

## Summary of Works

### **Training Workshop on Energy Statistics, Energy Data Collection and Construction of National Energy Balances for AFREC National Focal Points**

**04-06 July 2017, Douala, Cameroon**

#### **Introduction**

The African Energy Commission (AFREC) in association with the International Energy Agency (IEA) and Ministry of Water Resources and Energy of the Republic of Cameroon organized training and capacity building workshop in energy statistics held in Douala, Cameroon, on 4-6 July 2017.

The workshop was organized under the framework of the Creation of the African Energy Information System and Database (AEIS) and was devoted to the AFREC's National Focal Points in the Member States of the Central, Northern and Western African in addition to energy data experts of RECs, RPPs, ASEA/APUA and OPPA/APPO.

#### **Objective**

This course offers hands-on training in the AFREC methodology and tools for collecting and organizing national-level energy data by different fuels and sectors of the economy. It focuses on creating complete and accurate energy balances through the use of consistent definitions and units, in order to inform national energy policy and enable consistent international reporting.

It covers the following aspects and issues:

- The fundamentals of energy statistics: purpose, definitions, collection, processing and disseminating data
- Annual data: Biomass, Coal, Oil, Gas, Electricity and Heat, Renewable
- From energy statistics to energy balances
- Estimating carbon dioxide emissions
- Harmonization of energy statistics and definitions internationally
- Using data to build energy efficiency indicators
- Energy prices and taxes
- Where and how to access AFREC data

#### **Participants**

- Twenty two (22) AFREC's Focal Points come from the Ministry in charge of Energy of the African countries member states;
- Two (2) Experts of African Organizations (OPPA, ASEA/APUA)

- Four (4) Engineers of the Ministry of Water Resources and Energy of Cameroon.
- IEA Staff Trainer:
  - Mr. Emmanouil CHRISTINAKIS, Statistician, Energy Data Centre.
  - Mr. GIGOUX REMI Statistician, Energy Data Centre.
- AFREC Staff :
  - Mr. Abdoulaye OUEDDO, Consultant Energy Information System and Database ;
  - Mr. NNA NDONG OLUI Nicaise, Administration and finance officer.

Confer list at the page number 4.

### **Training**

In the first session of the workshop, Mr. Abdoulaye OUEDDO, AFREC Consultant Energy Information System and Database, presented Overview of the AFREC's Activities. He presented also at the Session 2, reviewed the state of energy data collection by the national focal points in their respective countries with the aim of assessing the current situation of data collection.

The training provided by IEA lasted three days and covered the energy source(Oil, Coal, Electricity, Natural Gas, carbon dioxide emissions, Renewable Energy and Biomass). During the training, IEA gave the training with the PowerPoint presentation and Practical Exercise.

### **Outcome of the Training**

The expected outcome of the workshops would include:

- In-depth training in energy statistics based on exercises on fuel types.
- Construction of national energy balances.
- Comprehensive understanding of the present situation of energy Information System in Africa and the need for coordination and harmonization of activities of different Institutions.
- Adoption of guidelines for a continental strategy suitable for the development of a comprehensive AEIS to serve the African energy sector and the world energy community.
- Creation of a continental network of Energy Information System providers and users and to bring about all active public and private institutions.
- Elaboration of a joint vision and recommend synergies between all energy Information System providers and to create an advisory forum to be hosted by AFREC.
- Elaboration of durability criteria for the sustainability guidelines for the energy Information System in the African continent.

## Recommendation

1. The Focal Points that there are not the National Energy Information in their countries, recommended AFREC to help them to implement their own system.
2. The Focal Points of Guinea Bissau, Benin, Mauritania, Sierra Leone and Democratic Republic of the Congo request AFREC to send them the AFREC convention and the procedure to ratify it.
3. Focal Points request that AFREC organizes a workshop on GHG emission and energy indicators.

## Conclusion

The training workshop has been a success as it contributed to enhancing the skills of the region's national focal points in the management of energy data collection, construction of the Energy Balance of their respective countries in an efficient and sustainable manner, and enabled to improve their understanding of energy statistics and databases.



Done in Douala, 6 July 2017

## List of Participants

N°	Name	Country
<b>Focal Points of Central Africa Region</b>		
1	<b>Mme. NDOKAP Epse EYA Ignés Carine</b> Chef de la Cellule du Système National d'information Énergétique Ministère de l'Eau et de l'Energie Yaoundé, Cameroun	<b>Cameroun</b>
2	<b>Mr .Willy KIPOY S.MUSALU</b> Coordonnateur SIE-RDC & Point Focal AFREC pour la RDC Commission Nationale de l'Energie Ministère de l'Energie et Ressources Hydrauliques 11ème Niveau Immeuble REGIDESO Boulevard du 30 Juin N°59-63 Gombe - B.P.12599 - Kinshasa 1 Kinshasa, RDC	<b>R.D. Congo</b>
3	<b>Mr.OUSMAN Moussa</b> Directeur de l'Energie Ministère des Mines, de l'Énergie et de l'Hydraulique Bangui, République Centrafricaine	<b>Centrafrique</b>
4	<b>Mr.ADJID MAHAMAT</b> Conseiller du Ministre Ministère de l'Energie et du Pétrole Avenue de Taiwan, rue 40m, Djari BP 816 Njamena, Tchad	<b>Tchad</b>
5	<b>Mr.Armand-Colyn ABESSOLO NKWELE</b> Directeur Central des Statistiques et des Etudes Ministère de l'Eau et de l'Energie Libreville, Gabon	<b>Gabon</b>
6	<b>Mr. TCHIBAMBA CHESTER BERTON</b> Chef de Département Juridique et Economique Agence de Régulation du Secteur de L'Electricité Arsel, Brazzaville, Congo	<b>Congo</b>
<b>Focal Points of Northern Africa Region</b>		
7	<b>Mrs. Afef CHACHI ep. TAYARI</b> Directrice de l'Observatoire National de l'Energie, Direction Générale de l'Energie Tunis, Tunisia	<b>Tunisia</b>
8	<b>Dr.hassan Mohamed Mahmoud Moustafa</b> Managing Director of Systems and IT Cairo, Egypt	<b>Egypt</b>
9	<b>Mr.Abdelmonim CHENTOUF</b> Chef de Service de l'Observation et des Statistiques Ministère de l'Energie, des Mines et du Développement Durable Maroc	<b>Maroc</b>
10	<b>Mr. Mostefa Ismail</b> Sous-Directeur des Statistiques et bilan énergétique Ministère de l'Energie Alger, Algérie	<b>Algeria</b>
<b>Focal Points of Western Africa Region</b>		
11	<b>Ms Pulo TAAL</b> Cadet Administrative Officer 2nd Floor Futurelec Bertil Harding Highway Ministry of Energy Banjul, Gambia	<b>Gambia</b>
12	<b>Mr. Banguali Djiakite</b> Chef de service Statistique et Prévision à l'EDG Ministère d'Etat chargé de l'Energie Conakry, Guinée	<b>Guinea</b>

<b>13</b>	<b>Mr. Julio Antonio Raul</b> Directeur Energie, Coordinateur SIE Ministère de l'Energie et Industrie Bissau, Guinea	<b>Guinea Bissau</b>
<b>14</b>	<b>Mrs. Lovetee N. Fayiah</b> Petroleum Technician, Ministry of Lands, Mines and Energy P.O Box 10-9024 Monrovia, Liberia	<b>Liberia</b>
<b>15</b>	<b>Mrs. MALLA KIARI KIME Falmata</b> Directrice des Statistiques P.I Ministère de l'Energie NIGER, Niamey, Niger	<b>Niger</b>
<b>16</b>	<b>Eng. Ismail Haliru ZARMA</b> Principal Scientific Officer Energy Commission of Nigeria Abuja, Nigeria	<b>Nigeria</b>
<b>17</b>	<b>Mr. Gnassiwé SIMDINATOME</b> Chef Département Infrastructures et Contrôle de qualité Energétique Ministère des Mines et de l'Energie Lomé, Togo	<b>Togo</b>
<b>18</b>	<b>Mrs. Aïchetou Tandia</b> Chef Service Electrification Ministère du Pétrole, de l'Energie et des Mines Nouakchott, Mauritania	<b>Mauritania</b>
<b>19</b>	<b>Dr. KANTE Mansa</b> Chef de Division Règlementation, Documentation et Communication Ministère de l'Energie et de l'Eau Bamako, Mali	<b>Mali</b>
<b>20</b>	<b>Mrs. Angèle ALAPINI</b> Chef Service Statistique, Planification et Economies d'Energie Direction Générale de l'Energie Ministère en Charge de l'Energie Cotonou, Benin	<b>Benin</b>
<b>21</b>	<b>Mr. OUEDRAOGO Boubakar Thierry</b> Ingénieur Energéticien Direction Général de l'Energie Ministère des Mines et de l'Energie Ouagadougou, Burkina Faso	<b>Burkina Faso</b>
<b>22</b>	<b>Mr. FRANCIS Emile Karman</b> ICT Manager Ministry of Energy Sierra Leone	<b>Sierra Leone</b>
<b>IEA's STAFF (2)</b>		
<b>23</b>	<b>Mr. Emmanouil CHRISTINAKIS,</b>	<b>France Paris</b>
<b>24</b>	<b>Mr. GIGOUX REMI</b>	<b>France Paris</b>
<b>List of the REC</b>		
<b>25</b>	<b>Mr. KOUANE Kovadio Célestin</b> Gestionnaire de la Base de Données Association of Power Utilities of Africa. (APUA/ASEA) 06 BP 1444 Abidjan 06 Deux-Plateaux les Vallons 3ème Tranche Lot 1761 Abidjan Cote d'Ivoire	<b>Cote D'Ivoire</b> <b>(APUA/ASEA)</b>
<b>26</b>	<b>Mr. YOUNGANG Thomas</b> Chef de la Coopération Technique et commerciale Organisation des Producteurs de Pétrole Africains (OPPA) BP 1097 Brazzaville 18ème Etage, Tour Nabemba, Brazzaville, Congo	<b>Congo</b> <b>(OPPA)</b>

<b>Participant du Minsitere de l'eau et de l'Energie du cameroun</b>		
<b>27</b>	<b>NDIMBA Grégoire Harmand</b>	<b>Cameroun</b>
<b>28</b>	<b>BANGDANG Yolande Jislheine</b>	<b>Cameroun</b>
<b>29</b>	<b>NYALEU YATCHIN Abel Clovis</b>	<b>Cameroun</b>
<b>30</b>	<b>OBA'A BILO'O Etienne Patrick</b>	<b>Cameroun</b>
<b>AFREC's STAFF (2)</b>		
<b>31</b>	<b>Mr. Abdoulaye OUEDDO</b>	<b>Algeria</b>
<b>32</b>	<b>Mr. Nicaise Nna Ndong</b>	<b>Algeria</b>