



Commission de l'Union Africaine
African Union Commission
مفوضية الإتحاد الإفريقي

News letter

AFREC 2013



Commission Africaine de l'Energie
The African Energy Commission
اللجنة الأفريقية للطاقة



Brazaville, Congo,
09-12 September 2013



Johannesburg, South Africa
07-10 October 2013



Accra, Ghana,
04-07 November 2013



Addis-Ababa, Ethiopia,
02-05 December 2013

AFREC's Regional Training and Capacity Building Sessions on Datta Collection and Energy Balances



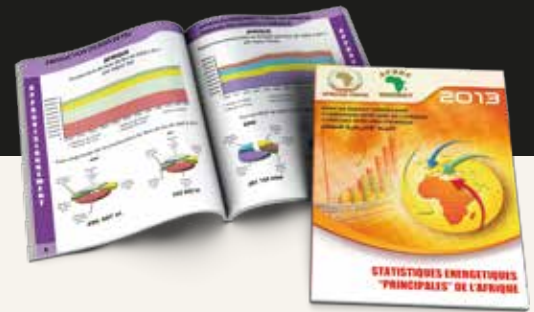
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Resolution on the “African Energy Information System & Database” Project (AEIS)

We, the Ministers in-Charge of Energy of Africa,

PURSUANT TO:

1. The Convention of the African Energy Commission which instructs the establishment of the African Energy Information System and Database;
2. The recommendations of the 1st African Seminar for the Establishment of an African Energy Information System and Database which was held in Algiers, Algeria, on 23-24 April 2003;
3. The recommendations of the 2nd African Seminar for the Establishment of the African Energy Information System and Database which was held in Algiers, Algeria, on 12-15 May 2005;
4. The Algerian Declaration adopted by the Meeting of the African Ministers of Energy which took place in Algiers, Algeria, on 28 February 2008 for the launching of the African Energy Commission;
5. The recommendations of the 3rd African Seminar for the Establishment of the African Energy Information System and Database which was held in Cairo, Egypt, on 14-16 November 2011.

AWARE OF:

1. The existence of information gap, uncertainty and deficiency in the Energy Information Systems and Databases in Africa,
2. The growing challenges in formulating effective energy policies in the African countries due to lack of reliable energy data and critical information;
3. The need to benefit from advances achieved by international database providers and their experience and expertise in Information Technology for supporting energy policy making and planning activities;
4. The possibility of making strong partnerships among African countries, Regional Economic Communities, Specialized Institutions and International Organizations for long-term cooperation in the development of a viable African Energy Database and Information System;
5. The converging missions assigned to all ministries in-charge of energy in Africa, Regional Economic Communities, Specialized Institutions and International energy organization with the objective of supporting the energy development in Africa.



CONSIDERING:

1. The need of the African Member States to fulfill their respective mandates in support of Africa's efforts in energy policy development and regional integration in a concerted manner;
2. The AU strategy for socioeconomic development of Africa is based on the identification of mechanisms for partnership in the energy sector as the ground to social and economic improvement of the peoples;
3. The Energy Information System and Database in Africa aims at becoming a tool for coordination of the African national energy databases with objective to foster regional and continental energy development and to support the efforts of decision-making, thus, achieving successful culmination of the energy policy and integration processes.

RESOLVE TO:

ENDORSE the work achieved by the AUC in putting together the first ever African Energy Information System and Database and make it available for use by the African Member States, RECs and specialized institutions;

DECIDE that the African Energy Database shall become a base for cooperation among all associated parties with a given responsibility to ensure the coordination, harmonization, protection, preservation and development of the African energy data and information bases;

AFFIRM our commitment to support the development, functioning and operation of the African Energy Information System and Database by committing our institutions to full and substantive involvement in the implementation and operation of this Database;

INVITE all regional and international energy information system and database providers to support the Energy Information System and Database in African in order to ensure its proper functioning and development;

URGE the African Union Member States to support the development of the African Energy Information System and Database, establish their individual national energy databases and provide all kinds of assistance, especially providing reliable energy data and related information, timely and consistently, and preserve the spirit of partnerships for the implementation of this project;

ALSO URGE the African Union Commission (AUC) to extend its utmost financial and political support for the successful implementation and operation of the African Energy Information System and Database;

REQUEST the AUC, the African Development Bank, the regional development banks, international organizations, development donors and others to mobilize the necessary financial and human resources for the implementation of this resolution

Done in Addis Ababa, Ethiopia, on the 16th of November 2012



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FIRST WORKSHOP 2013 : Summary of Works

Regional Training and Capacity Building Session on
Data Collection and Energy Balances,
09 au 12 September 2013 , Brazzaville, Congo.



Introduction:

The African Energy Commission (AFREC) in collaboration with the Congolese Ministry of Energy and Water resources and the International Energy Agency (IEA), held a training and capacity building workshop on data collection and energy balances in Brazzaville, Congo, at « Saphir » Hotel, on 09 -12 September 2013.

This regional workshop for Central Africa (Brazzaville) is the first of a series of other planned regional workshops :

- Southern Africa Region (Johannesburg),
- West (Accra) and North Africa Regions (Tunisia and Algeria)
- East (Kampala) and North Africa Region (Libya and Egypt).

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.



Participants:

The training was held in the framework of the creation of the African Energy Information System (AEIS) and devoted to AFREC's National Focal Points of 8 Central African countries.

National Focal Points:

- Cameroon, Central African Republic, Congo, Gabon, Equatorial Guinea, DRC, and Chad attended, whereas Sao Tomé & Principe did not.

ECONOTEC :

- EIS-Africa Coordinator.



AFREC Trainer and Staff

The training has been provided by two IEA experts: Mr. GIANLUCA TONOLO and RYSZARD POSPIECH, who were assisted by two consultants from AFREC: Mr. Abdoulaye OUEDDO and Mr. Gilbert NZOBADILA. The whole programme has been supervised and coordinated by AFREC's staff





Opening Ceremony:

The opening ceremony was marked by the statement made by Mr. NZOBADILA Gilbert, representative of AFREC's Executive Director, who thanked the Chief of Staff of the Congolese Ministry of Energy and Water as well as the Honourable Minister.



He was followed by Mr. RYSZARD POSPIECH from IEA, who stressed the importance of such a training organized by AFREC, and promised continuous support of his agency in this respect. The whole program was supervised by Ms BAYA KIEFFER-SOUKI, Assistant of the Executive Director of AFREC.



Then, the EIS-Africa Project Coordinator, Mr. Philippe CONSTANT, underscored the importance of EIS and commended AFREC for initiating regional training sessions and establishing an Energy information system and database.

The Chief of Staff, representing the Minister of energy and Water of the Republic of Congo, concluded the ceremony with opening remarks on the activities of his Ministry in the field of Energy, data collection and creation of a database in his country.

Following the ceremony, a group photo was taken.

Workshop: The Training

At the Beginning of **Session 1**, Mr Abdoulaye OUEDDO, AFREC's Consultant, presented the activities that followed the 2012 regional training workshops, and summed up the 2013 activities as well as those planned for 2014.



Session 2 enabled to review the state of energy data collection in each country represented by their national focal points in view of assessing the current situation of data collection.

The three-day training provided by IEA covered the following topics:

Session 3:

- Introduction to national and international energy statistics.

Objective: understanding the importance of energy statistics -how and why energy data collection, and 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

- Presentation and hands-on exercises

Session 4

- Oil statistics through the analysis of AFREC's revised questionnaire on oil

Objective: understanding the structure, flows and products addressed by the questionnaire

- Presentation 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



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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
Presentation 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

- Presentation 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

- Presentation and hands-on exercise

- 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.

- Presentation and hands-on exercise

The third day of the training was devoted to:

- Presentation of data entry forms through the Website;

- Handling of data and graphs in the data Portal.

Conclusion

The training workshop has been a success inasmuch as it contributed to enhancing the skills of Central Africa'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.





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Training certificates have been distributed at the closing of the workshop





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SECOND WORKSHOP 2013 : Summary of Works



2nd Regional Training Workshop in Energy Statistics, Energy Data Collection and Construction of Energy Balances for National Focal Points of the Southern African Region and Indian Ocean Community

Johannesburg, South Africa: 07-10 October 2013

Introduction:

The African Energy Commission (AFREC) in association with the Ministry of Energy of South Africa and the International Energy Agency (IEA) organized training workshop on energy statistics, energy databases and energy balances for the benefit of the AFREC's National Focal Points in Johannesburg, South Africa, on 07-10 October 2013. It took place at the Indaba Hotel in the Sandton area of Johannesburg.



The regional workshop was the second in a series which was preceded by a workshop for Central African Region held in Brazzaville, Congo, on 09-12 September 2013 and will be followed by a workshop for the West African Region to be held in Accra, Ghana, during the first week of November 2013 and another workshop for the Eastern African Region and Northern African Region to be held by the begin of December in Kampala, Uganda.

Objectives:

The main objectives of the workshop were as follows:

- Provide training to the National Focal Points in energy statistic, data collection, energy balances and improve their capacities in validating the collected data;
- Investigate the features of the new AFREC's Questionnaire for Energy Data Collection in Africa and building competencies of the National Focal Points in its use and management; and
- Capitalize on the knowledge base acquired by the IEA and other regional institutions in energy statistics, energy data collection and analysis including formation of energy balances, validation techniques of the collected data and structures and layouts of energy databases.





Participants

The training 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 countries of the Southern African Region and Indian Ocean Community.

National Focal Points from South Africa, Angola, Comoros, Mauritius, Madagascar, Mozambique, Namibia, Seychelles and Swaziland attended while the Focal Point of the Botswana, Malawi, Lesotho, Zambia and Zimbabwe did not.

Training Staff:

The training was led by two experts from the IEA: Ms. Agnes SIN and Mr. Emmanouil CHRISTINAKIS assisted by two Consultants from AFREC: Mr. Abdoulaye OUEDDO and NZOBADILA Gilbert. The whole program was supervised by Ms BAYA KEIFFER, Assistant of the Executive Director of AFREC.



Training Staff:

The opening ceremony was addressed by Mr. Helton Xavier, Focal point of Mozambique, on behalf of the Executive Director of AFREC, during which he thanked Mr. Bongani MOTSA from the Department of Energy, Energy Planning Division, as a representative of the Minister of Energy, South Africa. He was followed by Ms. Agnes SIN of the IEA who stressed on the strong interest of the IEA and support to create a successful and viable energy database and African Information System. She pledged the continued support of his agency in this regard.

The last item on the agenda was a group photo.

The Workshop

After the opening ceremony, the workshop started by Session 1 in which Mr. Abdoulaye OUEDDO Consul-

tant of AFREC, presented activities undertaken in 2012 and Summary of Activities in 2013/2014.

The next session overviewed the State of Energy Data Collection in each country in the region presented by the National Focal Points with objective to evaluate the current situation of the collection of the data.

The training provided by IEA started in the afternoon of the first day and continued to the first session of the third day and covered the following topics:

- Introduction to National and International Energy Statistics.
- Oil Statistics through the Revised AFREC Questionnaire: Oil Analysis.
- Coal Statistics through the study of the revised AFREC coal questionnaire
- Natural Gas and Statistics of Coal through the Revised AFREC Questionnaire.
- Statistics of Renewable Energy through the Analysis through the Revised AFREC Questionnaire;
- Statistics of Electricity through the Revised AFREC Questionnaire on electricity.
- Preparation of Energy Balances: Why Establish an Energy Balance?



The rest of the sessions in the third day presented by Mr. Abdoulaye OUEDDO, covered the:

- AFREC Database.
- The AFREC web Portal

The Outcome:

The training workshop was successful in the sense that it improved the competence of the National Focal Points in the region to collect energy data of their respective countries in a good and sustained manner and will also help them to expand their understanding of energy statistics, databases and energy balances. The training revolved between presentations and exercises in building energy balances for oil, gas, electricity, coal and biomass.



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Training certificates have been distributed at the closing of the workshop





Third Workshop: Summary of Works

(West and North Africa Regions)

Regional Training and Capacity Building Session on Data Collection and Energy Balances,

04 - 07 November 2013, Accra, Ghana.

Introduction:

The African Energy Commission (AFREC) in collaboration with the Ministry of Energy and Petroleum of the Republic of Ghana and the International Energy Agency (IEA), held a training and capacity building workshop on data collection and energy balances in Accra, Ghana, at « African Royal Beach » Hotel, on 04 -06 November 2013.

After the regional workshops for Central Africa (Brazzaville) and Southern Africa (Johannesburg), this is the third for the Western and Northern regions (Tunisia and Algeria). Another 2013 workshop for East and North Africa (Libya and Egypt) is planned for December.



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 AFREC National Focal Points -16 countries from West Africa and 2 from North.

National Focal Points :

The Gambia, Guinea, Niger, Mali, Guinea Bissau, Mauritania, Tunisia, Togo, Nigeria, Ghana, Liberia, Benin and Senegal attended, whereas Burkina Faso, Côte d'Ivoire, Cape Verde, Sierra Leone and Algeria did not.

AFREC Trainer and Staff

The training was provided by two IEA experts: Mr Gustav Boëthius and Mme Ana Luisa São Marcos, who were assisted by one consultant from AFREC: Mr. Abdoulaye OUEDDO. The whole programme was supervised and coordinated by Mme BAYA SOUKI-KIEFFER, Assistant-Executive Director





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Opening Ceremony:

The opening ceremony was marked by the following:

- Statement by Dr. Hussein ELHAG, AFREC Executive Director, who thanked the Director of Special Affairs, Representative of the Minister of energy and Petroleum of Ghana, as well as the IEA experts and the focal points,
- Statement by Mme Ana Luisa São Marcos from IEA, stressed the importance of creating an efficient and viable database for the African Energy Information System. She promised continuous support from her Agency in this respect,
- The representative of the Minister of Energy and Petroleum highlighted the activities of his Ministry in the field of Energy, data collection and creation of a database in his country.

Following the ceremony, a group photo was taken.



Session 3:

- Introduction to national and international energy statistics.

Objective 1: 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 2: understanding the structure, flows and products addressed by the questionnaire. Presentation and hands-on exercise.

Session 4 :

- Oil statistics through the analysis of AFREC's revised questionnaire on oil

Objective: understanding the structure, flows and products addressed by the questionnaire
- Presentation 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

Workshop : The Training

At the Beginning of **Session 1**, Mr Abdoulaye OUEDDO, AFREC's Consultant, presented the activities that followed the 2012 regional training workshops, and summed up the 2013 activities as well as those planned for 2014

Session 2 enabled to review the state of energy data collection in each country represented by their national focal points in view of assessing the current situation of data.

The three-day training provided by IEA covered the following topics:





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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
Presentation 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.

- Presentation 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

- Presentation 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.

- Presentation and hands-on exercise



Objective: understanding the importance of developing an energy balance.

- Presentation and hands-on exercise

This was followed by presentations on:

- The new IEA Portal, by Mme Ana Luisa São Marcos ;
- The database and data entry forms through AFREC's website, by Mr. Abdoulaye OUEDDO.

Recommendations :

The workshop recommends that AFREC :

- Plans a training workshop on the use of the portal and the database ;
- Provides support to national energy information systems.

Conclusion

The training workshop has been a success inasmuch as it contributed to enhancing the skills of Central Africa'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.





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Training certificates have been distributed at the closing of the workshop





Fourth Workshop: Summary of Works

(East and North African Regions)

Regional Training and Capacity Building Session on Data Collection and Energy Balances,

02-05 December 2013, Addis Ababa, Ethiopia

Introduction:

The African Energy Commission (AFREC) in collaboration with the African Union Commission (AUC), the International Energy Agency (IEA) and the Ministry of Water and Energy, held a training and capacity building workshop on data collection and energy balances, in Addis Ababa, Ethiopia, at Sarem International hotel, on 02-05 December 2013.

Following the regional workshops for Central Africa (Brazzaville), Southern Africa (Johannesburg) and West Africa (Tunisia and Algeria) held in Accra, Ghana, this one is the last one planned for East and North Africa (Libya and Egypt).



- 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 and the basic structures of energy data.



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;

Attendance:

The training was held in the framework of the creation of the African Energy Information System (AEIS) and devoted to AFREC National Focal Points -7 East-African countries, 2 from North Africa and 1 from West Africa.

National Focal Points of:

- Burundi, Djibouti, Ethiopia, Somalia, Tanzania, Rwanda, Uganda, Egypt, Libya and Cote d'Ivoire attended, whereas Sudan, South Sudan and Kenya did not.



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Trainer and AFREC Staff

The training has been provided by two IEA experts: Mr Pierre Henri BOILEAU and Mr Georgios ZAZIAS, who were assisted by one consultant from AFREC: Mr Abdoulaye. The whole programme has been supervised and coordinated by AFREC's Executive Director, Dr. Hussein ELHAG and his assistant, Mrs Baya SOUKI-KIEFFER.

Opening Ceremony:

The opening ceremony was marked by statements delivered by:

- Dr. Hussein ELHAG, Executive Director of the African Energy Commission (AFREC), who extended his thanks to the Energy Expert, Representative of the Ethiopian Ministry of Water and Energy, the IEA experts as well as all the participating focal points.
- Mr. Pierre Henri BOILEAU, representative of IEA who stressed on the importance of creating an efficient and viable database for the African Energy Information System. He promised continuous support from his Agency in this respect.
- Mr. Dereje derbew Beyene, Representative of the Ministry of Water and Energy who highlighted his department's activities in the field of energy and data collection, and thanked all the participants.

Following the ceremony, a group photo has been taken.

Workshop: The Training

In the first session of the workshop, Dr. Hussein ELHAG, AFREC Executive Director, gave an insight into the activities undertaken by AFREC for the creation of AEIS since the 2012 regional training workshops and provided a summary of the 2013/2014 activities.

Session 2 reviewed the state of play 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 following areas:





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Session 3:

- Introduction to national and international energy statistics.

Objective 1: understanding the importance of energy statistics -how and why energy data collection, and statistics principles.

- Oil statistics through the analysis of AFREC's revised questionnaire on oil

Objective 2: understanding the structure, flows and products addressed by the questionnaire

- Communication and hands-on exercise.



Session 4:

- 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





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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



Other communications followed on:

- "Enhancing cooperation among countries of the Nile basin in the field of energy", by Pr. Hamid E Ali, Consultant to the African Development Bank;
- "The new IEA data portal" by Mr. Pierre Henri BOILEAU ;
- "Database and data entry forms through AFREC web site and data portal", by Mr. Abdoulaye OUEDDO.





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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.





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Training certificates have been distributed at the closing of the workshop And trophies to the focal points of AFREC

