



BLP 2025

BIOENERGY FOR LOCAL PRODUCTION INTERNATIONAL CONFERENCE PROGRAM



Under the auspices of the UNESCO IDBio chair



CONFERENCE FUNDED BY EUROPEAN UNION & THE AGENCE FRANÇAISE DE DÉVELOPPEMENT AS PART OF DESIRA AND HORIZON 2020 PROGRAMS





BLP 2025 - TUESDAY, JANUARY 28

8h00 - 8h30 - COFFEE RECEPTION (*bananier hall*)

8h30 - 10h00 - INTRODUCTORY PLENARY SESSION (*amphitheater*)

- *Welcome from the organization - Conference objectives and challenges*
Elisabeth CLAVERIE DE SAINT MARTIN, CEO of CIRAD and Organizing committee
- *Commitment of donors and promotion of innovation at the local level among economic stakeholders in West Africa*
Christophe LAROSE, Team Leader, Sustainable Agriculture, General manager International Partnerships, European Commission
- *Challenges related to the development of bioenergy for productive purposes*
François GIRAUDY, ARB division of Agence Française de Développement
- *Issues linked to the development of and access to short-circuit energy as part of a local approach*
Alexandre LEGRIS, Agence de Programme sur l'Énergie Décarbonée
- *Renewable energy development strategy in West Africa*
Mawufemo MODJINO, ECOWAS Center for Renewable Energy and Energy Efficiency (ECREE)

COFFEE BREAK
10H00 - 10H30

10h30 - 12h30 - PLENARY SESSION (*amphitheater*)

- *Bioenergies: challenges linked to the development of medium-power local energy solutions*
Joachim MÜLLER, Hohenheim University
- *Scaling innovation : from readiness to application*
Murat SARTAS, Innovation and Scaling Lead, Alliance of Bioversity and CIAT & IITA
- *How to accelerate grassroot innovations: inspirations from UNPD Accelerator Labs*
Gina LUCARELLI, UNDP Accelerator Lab

12H30 - 14H00 - COCKTAIL RECEPTION

14h00 - 18h00 - THEMATIC SESSIONS

Technical developments dedicated to the use of biomass energy by enterprises: Local biomass & processes (*amphitheater*)

- *BioStar Project: Co-design of a shea nut roaster using churning sludge as fuel*
Sayon SIDIBIE, Ousmane DIMA, 2iE - Hervé JEANMART, Catholic University of Louvain
- *Challenges and issues in biomass conditioning*
Matthieu CAMPARGUE, RAGT Énergie
- *Pre-composting of inputs in continuous dry batch methanization: Issues and recommendations*
Diana GARCIA-BERNET, LBE-INRAE
- *BioStar project: co-design of a cashew nut shell staged combustion boiler*
Alexandre Parfait SANOU, 2iE - Laurent VAN DE STEENE, CIRAD
- *Pyrolysis of agricultural wastes with the Brazilian Kiln*
Patrick ROUSSET, CIRAD
- *Pyrolysis of cashew nut shells in Burkina Faso*
Étienne PERRIER, Magloire SACLA-AÏDE, Nitidæ

COFFEE BREAK
15H45 - 16H15

Large-scale deployment of locally developed technologies (*badiane room*)

- *Scaling flash drying : RTB Food project on scaling up small-scale cassava drying units*
Alejandro TABORDA ANDRADE, agricultural innovation consultant - Arnaud CHAPUIS, Thierry TRAN, CIRAD
- *The full story of the cashew pyrolyzer across borders: Genesis, challenges, fut*
Pascale MARTEL-NAQUIN, CEFREPADE - Thierry GODJO, UNSTIM Benin Étienne PERRIER, Nitidæ
- *Innovation platforms as support for the dissemination and communication of innovative technologies - Feedback from DeSIRA projects around the world*
Chloé LECOMTE, CIRAD, et al.
- *Hydrothermal carbonization and anaerobic digestion of agricultural and forestry waste: Practical implementation in Senegal*
Lat Grand NDIAYE et al., UASZ
- *Conception trajectories for Biostar innovations*
Ignace MEDAH, IRSAT, et al.



BLP 2025 - WEDNESDAY, JANUARY 29

8h30 - 9h00 - COFFEE RECEPTION (*bananier hall*)

9h00 - 12h30 - PLENARY SESSION (*amphitheater*)

COFFEE BREAK
10H40 - 11H10

- *Renewable energy development strategy in West Africa*
Francis SEMPORE, ECOWAS Center for Renewable Energy and Energy Efficiency (ECREE)
- *How can we explain the unequal treatment of renewables in Africa's energy future?*
Sadrine MICHEL, University of Montpellier
- *Can bioenergies improve employment quality in SMEs?*
Mohamed PORGO, University of Thomas Sankara
- *Biomass combustion: Issues, challenges, and technological development*
Yann ROGAUME, University of Lorraine, LERMAB
- *Sustainable, local, and citizen-based heal*
Frédéric BOURGOIS, COOPÉOS

12H30 - 14H00 - COCKTAIL RECEPTION

14h00 - 18h00 - THEMATIC SESSIONS

Technical developments dedicated to the use of biomass energy by enterprises: Sustainable technologies & local contexts (*amphitheater*)

- *BioStar Project: Co-design of a cashew nut shelling boiler powered by heat from cashew nut shell combustion*
Ibrahima MANÉ, WINDA - Hélène DUPEUX, CIRAD
- *Feedback on pico/micro methanization*
Luc GERUN, S3d Ingénierie
- *Cashew gasification in Cambodia*
Brice NICOLAS, IED
- *Carbon recycling biostation in côte d'ivoire*
Kossia OUATTARA, LONO
- *Valorization of shea tree by-products for a cooperative in northern Togo*
Aristide DEJEAN, Best Énergies
- *Biochar uses for soil amendment and water purification in Côte d'Ivoire*
Casimir BROU YAO, Kouassi Benjamin YAO, Institut National Polytechnique-Houphouët-Boigny (INP-HB)

COFFEE BREAK
15H45 - 16H15

Bioenergy as part of the circular economy (*badiane room*)

- *Bioenergy and territorial development: The experience of biogas digesters in West Africa*
Xavier BAMBARA, former coordinator of Burkina Faso's national biodigester program and of the west african biodigester Alliance
- *The development dynamics of the occitan biogas and biomethane sector: An evaluation of the innovation system in terms of its circularity*
Clément BONNET, University of Montpellier
- *Analysis of the environmental and health impact of cashew nut shell energy recovery in Burkina Faso*
Marie SAWADO, 2iE
- *Characterisation of West-African agricultural waste as feedstock for thermochemical conversion processes*
Capucine DUPONT et al., IHE Delft
- *A participatory exploration of the expected impacts of technological change on small and medium food-processing enterprises in Burkina Faso and Senegal*
Livia BARTOLOMEI, Université ROMA TRE

18H30 - COCKTAIL RECEPTION



BLP 2025 - THURSDAY, JANUARY 30

8h30 - 9h00 - COFFEE RECEPTION (*bananier hall*)

9h00 - 10h20 - PLENARY SESSION (*amphitheater*)

COFFEE BREAK
10H20 - 10H50

- *BioStar project: bioenergy for SMEs in West Africa* - Joël BLIN, CIRAD
- *Bio4Africa project: bio-based solutions for sustainable agri-food systems in rural Africa* - Jean-Michel COMMANDRE, CIRAD

10h50 - 12h30 - DISCUSSION PANEL (*amphitheater*)

Development and adaptation of technical solutions: Contextual and local approaches

1. What are the determining factors and criteria taken into account when making technological choices?
2. What are the keys to ensuring that the equipment designed meets the expectations/needs/ know-how of concerned parties ?
3. How can we find the right balance between technical performance and economic profitability?

Testimonials from key players, followed by discussion with participants

10h50 - 12h30 - BIO4AFRICA FINAL CONFERENCE (*badiane room*)

Green valorization of agricultural wastes - Moderator: Knud TYBIRK, FBCD

- *Biomass pelletization for energy and biorefinery use*
Benjamin RABDEAU et al., RAGT
- *Green protein products from fresh leaves by biorefinery in Uganda*
Wim VAN DOORN, Mohammed SHARIFF, KRC
- *Novel biorefinery whey applications*
Aleksandra AUGUSTYNIAK et al., MTU
- *Up-grading agro-wastes from western Africa in biocomposites applications*
Souha MANSOUR et al., CIRAD
- *Bioeconomy effects in rural Ghana*
Moses N'GANWANI TIA et al., Savanet

12H30 - 14H00 - COCKTAIL RECEPTION

14h00 - 15h00 - PLENARY SESSION (*amphitheater*)

- *Strategy for the development of bioenergy for productive purposes at the local level*
François GIRAUDY, ARB division of Agence Française de Développement
- *Projets Nexus énergie Eau Alimentation & économie Circulaire*
Vanessa MARTOS POZO, ECOWAS Center for Renewable Energy and Energy Efficiency (ECREE)

15h30 - 16h30 - DISCUSSION PANEL (*amphitheater*)

Contribution of bioenergy to local sustainability: Social, economic, and environmental

1. Cascading biomass valorization : How can we prioritize biomass uses according to local contexts and needs?
2. How can we guarantee the sustainability/economic viability of bioenergy innovations? Can the environmental impact of bioenergy and/or by-products be a lever for developing the bioeconomy?

Testimonials from key players, followed by discussion with participants

COFFEE BREAK
15H00 - 15H30

14h00 - 16h30 - BIO4AFRICA FINAL CONFERENCE (*badiane room*)

Sustainability, business, outreach and policy recommendations

Moderator: Marie-France THEVENON, CIRAD

- *Life Cycle Assessment results on the technologies of Bio4Africa*
Giorgios LANARAS-MAMOUNIS, DREVEN
- *Circular business models for small-scale biobased technologies in rural Africa: Co-creation and validation with local stakeholders*
Evangelia TSAGARAKI, Q-PLAN INTERNATIONAL - Morris EGESA, AFAAS
- *Bridging innovation and practice: Reaching smallholder farmers with bio-based solutions for sustainable agriculture in Africa*
Robert KUBAI, EAFF - Morris EGESA, AFAAS
- *Summary of policy recommendations to enhance bioeconomy*
Daniel WILLY, AATF

16h30 - 17h00 - RESTITUTION & CONCLUSION (*amphitheater*)