

THE AFRICAN ENERGY SECTOR: IMPACT OF ENERGY TRANSITIONS AND CLIMATE CHANGE ON FUTURE DEVELOPMENTS.



**AFRICAN ENERGY & MINERAL
management initiative**

EDITED BOOK PROJECT.

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Transitions Conference

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NOTE

- All the chapters are complete awaiting publication.
- Register to attend the video launch which will feature a series of webinars by the authors. Link, <https://www.eventbrite.co.uk/e/105777214496>
- We shall also send free copies of the final book to those who register. Contact Dr. Victoria R Nalule for more details (v.r.z.nalule@dundee.ac.uk)

About this book

This is an edited book project with contributions from authors across the African continent. The book reviews the current developments in the African energy sector and highlights how they are likely to be affected by the ongoing global efforts to transition to a low carbon economy and tackle climate change.

The book uniquely examines the progressive nature of global energy use and introduces a new concept which Dr. Victoria Nalule christens 'Energy Progression' and opines is the most appropriate pathway for Africa to adopt in order benefit from its massive energy resources. The various concerns of the energy transition in Africa are expounded by Ms. Noreen Kidunduhu who argues against a 'wholesale transition' and suggests a blend of strategies that would allow African countries to capitalise their fossil fuels while simultaneously constraining carbon emissions. Indeed, all this highlights the need to progress from one energy source to another. However, the anticipated boom in urbanisation, industrialisation and population growth on the African continent necessitates the utilisation of fossil fuels. It is in this respect that Mr. Ayebare Rukundo analyses the continued role of fossil fuels for economic development in African countries.

The progressive nature of energy use is further highlighted by Ms. Catherine Nabukalu and Dr. Reto Giere in their chapter which analyses the continued reliance on charcoal alongside modern energy in Africa. This is an important chapter for the reason that, over 70% of rural populations in Africa are still dependent on traditional biomass energy and may need more time to progress from traditional biomass to fossil fuels.

The above discussions, however, do not mean that African countries are climate change deniers. The progress made by African countries to deploy renewable energy sources is evaluated by various authors including Ms. Susan Nakanwagi who explores the prospects and challenges of nuclear energy developments in Africa. National case studies analysing the deployment of renewables in Africa are discussed by; Dr. Mostafa Elshazly who focuses on Egypt; Mr. Marvin Tumusiime who focuses on Uganda and Cosmos Nike Nwedu who brings in the Nigerian experience. While emphasising the crucial role of renewables, Mr. Peter Reat Gatkuoth addresses the environmental impacts of oil and gas in South Sudan.

Besides referring to national case studies, the book highlights the growing efforts to tackle energy access and climate change challenges on the African continent through regionalism. In this regard, regional efforts in the development of the African energy sector are adequately considered by Dr. Macdonald Irowariwa. Additionally, various key thematic issues are addressed in this book including energy justice in the African energy sector as elucidated by Ms. Tosin Timitimi; local content advancements and their impact on the African energy sector as discussed by Dr. Rukonge Muhongo and Ms. Linda Lindsey; energy legislations and their impact on the industry as explained by Michael Uche Ukponu, Yusuf Sulayman and Kester Oyibo.

It is no secret that most African countries have not benefited from their energy resources, the book thus considers the different initiatives that ensure local communities benefit from their resources in the Chapter by Wairimu Karanja & Nduta Njenga that looks into the aspects of Corporate Social Responsibility and Social

Licence to Operate in the oil and gas sector. Recognising that women are the major users of energy in Africa, Dr. Florence Masajuwa, Ms. Alaka Lugonzo & Mr. Kennedy Chege discuss gender justice in the energy transition.

Whereas there are various national and regional initiatives geared towards developing the African energy sector, we note that energy projects are capital intensive ventures. Mr. Japhet Miano therefore spotlights the struggles of achieving the 'Power Dream' specifically analyzing Chinese investments in the Kenyan energy sector. These investments are prone to disputes and as such Mr. Nicholas Muhereza dissects International Arbitration as it relates to the African energy sector. The book is then concluded by Dr. Victoria Nalule who offers thoughts on the future of the African energy sector post COVID-19.

The foregoing highlights the salient present and future aspects of the African energy sector. With contributions from researchers, academics, practioners and high-level policymakers, the book brings a unique flavor to the global energy discussion pertaining to the African continent in the international sphere and is especially relevant to African governments and policy makers, African regional organisations, universities, energy practitioners, international organisations and energy enthusiasts alike.

CONTRIBUTORS



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Dr. Victoria R Nalule



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Dr. Victoria R Nalule

ABOUT THE EDITORIAL TEAM

Dr. Victoria Nalule- Lead Editor

Victoria is a holder of a PhD in International Energy Law and Policy from CEPMLP, University of Dundee. She is currently working on the DFID-funded Extractives Hub project in the UK as a Research Fellow. She is also the founder and Executive Director of the African Energy and Minerals Management Initiative (AEMI).

Victoria offers extensive experience in the Energy and Mining sectors having worked with various institutions; regional and international organizations including assignments for: The Queen Mary University of London (EU Energy Project); The International Energy Charter Secretariat in Belgium; The Columbia Center on Sustainable Investment in New York; the East African Community Secretariat (EAC) in Tanzania ; the University of Dundee in Scotland; the Southern African Development Community Secretariat (SADC) in Botswana; International Arbitration Case Law in New York (editor). She has also worked with both the private and public legal sectors of Uganda including Kakuru & Co. Advocates and the Anti-Corruption Court of Uganda.

She has presented as a speaker and panelist in several forums and conferences discussing topics concerning oil and gas; climate change, renewable energy, mining, energy poverty and access just to mention but a few. Victoria is also working with the African Legal Support Facility (ALSF) as an external reviewer for the African Energy and Mining manuals for the Academy. She has also advised African governments on oil, gas and mining projects including appearing as an expert witness before the Commission of Inquiry into Land matters in Uganda; presenting comments on the South African Petroleum Bill before the country's Policy Makers. Victoria has also recently been appointed to the International Law Association (ILA) Committee on Participation in Global Cultural Heritage Governance.

Victoria is an author with her latest two books being, "Mining and the Law in Africa: Exploring the Social and Environmental Impacts" and another book on "Energy

Poverty and Access Challenges in Sub-Saharan Africa: The Role of Regionalism". She has an upcoming book with Hart publications focused on 'Land Access in the perspective of energy and mining projects in Africa'.

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