



## Summary Report

*(News Focal Points of AFREC)*

### **Regional Training and Capacity Building Session on Energy Statistics, Energy Data Collection and National Energy Balances, 21-23 November 2016, Algiers, Algeria**

#### **Introduction:**

The African Energy Commission (AFREC) in collaboration with the International Energy Agency (IEA), and the Minister of Energy of Algeria, held a training and capacity building workshop on energy Statistics, energy data collection and energy balances, in Algiers, Algeria, at the “Hydra Hotel”, on 21-23 November 2016.

#### **Objectives:**

The main objectives of the workshop include:

- Providing training to national focal points on energy statistics, data collection and energy balances and enhancing their capacity in validating the collected data;
- Reviewing the characteristics of the new AFREC’s Questionnaire on African energy data collection, use and management;
- Capitalising on the experience of IEA and regional institutions on the methods used in the analysis of data, validation techniques of the data collected and the basic structures of energy data.

#### **Attendance:**

The training was held in the framework of the creation of the African Energy Information System (AEIS) and devoted to Algeria, Kenya, Mauritius, Burkina Faso, Congo, Botswana, Sierra Leone, Ethiopia, Lesotho, Egypt, Benin, Malawi, Mali, whereas Cameroon, South Africa, Tanzania, Cape Verde, Sao Tome & Principe and Sudan were absent.

#### **AFREC Trainer and Staff**

The training has been provided by three (3) IEA experts: Ms Beatriz Martinez, Mr. Arnaud PINCET and Ms. Dionysia Lyngopoulou, who were assisted by one consultant from AFREC: Mr. Abdoulaye OUEDDO. The whole program has been supervised and coordinated by AFREC’s Interim Executive Director.

Mr. NNA NDONG Olui Nicaise, Mrs Baya .SOUKI-KIEFFER, Mrs. Gacem Halima and all of AFREC's staff have managed the secretarial services and logistics.

#### **Opening Ceremony:**

The opening ceremony of the workshop started with the statement by Mr. Atef MARZOUK, Interim Executive Director of the African Energy Commission (AFREC), who extended his compliments to the representative of H.E. Noureldeen Boutarfa, Algerian Energy Minister of the People's Democratic Republic of Algeria Mr. Hamid DAHMANI, Director General of the strategy and to the representative of the IEA as well as all the participants.

Mr. Atef MARZOUK, Interim Executive Director of the African Energy Commission (AFREC) reiterated the importance of the training workshop to the new focal points to be in the same level of information with the other national focal points. Mr. MARZOUK, highlighted some issues concerning the energy poverty and renewable energy resources in the continent and the importance to exploit the huge renewable energy potential in the continent to increase the percentage of the energy access in the African continent.

Then, Ms. Beatriz Martinez, representative of IEA, thanked AFREC for its invaluable work and highlighted the important role of the energy statistics to develop sound energy policies. Ms. stressed on the importance of harmonization and cooperation at national and international level.

Mr. Hamid DAHMANI, Director General of the strategy the representative of H.E. Nouredine BOUTARFA, Minister of Energy of the People's Democratic Republic of Algeria opened the workshop. Mr. DAHMANI, highlighted the importance of the energy statistics for development of African energy resources and appreciated the collaboration with AFREC in the implementation of the AFREC energy programme.

Following the ceremony, a group photo has been taken.

## **The Training**

### **Session 1**

Mr. Atef MARZOUK, Interim Executive Director of AFREC, presented activities undertaken in 2012 to 2016.

### **Session 2**

Mr. Abdoulaye OUEDDO, Consultant IT in information System presented the overview of the state of energy data collection and follow the national focal points presentations "the current situation of the Data collection".

The training provided by IEA lasted three days and covered the following issues:

#### **Session 3:**

- Introduction to national and international energy statistics.  
Objective: understanding the importance of energy statistics, how and why energy data collection. Statistics principles.
- Oil statistics through the analysis of AFREC's revised questionnaire on oil  
Objective: understanding the structure, flows and products addressed by the questionnaire
- Communication and hands-on exercise.

#### **Session 4 (continuation):**

- Oil statistics through the analysis of AFREC's revised questionnaire on oil  
Objective: understanding the structure, flows and products addressed by the questionnaire
- Communication and hands-on exercise.

**Session 5:**

- Coal statistics through the analysis of AFREC's revised questionnaire on coal  
Objective: understanding the structure, flows and products addressed by the questionnaire
- Communication.

**Session 6:**

- Natural gas through the study of AFREC's revised questionnaire on natural gas and AFREC's questionnaire on natural gas (IEA).  
Objective: understanding the structure, flows and products addressed by the questionnaire  
Communication and hands-on exercise

**Session 7:**

- Renewable energy statistics through the analysis of AFREC's revised questionnaire on renewable energy  
Objective: understanding the structure, flows and products addressed by the questionnaire
- Communication and hands-on exercise with focus on biomass

**Session 8:**

- Electricity statistics through the analysis of AFREC's revised questionnaire on electricity  
Objective: understanding the structure, flows and products addressed by the questionnaire
- Communication and hands-on exercise

**Session 9:**

- Development of energy balances: Why do we need energy balance? Principles used to develop energy balance. How to develop an energy balance on the basis of fuel questionnaires.  
Objective: understanding the importance of developing an energy balance.
- Communication and hands-on exercise

The rest of sessions was followed by the presentation on:

- Biofuels for bio-economy, presented by Mr. Ibrahim DJILANI, Biotechnologist with a patent in the production and use of first generation biofuels;

**Conclusion:**

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

Training certificates have been distributed at the closing of the workshop.

**The Training Workshops in Energy Statistics, Energy Data Collection and  
Construction of National Energy  
Balances for AFREC National Focal Points  
Algiers, Algeria  
21 - 23 November, 2016**

<b>LIST OF NEW FOCAL POINTS OF ENERGY STATISTICS DATABASE</b>				
<b>N°</b>	<b>Nom et Prénom</b>	<b>Country</b>	<b>Tél Fixe &amp; Mobile</b>	<b>Email</b>
<b>CENTRAL AFRICA REGION</b>				
	<b>Mr. OPANGAULT Emile</b> Directeur Général de l'Agence de Régulation du Secteur de l'Electricité, Brazzaville, Congo	<b>Congo</b>	Tél. : +242 05 551 93 13	<a href="mailto:emileopangault@yahoo.fr">emileopangault@yahoo.fr</a>
<b>WEST AFRICA REGION</b>				
	<b>Mr. OUEDRAOGO Boubakar Thierry,</b> Ingénieur Energéticien , Direction Générale de l'Energie Ministère des Mines et de l'Energie 01 BP 644 Ouagadougou 01, Burkina Faso	<b>Burkina Faso</b>	Cel: (00226) 78 83 82 15 Fax : +2232 44 416-25	<a href="mailto:ouedraogo_thierry2000@yahoo.fr">ouedraogo_thierry2000@yahoo.fr</a>
	<b>Dr. Mansa KANTE,</b> Ingénieur Energéticien, Chef de Division Réglementation, Documentation et Communication à la Direction Nationale de l'Energie (DNE)". Bamako - Mali	<b>Mali</b>	Off : +(223) 63 11 19 78 ou 7617 36 57	<a href="mailto:mansakante@yahoo.com">mansakante@yahoo.com</a> <a href="mailto:directionenergie@energie.gouv.ml">directionenergie@energie.gouv.ml</a>
	<b>Mr. EMILE KARMA Francis</b> ICT Manager Ministry of Energy Freetown, Sierra Leone	<b>Sierra Leone</b>	Mob.:+232 78 71 23 33 +232 77 84 72 18	<a href="mailto:efrancis@energy.gov.sl">efrancis@energy.gov.sl</a> <a href="mailto:rokarman77@gmail.com">rokarman77@gmail.com</a>
	<b>Madame Angèle ALAPINI</b> Chef Service statistique, planification et Économies d'énergie Direction Générale de l'Energie Ministère en charge de l'Energie	<b>Benin</b>	Tél: (229)97 98 83 07	<a href="mailto:iyao.bay032011@hotmail.fr">iyao.bay032011@hotmail.fr</a>
<b>NORTHERN AFRICA REGION</b>				
	<b>Dr.hassan Mohamed Mahmoud Moustafa</b> Managing Director of Systems and IT Egyptian Electricity Holding Company Ministry of Electricity and Renewable Energy,Cairo, Egypt	<b>Egypt</b>	Mob.:+201001 551721	<a href="mailto:Drhmahmoud@moe.gov.eg">Drhmahmoud@moe.gov.eg</a> <a href="mailto:hassan@moe.gov.eg">hassan@moe.gov.eg</a>
	<b>Mr. Mostefa Ismail</b> Sous-Directeur des Statistiques et bilan énergétique Tour A, Val d'Hydra, BP 229, Ben Aknoun, Alger, Algérie. Code postal: 16028 Ministère de l'énergie, Alger, Algerie	<b>Algeria</b>	Mob +213 662 454 600	<a href="mailto:Ismail.Mostefa@mem.energy.gov">Ismail.Mostefa@mem.energy.gov</a>
<b>EAST AFRICA REGION</b>				
	<b>Mr. Ebisa Regassa</b> Junior Energy statistician Ministry of Water, Irrigation and Electricity Addis Ababa, Ethiopia	<b>Ethiopia</b>		<a href="mailto:ebisa.ragsa36@gmail.com">ebisa.ragsa36@gmail.com</a>
	<b>Mr. Jacob Chepkwony</b> Mechanical Engineer Ministry of Energy & Petroleum Nairobi, Kenya	<b>Kenya</b>	Cell.:+254 722 945 714 Fax.: +254 20 240 910	<a href="mailto:jkckios@yahoo.com">jkckios@yahoo.com</a> , <a href="mailto:jkckios@gmail.com">jkckios@gmail.com</a>

<b>SOUTHERN AFRICA REGION</b>				
	<b>Mr. Matemba Chris Andrew</b> Principal Statistician Ministry of Natural Resources, energy and Mining Lilongwe, Malawi	<b>Malawi</b>	Tél.:+265 178 488 Mob.:+265 888 288 449 Fax.: +265 788 165	<a href="mailto:matembachris73@gmail.com">matembachris73@gmail.com</a>
	<b>Mr. Liketso Victor Ntho,</b> Assistant Economic Planner Assistant Statistician, Ministry of Energy,	<b>Lesotho</b>	+266 6205174	<a href="mailto:Liketso_ntho@yahoo.com">Liketso_ntho@yahoo.com</a>
	<b>Mr. Prakash RAMPARSAD,</b> Senior Statistical Officer Statistics Mauritius LIC Center, John Kennedy Street, Port Louis, MAURITIUS	<b>Mauritius</b>		<a href="mailto:pramparsad@govmu.org">pramparsad@govmu.org</a> <a href="mailto:pramparsad@govmu.org">pramparsad@govmu.org</a>
	<b>Ms Anne Kenamile Leipego</b> Principal Energy Officer Department of Energy Ministry of Mineral Resource, Green Technology and Energy Security, Gaborone, Botswana	<b>Botswana</b>	Mob.: +267 74338602 +267 7305824 Fax.: +267 391 4201	<a href="mailto:aleipego@gov.bw">aleipego@gov.bw</a>
<b>IEA/TRAINERS</b>				
	<b>Ms. Beatriz Martinez</b> Agence Internationale de l'Energie International Energy Agency (AIE/IEA) Paris, France	<b>France</b>		<a href="mailto:Beatriz.MARTINEZ@iea.org">Beatriz.MARTINEZ@iea.org</a>
	<b>Ms. Dionysia Lyngopoulou</b> Agence Internationale de l'Energie (AIE/IEA) Paris, France	<b>France</b>		<a href="mailto:Celine.ROUQUETTE@iea.org">Celine.ROUQUETTE@iea.org</a>
	<b>Mr. Arnaud Pincet</b> Agence Internationale de l'Energie (AIE/IEA) Paris, France	<b>France</b>		<a href="mailto:Celine.ROUQUETTE@iea.org">Celine.ROUQUETTE@iea.org</a>
<b>AFREC's STAFF</b>				
	<b>Mr. Atef MARZOUK</b> Interim Executive Director African Energy Commission AFREC	<b>Algeria</b>	Tel: +213 21 69 48 68 Mob: +213 696 74 31 12 Fax : +213 21 69 20 83	<a href="mailto:MarzoukA@africa-union.org">MarzoukA@africa-union.org</a>
	<b>Mr. Abdoulaye OUEDDO</b> Consulatnt IT/IS African Energy Commission AFREC	<b>Algeria</b>	Mob.:+213 699 25 18 09 Fax : +213 21 69 20 83	<a href="mailto:oueddo@africa-union.org">oueddo@africa-union.org</a> <a href="mailto:oueddo_abdou@yahoo.fr">oueddo_abdou@yahoo.fr</a>
	<b>Mr. NNA NDONG OLUI Nicaise</b> Finance and Administration Officer African Energy Commission AFREC	<b>Algeria</b>	Mobile:+213 558 07 03 89 Fax : +213 21 69 20 83	<a href="mailto:Oluin@africa-union.org">Oluin@africa-union.org</a> <a href="mailto:nnandong@gmail.com">nnandong@gmail.com</a>
	<b>Mme. KIEFFER née SOUKI Baya</b> Secretary of the Executive Director African Energy Commission AFREC	<b>Algeria</b>	Tel: +213 21 69 48 68 Mobile : +213 772 52 50 12 Fax : +213 21 69 20 83	<a href="mailto:bsouki@hotmail.com">bsouki@hotmail.com</a>
	<b>Mme Gacem Halima</b> Secretary African Energy Commission AFREC	<b>Algeria</b>		<a href="mailto:halima@afrec-energy.org">halima@afrec-energy.org</a>
	<b>Mr. Akrou Karim</b> Trainee African Energy Commission AFREC	<b>Algeria</b>		<a href="mailto:karim4akrou@gmail.com">karim4akrou@gmail.com</a> ]

**The Training Workshops in Energy Statistics,  
Energy Data Collection and Construction of National Energy  
Balances for AFREC National Focal Points**

**Algiers, Algeria  
21 - 23 November, 2016**

Schedule	Activities
<b>1<sup>st</sup> Day: Monday 21 November</b>	
08:00-09:00	<b>REGISTRATION</b>
09:00-09:30	<p><b>Opening Remarks:</b></p> <ul style="list-style-type: none"> <li>• Representative of AFREC</li> <li>• Representative of the IEA</li> <li>• Representative of the Minister of Energy of Algeria</li> <li>• Group Photo</li> </ul>
09:30-11:00	<p><b>Session 1: Overview of the AFREC's Activities</b> (Objective: Presentation of Activities in 2012/2016)</p> <ul style="list-style-type: none"> <li>• Presentation Mr. Atef Marzouk</li> <li>• Discussion</li> </ul>
11:00-11:15	<b>COFFEE BREAK</b>
11:15-13:00	<p><b>Session 2: Overview of the State of Energy Data Collection and Country Presentations</b> (Objective: Evaluation of the current situation of the collection of the data by the national focal points)</p> <ul style="list-style-type: none"> <li>• <b>Introduction and summary:</b> Mr. Abdoulaye OUEDDO, AFREC</li> <li>• <b>Countries Presentations</b></li> <li>• Discussion</li> </ul>
13:00-14:00	<b>LUNCH</b>
14:00-14:30	<p><b>Session 3: Training</b> <b>Course I: Introduction to National and International Energy Statistics (IEA)</b> (Objective: understand the importance of energy statistics, why and how collecting energy statistics. Main statistics principles)</p> <ul style="list-style-type: none"> <li>• Presentation and practical exercises</li> </ul>
14:30-15:30	<p><b>Course II: Oil Statistics through the analysis of the revised AFREC oil questionnaire (IEA)</b> (Objective: understand the structure, flows and products covered by the questionnaire)</p> <ul style="list-style-type: none"> <li>• Presentation and practical exercises</li> </ul>
15:30-15:45	<b>COFFEE BREAK</b>
15:45-17:00	<p><b>Session 4: Training (Continued)</b> <b>Course III: Continued Oil Statistics through the study of the revised AFREC oil questionnaire (IEA)</b> (Objective: understanding the structure, flow and products covered by the questionnaire)</p> <ul style="list-style-type: none"> <li>• Presentation and practical exercises</li> </ul>

Schedule	Activities
<b>2nd Day : Tuesday 22 November</b>	
09:00-10:45	<p><b>Session 5: Training (Continued)</b>  <b>Course IV: Coal Statistics</b> through the study of the revised AFREC coal questionnaire (IEA) (Objective: understanding the structure, flow and products covered by the questionnaire)</p> <ul style="list-style-type: none"> <li>• Presentation and practical exercises</li> </ul>
10:45-11:00	<b>COFFEE BREAK</b>
11:00-13:00	<p><b>Session 6: Training (Continued)</b>  <b>Course V: Natural gas and coal statistics</b> through the study of the revised AFREC natural gas and coal questionnaire (IEA) (Objective: understand the structure, flow and products covered by the questionnaires)</p> <ul style="list-style-type: none"> <li>• Presentation and practical exercises</li> </ul>
13:00-14:00	<b>LUNCH</b>
14:00-15:30	<p><b>Session 7: Training (Continued)</b>  <b>Course VI: Renewables statistics</b> through the analysis of the revised AFREC renewables questionnaire (IEA) (Objective: understand the structure, flow and products covered by the questionnaire)</p> <ul style="list-style-type: none"> <li>• Presentation and practical exercises with an emphasis on biomass</li> </ul>
15:30-15:45	<b>COFFEE BREAK</b>
15:45-17:00	<p><b>Session 8: Training (Continued)</b>  <b>Course VII: Electricity Statistics</b> through the analysis of the revised AFREC electricity questionnaire (IEA) (Objective: understand the structure, flow and products covered by the questionnaire)</p> <ul style="list-style-type: none"> <li>• Presentation and practical exercises</li> </ul>
<b>3rd Day : Wednesday 23 November</b>	
09:00-11:00	<p><b>Session 9: Training (Continued)</b>  <b>Course VIII: Building energy balances: Why needs for energy balance? (IEA).</b> Main principles used to develop an energy balance. How to develop the energy balance from fuel questionnaires. (Objective: understand the importance of energy balance and develop an energy balance.)</p> <ul style="list-style-type: none"> <li>• Presentation and practical exercises</li> </ul>
11:00-11:15	<b>COFFEE BREAK</b>
11:15-13:00	<p><b>Session 10: Closing</b></p> <ul style="list-style-type: none"> <li>• Presentation of the Summary Report of the Training</li> <li>• Distribution of Training Certificates</li> <li>• Closing Remarks</li> </ul>
13:00-14:00	<b>LUNCH</b>
<b>Thursday: 24 September</b>	
<b>Free Day, Departure</b>	

Photo



