobased Europe, Belgium
- **Dr Stefania Abakerli**, Senior Climate Specialist, World Bank, USA
- **Zhengzheng Qu**, Programme Manager, Nature and Climate Finance, UN Environment Programme, China/Kenya
- **Mandla Nkomo**, Chief Executive Officer, Partners in Food Solutions, Zimbabwe
- **Dr Lily Eurwilaichitr**, Assistant Executive Director, National Energy Technology Centre, National Science and Technology Development Agency, Thailand
- **Hailey Ciantar**, European Commission Bioeconomy Youth Ambassador, Malta

16.00 – 16.30

Coffee Break

16.30 – 18.00
Breakout Session II: 8 Parallel Workshops Around Three Thematic Tracks: Advancing Knowledge and Innovation, Driving Industry and Markets, and Shaping the Global Bioeconomy

Workshop	Organiser	Meeting Room
AI-Powered Solutions for Pest and Disease Management in Primary Bioeconomy Production	International Bioeconomy Forum/ ICT-AGRI ERA-NET	Arcade 8: Cricket
The Significance of Water in Bioeconomy Strategies	Fraunhofer Institute for Interfacial Engineering and Biotechnology IGB	Bogoria
Sustainable Bioenergy-Biochar Systems and Circular Bioeconomy	CIFOR-ICRAF	Room 4 - Beetle
Availability of and Competition for Biomass in the Bioeconomy	icipe/ University of Bonn	Bouganville
Healthy Soils: An essential Prerequisite for Sustainable Bioeconomy	Eco-Environment Innovation/ Art and Nature Foundation Nantesbuch	Room 6 - Grasshopper
Let's Create a Future-Ready bioeconomy: Innovative, Inclusive and Sustainable!	EU Bioeconomy Youth Ambassadors	Room 7 - Mosquito
Private-Public Cooperation in the Bioeconomy as a Driver for (re)-Industrialisation	Bio-based Industries Consortium (BIC)	Room 1 - Butterfly
The Contribution of Forest Products to the Sustainable Bioeconomy in Africa - Trends, Challenges and Opportunities	FAO	Ivory

18:45 - 20:45
NETWORKING DINNER
GBS2024 Co-Hosts will Present the 2024 State of the Bioeconomy in East Africa Report
CLOSE OF DAY 1

DAY 2 – THURSDAY 24 OCTOBER 2024

07.30 – 08.30

Registration

08.30 – 09.00

Opening Addresses: Welcome and Introduction to Day 2

Speakers:

- **Dr Eliane Ubalijoro**, CEO, The Center for International Forestry Research and World Agroforestry (CFOR-ICRAF), Kenya
- **Margrethe Vestager**, Executive Vice-President, Biotech and Biomanufacturing (European Commission), (video message), Denmark
- **Michael Kellner**, Deputy Minister, German Federal Ministry of Economic Affairs and Climate Action (video message), Germany

09.00 – 11.00

Plenary Session III

Bioeconomy, a Pathway for Strengthening Agri-food Systems Resilience and Climate Action in Africa and the Global South

Session Chairs: **Prof Lucia Pittaluga** and **Ben Durham**, IACGB

Speakers:

- **Dr Getaw Tadesse**, Director, Department of Operational Analysis, AKADEMIYA 2063, Rwanda
- **Dr Julio Berdegué Sacristán**, Minister of Agriculture and Rural Development, Government of Mexico (video message)

Panel 1: Bioeconomy Policy Priorities for Equitable Global Development

- **Dr Peter Minang**, Africa Director, Center for International Forestry Research and World Agroforestry (CIFOR-ICRAF), Kenya
- **Hon. Andrea Aguer Ariik Malueth**, Deputy Secretary General, East African Community Secretariat, Tanzania
- **Dr Agnes Kalibata**, President, Alliance for a Green Revolution in Africa (AGRA), Kenya
- **Dr Anthony Nyong**, Director of Climate Change and Green Growth, African Development Bank, Cote d'Ivoire
- **Dr Peggy Oti Boateng**, Executive Director, African Academy of Sciences, Ghana

Panel 2: Innovation and Entrepreneurship in Bioeconomy

- **Daniel Ndima**, Chief Executive Officer, Cape Bio, South Africa
- **Talash Huijbers**, Founder and CEO, InsectiPro Ltd, Kenya
- **Ginette Karirekinyana**, Founder and CEO, Karire Products Ltd, Burundi
- **Prof Karoli Nicholas Njau**, Founder and CEO EnvSol Ltd, Tanzania

Panel 3: Bioeconomy Pathways: Perspectives on Evolving Visions and Emerging Strategies in Africa, Latin America, and Asia

- **Dr Francis X. Johnson**, Senior Research Fellow and Climate Lead, Stockholm Environment Institute – Asia Centre, Thailand/Sweden
- **Monica Trujillo**, Senior Researcher, Stockholm Environment Institute, Colombia
- **Fortunate Muyambi**, Deputy Executive Secretary, East African Science and Technology Commission, Rwanda
- **Dr Warinthorn Songkasiri**, Director of Biochemical Engineering and Systems Biology Research Group, National Center for Genetic Engineering and Biotechnology, Thailand
- **Dr Aisha M. Nakitto**, Scientist, Dept of Policy Innovations, AKADEMIYA2063, Rwanda

11.00 – 11.30

Coffee Break

11.30 – 13.00

Breakout Session III: 8 Parallel Workshops Around Three Thematic Tracks: Advancing Knowledge and Innovation, Driving Industry and Markets, and Shaping the Global Bioeconomy

Workshop	Organiser	Meeting Room
Connecting Young Changemakers and Thought Leaders to Shape a Sustainable Future	IACGB Bioeconomy Youth Champions	Room 1 - Butterfly
Leveraging the Nexus of Biodiversity Informatics and Bioeconomy to Improve Rural and Urban Livelihoods	icipe	Bogoria
Metrics and Technical Standards to Monitor the Economic Contribution and Sustainability of the Bioeconomy and Foster Innovation	UN-ECLAC	Room 7 - Mosquito
Feedstocks for New Value Chains, Unlocking Full Potential of Crop Residues and Food Processing Side-Streams	LL-BioEconomy, Research and Advisory	Room 6 - Grasshopper
Will Small-Scale African farmers be Active Participants in the Worldwide Circular Bio-Economy by 2044?	DIVAGRI Project (funded by EU)	Room 8 - Cricket
Building Sustainable and Inclusive Forest-Based Bioeconomy Value Chains and Business Models Globally	International Bioeconomy Forum (IBF) Working Group on Forestry	Room 4 - Beetle
Ready for Takeoff: Empowering Africa's Workforce for the Bioeconomy and a Just Transition	The Roundtable on Sustainable Biomaterials (RSB)	Ivory
Regionalisation of Bioeconomy: Nested Approaches from Global Targets to Local Implementation	Forschungszentrum Juelich	Mt Kenya D

13.00 – 14.00

Lunch

14.00 – 16.00

Plenary Session IV: Way Forward: Science, Partnership, Shared Responsibilities and Joint Platforms; Bioeconomy in the Global Agenda

• Steps towards transformation • Global Bioeconomy Investment • Global Bioeconomy Partnership • Bioeconomy in economy strategies

Session Chairs: **Dr Órlaith Ni Choncubhair** and **Hugo Chavarria**, IACGB

Speakers:

- **Prof Xian-En Zhang**, Chair Professor, Dean and Chair Professor, Faculty of Synthetic Biology, Shenzhen University of Advance Technology, China
- **Dr Maximo Torero**, Chief Economist, FAO (video message), Peru/EU
- **Vikash Abraham**, Chief Strategy Officer, Naandi, India
- **Ambassador André Corrêa do Lago**, Secretary for Climate, Energy and Environment, Ministry of External Affairs of Brazil (video message)

Panel 1: Bioeconomy Transformation

- **Prof Stéphanie Baumberger**, Institut Jean-Pierre Bourgin, AgroParisTech, Université Paris-Saclay, France
- **Dr Rose Mwebaza**, Representative and Regional Director for Africa, United Nations Environment Programme (UNEP), Uganda
- **Dr Anamika Dey**, Chief Executive Officer, GIAN, India
- **Lara Kotzé-Jacobs**, CSIR Program Manager, Biomanufacturing Industry Development Centre, South Africa
- **Francis Sullivan**, Chair of the Sustainable Biomass Program, UK/Canada

Panel 2: Bioeconomy Partnerships

- Statements from partners on intent to establish a Global Bioeconomy Partnership

16.00 – 16.30

Coffee Break

16.30 – 17.30

Plenary Session V: Top level Summaries, Communiqué and Debate

• Impact and implementation – Goals by 2030 and 2045/2050 • Presentation of the 2024 Communiqué recommendations

Session Chairs: **Prof Christine Lang**, **Dr Elspeth MacRae**, and **Dr Julius Ecuru**, Co-Chairs, IACGB

- Report back on workshops to the Summit
- Presentation of the GBS2024 Communiqué: **Prof Christine Lang**, **Dr Elspeth MacRae**, and **Dr Julius Ecuru**, Co-Chairs, IACGB
- Presentation of the Global Bioeconomy Summit Youth Communiqué: **Bertha Shifeta** and **Ana Del Hierro Calvachi**

17.30 – 17.50

Farewell and Closing of the Global Bioeconomy Summit 2024

- Program close by Global Bioeconomy Summit Co-Chairs: **Prof Christine Lang**, **Dr Elspeth MacRae**, & **Dr Julius Ecuru**, Co-Chairs, IACGB
- Concluding remarks by host: **Dr Abdou Tenkouano**, Director General, *icipe*, Kenya

END OF GBS2024



GLOBAL BIOECONOMY SUMMIT 2024



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MALABO
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PANEL



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The magazine cover features a large, colorful watercolor-style arrow pointing upwards and to the right, set against a light grey background with blue and green splatters. The arrow's colors transition from purple at the bottom to yellow at the top. The magazine title 'European Biotechnology' is in a large, black serif font, with 'Life Sciences and Industry Magazine' in a smaller, black sans-serif font below it. The ISSN number 'ISSN 2364-2351 | A 60711 | BIOCOM.' is in the top right corner. The main headline 'Deals & more Signs of recovery' is centered, with 'Signs of recovery' in a large, red, serif font. A small portrait of Kai Pohlmeier, CEO of Richter Biologics, is in the top right corner, with an 'Interview' label. At the bottom, three white boxes with black text provide highlights: 'RNAissance: Innovation makes RNA drugs attractive to bold investors', 'European Commission: How von der Leyen plans to support Europe's biotech sector', and 'Special: CRO/CDMO: The new US Biosecure Act will transform the growing industry'. The BIOCOM logo is in the bottom right corner.