

African Energy Commission (AFREC)

WORKSHOP ON THE STRATEGIC FRAMEWORK FOR THE AFRICAN BIOENERGY DATA MANAGEMENT

Bioenergy Consumption Data : What data are needed ?

24 to 26 Avril 2023 | Hotel SARAKAWA





African

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Introduction



AFREC specialized is agency of the AU in charge of developing and harmonizing energy policies, create and continental mange information energy statistics, system and mobilize technical and financial support to MS including capacity building among others.



AFREC headquarters in Algiers, Algeria

Since 2012, AFREC has established the African Energy Information System (AEIS) as a continental energy information management system that aims at collecting energy statistics and facilitate rapid dissemination to AU Member States and all other relevant stakeholders





Modernization of the AEIS







The AEIS Modernization included :

- Excel-based questionnaires
- Data submission mechanism (online data collection system)
- Data dissemination & reporting system (visualization tools)
- Capacity Building for Data collection (energy statistics, tools)
- Revamp AFREC webpage



New questionnaires developed :

- Energy balance.
- Energy Efficiency for all sectors.
- Energy Prices & taxes.
- Power Plant Capacity Installed.
- Tool of data analysis and dissemination (User interface);
 - www.au-afrec.org





AFREC's Methodology on Data Collection, Validation and Dissemination





Overview on Bioenergy Consumption Data





Overview on Bioenergy Consumption Data







Overview on Bioenergy Consumption Data







Challenges



- Lack of bioenergy data consumption (details) in almost African countries, whether those data exist in many of African countries, they are at least older than 10 years survey ;
- Policy makers need to know key information on the Bioenergy sector :

Who consumes what ?







Who sales/trades what ?

Challenges



There is no specific devices to meter/measure consumption



Households in cities use several types of energy for cooking



Lack of <u>human</u> and <u>financial resources</u> in countries, which leads to delays in submissions,

incomplete questionnaires or with errors, frequent revisions from year to year, etc.





AFREC's data collection from member countries is limited to purely energy data (production, processing, consumption).

AFREC does not currently collect data on bioenergy resources, nor on the impact of consumption on health and mortality, nor on employment, nor on sectoral Added Value, nor on other indicators. socio-economic. As much data that it is essential to obtain for a total vision of the bioenergy situation in a country.

AFREC's programme for supporting African MS :

- Support Member states to improve and/or establish National Energy Information system (NEIS);
- Support Member states to establish the Nationally Determined Contributions (NDCs);
- Supporting Mozambique on bioenergy survey : The overall objective of the survey is to assess household and small businesses bioenergy data situation





Thank you Merci شکرا Obrigado

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