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## ECOWAS SUSTAINABLE ENERGY FORUM ESEF 2024

Towards a Just Energy Transition in West Africa

# Funding and Implementation of WACEC + BESS projects to contribute to “ a Just Energy Transition in West Africa”

Parc des Expositions - Abidjan, Côte d'Ivoire  
November 28 - 29, 2024

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# Session : Funding and Implementation of WACEC + BESS projects to contribute to “ a Just Energy Transition in West Africa”

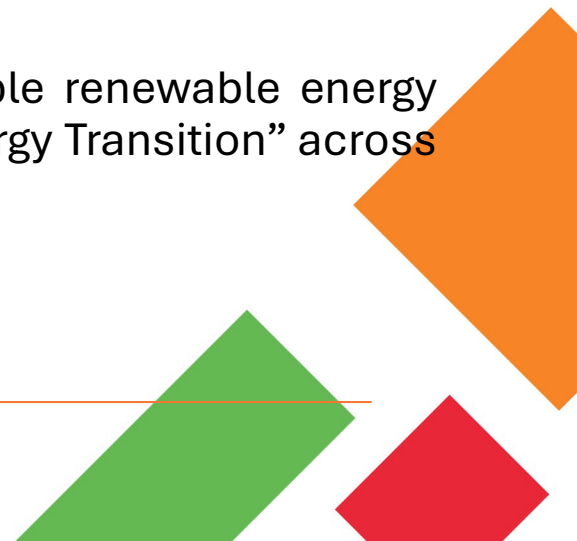
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## Background

Amidst global efforts towards sustainable energy, Africa's potential for clean energy projects mainly variable renewable is substantial, yet realizing this objectives necessitates synergy between regional and national stakeholders as well as International Financing Institutions through innovative financing approaches. These synergies and innovative financing approaches can be implemented through the West African Clean Energy Corridor (WACEC) and BESS Least Cost Investment Plan to access to sustainable, affordable and reliable grid connected electricity and which aims to achieve 10 GW of solar PV, 2 GW of small hydro and 1 GW of wind energy in 2030.

This panel gathers experts to discuss synergy and innovative financing strategies tailored to Africa's unique context, including novel funding mechanisms, risk mitigation, specialized financial tools, and engaging institutional investors with project case studies.

By examining these themes, the session aims to unlock insights that can expedite variable renewable energy deployment including BESS and foster sustainable development contributing to “ a Just Energy Transition” across West African sub region.



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## Session Overarching Questions/Objectives:

- 1. Engaging Institutional Investors for West Africa’s Energy Transition:** Explore avenues to unlock institutional capital to fund energy transition projects in West Africa. Analyze strategies for aligning project structures with the investment criteria of pension funds, sovereign wealth funds, and impact investors, while considering factors such as scalability, long-term returns, and social impact within the African context.
- 2. Innovative Financing Solutions for a West African Energy Transition:** Explore cutting-edge financing models designed to accelerate energy transition projects across the African continent. Discuss the relevance of innovative mechanisms like climate funds, green bonds, of blended finance, concessional loans, regional investment platforms and impact investment in addressing Africa's unique energy challenges and opportunities.
- 3. De-risking Investments in West African Renewable Energy:** Delve into strategies to mitigate investment risks associated with energy transition projects in Africa. Highlight the role of political and regulatory stability (including the harmonization of documents such as: policy, strategy and contracts with regard to the regional electricity market, which is entering its 2nd phase (day ahead)), technology advancements, skills and technology transfer, including strong local content and risk-sharing mechanisms in attracting both domestic and international investors to support the growth of renewable energy infrastructure.
- 4. Alignment between donor programs and coordination between regional planning and national initiatives:** Examine the best way of coordinating regional planning and project preparation activities with the support of IFIs. Align the interventions of the various IFIs with planning documents such as: WACEC strategies, Master Plan production, transport, Least Cost Investment Plan on BESS at both regional and national levels.



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Welcome and Introduction by the Moderator (**2 minutes**)

Short presentation of the panelists by the Moderator (who is here?) (**5 minutes**)

Short presentation of ECREEE projects by ECREEE (what we have) (**10 minutes**)

Panelists Questions begin, two questions each based on the sessions overarching objectives on slide 3 (**25 minutes in total**)

Short summary of the presentations by the Moderator and Opening floor for discussion (**20 minutes**)

Moderation of interactive exchange between the panelists and the audience (**10 minutes**)

Closing & Thanking the panelists and the audience for their interest (**3 minutes**)

Session is foreseen for about 1 or 1:15 hour



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**Moderator:** Mr. Assani-Massourou DAHOUENON (Head of GIZ ProCEM-II programme)

**Projects Presentation:** Mr. Guei Guillaume F. Kouhie (Programme Officer-ECREEE)

## **Panelists:**

- Mr. Roger N'Guessan Tetra Tech/ USAID (EMPOWER West Africa)
- Mr. Stéphane Madou, AFD, Côte d'Ivoire (AfDB)
- Ms. Laura DESMOULIN , EU Delegation , Côte d'Ivoire
- Mr. Emmanuel Tandoh Deputy CEO, Bui Power, Ghana.





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## Bibliography



**Mansour Assani DAHOUENON**  
Head of Promotion of Climate  
Friendly Electricity Market  
Programme in ECOWAS Region

### Mansour Assani DAHOUENON

Mr. Dahouenon is the Director of the Program for the Promotion of a Climate Friendly Electricity Market in ECOWAS Region. This program is under the supervision of the ECOWAS Commission, and it is implemented in collaboration with its specialized institutions, namely WAPP, ECREEE and ERERA.

Mr. Dahouenon has over 35 years of experience in the field of planning and implementation of renewable energy development objectives as well as urban and rural electrification, particularly in West Africa. He spent the last 30 years at GIZ.

Mr. Dahouénon holds an engineering degree in the electrical industry and a Master's degree in energy systems planning and management from the Technical University of West Berlin.



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## Bibliography



**Guei Guillaume Fulbert KOUHIE**

*Program Officer- RE Technologies /  
ECREEE*

### **Mr. Guei Guillaume Fulbert KOUHIE**

Mr. Guei Guillaume Fulbert Kouhie has a little over 19 years of experience in the renewable energy sector.

He held the position of Deputy Director of the Promotion and Development of Renewable Energy at the Ministry in charge of Energy of Côte d'Ivoire during 9 years where he worked on the development and implementation of the national bioenergy and clean cooking projects and programs as well as the development of off-grid electrification projects, the development of large-scale renewable energy projects connected to the grid by leading the selection process of IPPs and negotiation of PPAs for solar PV and biomass power plants.

He has been working for almost 7 years at the ECOWAS Centre for Renewable Energy and Energy Efficiency (ECREEE) where he is coordinating the implementation of Regional Bioenergy and Clean cooking programs. In parallel, he is also working on ECREEE several other programs including among others, the West African clean Energy Corridor Initiative, the rural electrification, Water-energy-Food Nexus and SOLTRAIN Programs, etc.

He holds master's degree in energy and electromechanics from university of Cocody in Cote d'Ivoire and a post-graduate diploma in energy and industrial refrigeration engineering from ZIE of Ouagadougou in Burkina Faso.



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**Dr. Roger N'GUESSAN,**

*Senior Technical Advisor Tetra  
Tech USAID & Power Africa  
Empower West Africa Abidjan,  
Côte d'Ivoire and Canada.*

### **Mr. Roger N'GUESSAN**

Dr. N'Guessan has over 35 years' experience providing energy sector technical leadership and advisory services. He recently led ten technical experts across 14 West Africa (WA) countries to provide technical support to over 300 off-grid companies, government bodies, and investors, helping over ten governments implement 40+ policies and regulations to support the off-grid energy sector. Under Power Africa Transaction and Reforms Program (PATRP), he led a team of 12 to develop Renewable Energy (RE) and off-grid policy as an embedded advisor in Côte d'Ivoire's Ministry of Energy and provided thought leadership to Côte d'Ivoire's roadmap to achieve 42 percent RE by 2030. In WA, he advised MCC leadership to develop a five-year, \$350m compact for regional integration, worked with ECOWAS bodies such as WAPP and ERERA, secured a \$750,000 grant for compact development and oversight, and engaged with local IPPs to seek buy-in. He was appointed by the Agence Française de Développement to coordinate the technical assistance program of SUNREF, a green credit line of €30m aiming to support private sector investment in RE and Energy Efficiency (EE) in West Africa. Dr. N'Guessan is currently the Senior Technical Advisor for Empower West Africa Activity, supervising closely Power Africa activities in eighteen West and Central Africa countries for improving energy access and promoting investment in renewable energy generation to contribute respectively to ending energy poverty and advancing energy transition in the region. Team leadership provided on daily basis to outcome leads and country advisors as well as sector experts.





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## Bibliography



**Mr. Maximillian KWARTENG**

*Deputy Director - Renewable  
Energy Department at the BUI  
Power Authority, Ghana*

### **Mr. Maximillian KWARTENG**

Leveraging over 15 years of hands-on experience within the West-African Sub-region energy sector, managing complex multi-faceted energy projects involving cross-functional teams. Ing. Kwarteng holds an MBA in Green Energy and Sustainable Businesses from The Bologna Business School, University of Bologna, Italy.

He held following positions:

- Managing Director for Strategic Power Solutions (SPS) – Solar PV Panel Manufacturing plant,
- Technical Committee member for Renewable Energy Standards with the Ghana Standards Authority.
- Industrial Advisory Board Member @ Regional Centre for Energy and Environmental Sustainability (RCEES) - University of Energy and Natural Resources (UENR),
- Technical Advisor to the Hon. Minister for Energy in Ghana,

Ing. Kwarteng is currently the Deputy Director - Renewable Energy Department at the BUI Power Authority of Ghana.



# Session : Funding and Implementation of WACEC + BESS projects to contribute to “ a Just Energy Transition in West Africa Bibliography

Photo of  
Panalist

**Mr. Stéphane MADOU**

Short text for bibliography on 1 slide

**Mr. Stéphane MADOU,**  
*Responsible of Energy  
projects, AFD Abidjan, Côte  
d'Ivoire*



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Photo of  
Panalist 1

**Ms. Laura DESMOULIN**

Short text for bibliography on 1 slide

**Ms. Laura DESMOULIN**

*Team Leader Inclusive and  
sustainable growth, EU  
Delegation, Abidjan, Côte  
d'Ivoire*

