



ENERGY POLICY IN AFRICA

Announcement in Brief

Course Type: Workshop

Programme Area: Energy Policy

Date: 22 – 25 July 2019

Duration: 1 Week (4 days)

Language: Bilingual (English & French)

Location: Dakar, Senegal

Fee: \$1,500 (Excluding air travel and subsistence costs)

Scholarships: Yes (IDEP offers a limited number of partial and full scholarships)

Application Deadline: **21 June 2019**

BACKGROUND & RATIONALE

The supply of sustainable, reliable and affordable energy is central to the sustainability and socio-economic transformation of modern societies. It is also widely acknowledged fact that for Africa Energy Security is one of the key underlining pre-conditions for Africa's transformation. Therefore, it is a key success factor to achieve development goals and priorities of Agenda 2063 and Agenda 2030.

Energy Security has direct bearing on several facets of the continent's development goals – among others, from industrialization to capacity and human wellbeing. With an average of 56% of the continent's population with no access to stable energy supply. 633 million people lack access to electricity and 792 million people relied on traditional biomass as their primary energy source for cooking (IEA, 2016).

In addition to lack of access, predicted trends in energy poor population are expected to rise unless radical transformation take place. It is also important to highlight that the large portion of the population without electricity, that are mainly rural, has high rate of poverty, as they are not able to utilize the benefits of modern energy to increase their productive capacity to generate income, and better their standard of living.

One of the main challenges to access to energy is the lack of adequate energy planning capacity. The challenges require the need to increase application of integrated energy planning to determine power generation capacity expansion that contribute to long-term sustainable growth of countries and regions. Such capacity contributes to the broader economy by minimizing the constraints energy places on productive activities and human wellbeing.

The implementation of the sustainable development requires an integrated approach to planning and programming. AUDA-NEPAD's proposed integrated approach is guided by three dimensions: multi sectoral interdependency; integration of spatial dimension to development; and stakeholder coordination. The integrated approach will accelerate energy transition for increased accessibility, improved efficiency and increased share of renewable energy.

AUDA-NEPAD has prioritized its intervention on countries with lowest access to electricity (less than 20% of population with access to electricity), in order to increase their productive capacity to improve their socio-economic goals in accordance with National Development Plans.

AUDA-NEPAD integrated approach calls for a joint engagement with national development planning and energies ministries of Member States.

OBJECTIVES

The objectives of the workshop are two-fold.

1. Policy Dialogue

The policy dialogue will focus on capacity development in the design and development of energy program spearheaded by AUDA-NEPAD that will lead to the design and development of energy access and Security in Africa. The key pillars of dialogue will be as follows:

- i. Energy demand and supply modelling;
- ii. Integrated resource planning;
- iii. Low-carbon energy transition management;

- iv. Renewable energy financing and feasible demand- and supply-side options and are consistent with global goals of sustainability are vital. Energy modelling that will predict the future of energy consumption and supply patterns and trends is a crucial component of energy management that the policy dialogue will bring to bear. It allows for strategy formulation and energy policy recommendations for efficient management, in addition to the effective utilization of energy resources, improvements in energy efficiency and energy reliability, and emissions investment;
- v. Energy efficiency;
- vi. Energy policy and markets.

Meeting the growing energy demand of Africa’s population and ensuring universal access to modern energy services with respect to the environment are the principal goals that we aim to achieve through this policy dialogue.

2. Energy planning training program

AUDA-NEPAD is pooling collective knowledge to implement practical training for the application of integrated energy to development that emphasizes the planning and budgetary processes that shapes development priorities as well as institutional arrangements in collaborative and responsive processes across the development cycle. The overall objective of this interactive learning platform is to decipher challenges and opportunities of energy access and how usable, reliable, sustainable and affordable electrification can be enhancing to the productive capacity and communities.

The objectives of the training are as follows:

- i. Integrate resource planning to determine energy demand and supply for sustainable expansion of power generation capacity to achieve national development goals and targets;
- ii. Design an AUDA-NEPAD and Member States energy compact framework;
- iii. Improve efficiency in the generation, transmission and distribution of energy and sustainable use of energy resources integration;
- iv. Expand power infrastructure and increase capacity for energy generation, especially renewable energy which includes, inter alia, hydro power, geothermal, tidal, solar, wind and biomass energy;
- v. Link energy access to water. The nexus of the two have potential to increase irrigation productivity, food security and human welfare.

EXPECTED DELIVERABLES

The policy dialogue will yield three knowledge products:

- i. Energy planning systems and tools;
- ii. Energy program design based on integrated approach;
- iii. AUDA-NEPAD and Member States energy compact framework.

The expected deliverables of the energy planning training program include:

- i. Modelling, energy planning
 - a. Energy demand: energy demand modelling and analysis, demand side management and energy efficiency, energy demand, technologies, sustainability and

trends;

b. Energy Supply: Energy system configuration (supply chains), energy resource assessments (Technical, economic and market potential), energy supply system modelling and analysis, energy supply technologies, sustainability and trends, decentralized energy systems.

ii. Energy markets and regulation: electricity markets and regulation, oil & gas markets and regulation, biomass regulation, end use regulation, regional energy market integration and regulation;

iii. Energy policy: evolution of energy policies and frameworks, policy instruments for clean energy development, energy security policies, energy sector governance;

iv. Emerging and cross-cutting issues: energy finance, the political economy of energy, socio-economics of energy production and use, energy balance and statistics, pricing externalities, energy and climate nexus, energy and resources nexus, energy, industrialization and urbanization nexus, Emerging technologies (third generation biofuels, digitization, marine energy technology and potential, etc.), regional, energy trade;

v. How to seize the global decarbonisation process to finance renewable energy (RE) and energy efficiency (EE);

vi. Availability of funding, investment;

vii. Green fiscal policy by fostering low-carbon strategies and energy efficiency and increase of the share of renewable local energy sources in energy mix strategies and plans towards a green economy.

- A better understanding of the multi-faceted nature of agricultural development in Africa, and an exposure to a range of alternative approaches to growing the agricultural sector for sustained national development;
- Enhanced capacity to formulate, implement, monitor and evaluate domestic agricultural policy for improved output and productivity, and the attainment of other strategic national development objectives;
- An updated comparative knowledge of agricultural policies and practices from other regions of the world;
- An improved capacity to apply practical tools and methods to the diagnosis and resolution of agricultural development problems; and
- An improvement of the capacity to participate effectively in international agricultural trade negotiations.
- An improve knowledge on climate information (CI) and climate information services (CIS) and their mainstreaming into development and agricultural planning.
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COURSE CONTENT

Among the themes that will be covered in the course and which are expected to contribute to the achievement of its objectives are: (i) Agricultural Policy Process in Africa: Issues and Challenges (*setting agricultural policy as the core of development strategy for Africa; logical framework for planning and implementing agricultural development actions, programmes and projects etc.*); (ii) Tools of Agricultural Policy Analysis (*agricultural policy analysis variables and associated indicators; environmental impact analysis of agricultural projects and programs etc.*) ; and (iii) Introduction to Climate Information and Services (*awareness among various development actors of the value and centrality of CI and CIS to the planning process; and (ii) their capacities to integrate CI and CIS into development planning, policies and programmes, etc.*).

PEDAGOGICAL APPROACH

IDEP's pedagogical approach is built on the assumption that course participants are, in their own right, knowledgeable professionals who bring experiences that could be effectively tapped for the benefit of all trainees. To this end, a highly interactive approach is encouraged between resource persons and trainees and among the trainees themselves. Also, IDEP's capacity development and training activities aim to provide participants with a range of alternative approaches for thinking about and addressing the core, strategic challenges which development planners and economic managers are required to address in their work.

Furthermore, an effort is made to strike a balance between theory and practice. Special attention is, therefore, given to relevant policy and practical issues, and formal lectures are combined with case studies, field visits, group discussions, and an exchange of experiences among participants. At the end of each session, a comprehensive evaluation of the course is carried out to enable IDEP to continuously improve its capacity development and training activities.

Attendees will receive **Certificates of Participation**.

MODE OF DELIVERY

- **Language:** The training will be delivered in English and French (simultaneous interpretation services will be available).
- **Duration:** Four (4) days.
- **Number of participants:** Around thirty (30) participants are expected to participate.
- **Resource persons:** The training will be delivered by a group of resource persons invited by IDEP and AUDA-NEPAD to lead the programme. The resource persons are top-level professionals and experts with a deep knowledge of, and experience in Energy.

METHOD OF APPLICATION AND NOMINATIONS

Applications and nominations are on the basis of a form which all interested participants are expected to complete and send back to IDEP along with their CV and copies of the main pages of their passport. **The forms are available on the IDEP website and can be downloaded for transmission by fax or as e-mail attachment. Alternatively, candidates can complete an online application form which also accessible on the IDEP Website.** Candidates are advised to complete all the relevant sections of the forms as incomplete applications will not be processed.

TARGET PARTICIPANTS

The course is designed to appeal to the needs and interests of senior and middle level public sector policy officials concerned, *inter alia*, with promoting agricultural output, productivity and marketing; designing and managing extension services to farming communities; improving household incomes, reducing rural poverty, and achieving national food security; negotiating and managing inter-state agricultural trade accords; and formulating and monitoring policies with regard to intra-African trade in agricultural commodities. The main target audience for the course is eligible candidates from the public-sector officials and senior officials of para-governmental organisations involved in the agricultural sector.

COURSE TUITION & SCHOLARSHIPS

The cost of this course is USD 1,500 (this fee excludes air travel and subsistence costs). Please note that IDEP offers a limited number of partial and full scholarships to those admitted to participate in its programs. Thus, self-sponsored candidates are also encouraged to apply to this capacity development and training programme. **Please note that priorities are given to self-sponsored applicants.**

CONTACT INFORMATION

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N.B.: IDEP strongly encourages and supports the participation of suitably qualified female officials in its capacity development and training programme.