



*ECOWAS Regional Centre for
Renewable Energy and Energy Efficiency*

*Centre Régional pour les Energies Renouvelables
et l'Efficacité Energétique de la CEDEAO*

*Centro Regional para Energias Renováveis e
Eficiência Energética da CEDEAO*

ECREEE Regional Workshop on the ECOWAS Solar Energy Initiative (ESEI)

18 - 21 October 2010

Hotel Meridien President, Dakar, Senegal

Conference Website: <http://esei-forum.ecreee.org>

Conference Programme

The ECOWAS Regional Centre for Renewable Energy and Energy Efficiency (ECREEE) has the pleasure to inform that the first Regional Workshop on the ECOWAS Solar Energy Initiative (ESEI) is scheduled to take place in Dakar, Senegal, from 18 to 21 October 2010. It will seek to bring together regional and international experts to define a regional strategy for large-scale solar energy deployment across West Africa. The strategy will be executed under the guidance of ECREEE in cooperation with the ECOWAS Member States.

As an initial step an operational solar energy road map will be adopted in the workshop. The road map will take advantage of the full menu of feasible solar energy technology options. This includes centralized and decentralized systems for electricity generation, heating and cooling services. The potential of large-scale applications to meet the rapidly growing energy demand of urban areas as well as small-scale installations to support productive uses in rural and peri-urban areas will be considered. The final outcome of this roadmap is to carry out the provision of sustainable energy services through implemented solar energy programs and projects.

Further information concerning conference registration, preparation and updates of the draft programme are available at <http://esei-forum.ecreee.org>. Our conference secretariat can be contacted by phone: +238/2604630 or e-mail: forum@ecreee.org (during the event our secretariat can be contacted through: +221/773190001 (English) or +221/77455 2139 (French) or +221/772050675 (Portuguese)).

Workshop language: presentations and discussions in English, French or Portuguese (translation will be provided)

Supporters: ECOWAS, UNIDO, AECID, ADA



1/8

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ECREEE Regional Workshop on the ECOWAS Solar Energy Initiative (ESEI)	
Time	Monday, 18th October 2010: Introduction and Background
8:30 – 9:30	Registration of participants
09:30 - 10:30	Opening and Keynote Addresses Welcome note , Mr. Mahama Kappiah, ECREEE, Executive Director
10:30 - 11:00	Coffee Break
11:00 - 12:30	Introduction - Setting the stage Establishment of ECREEE as a Regional Response and outlook on the ECOWAS Solar Energy Initiative (ESEI) , Mr. Mahama Kappiah and Mr. Ibrahim Soumaila, ECREEE Regional approach to the development RE & EE markets in ECOWAS: GEF West Africa Programme – emerging lessons and implications for solar energy markets , Mr. Pradeep Monga, Director, Director of Energy and Climate Change Branch, UNIDO Presentation of the Discussion Paper on Solar Energy , Mr. David Quansah, KNUST Moderator: Prof. Sambo, DG, Nigeria Energy Commission Feedback & Discussions
12:30 - 14:00	Lunch Break
14:00 - 16:00	Session I: Renewable Energy Situation and Markets in the ECOWAS Region I.1- The role of renewable energy solutions for rural and peri-urban areas in the ECOWAS/UEMOA White Paper implementation , Mr. Smail Khennas, PREP/UNDP, Regional Coordinator I.2- National Presentations by ECOWAS countries (10 mins each) & Discussions Moderator: Mr. Ibrahim Soumaila, EE Expert, ECREEE
16:00 - 16:30	Coffee Break
16:30 - 18:00	I.2- National Presentations by ECOWAS countries (10 mins each) & Discussions Moderator: Mr. Ibrahim Soumaila, EE Expert, ECREEE



19 th October 2010: Status and Potentials of Solar Energy Deployment in the ECOWAS Region	
08:30 - 10:30	<p>Session II: Global Renewable and Solar Energy Development and Trends</p> <p>II.1- Renewable Energy Status, Trends and Investments, Mr. Ernesto Macías, REN21</p> <p>II.2- Renewable Energy Trends and Markets in West Africa, Mr. Jörg Baur, GTZ, Germany</p> <p>II.3- Global Solar Thermal Heating and Cooling Trends, Mr. Werner Weiss, AEE-Intec, Chairman of the IEA Solar Heating and Cooling Programme, Austria</p> <p>II.4- The Global Concentrating Solar Power Trends, Ms. Esther Rojas, CIEMAT, Spain</p> <p>II.5.- PV status report 2010, Ms. Irene Pinedo, Joint Research Centre, European Commission</p> <p>II.6- The PV Trends in developing countries, Mr. Miguel Ángel Egido, Instituto Energía Solar, UPM, Spain</p> <p>Moderator: Mr. Smail Khennas PREP/UNDP, West Africa</p> <p>Issues discussed:</p> <ul style="list-style-type: none"> - Investment and Market Trends in Solar - Implications for West Africa <p style="text-align: right;">Feedback & Discussions</p>
10:30 - 11:00	Coffee Break
11:00 - 12:45	<p>Session III: Solar Thermal Systems for Heating and Cooling</p> <p>III.1- Overview on applications in different sectors and countries, Mr. Werner Weiss, AEE-Intec, Chairman of the IEA Solar Heating and Cooling Programme, Austria</p> <p>III.2- Solar Cooling as feasible option, Mr. Harald Blazek, SOLID Group, Austria</p> <p>III.3- Solar heating for industrial processes, Mr. Oriol Gavaldà, AIGUASOL, Spain</p> <p>III.4 - Solar energy for industrial applications - potential in ECOWAS Mr. Alois Mhlanga, UNIDO</p> <p><i>Issues discussed:</i></p> <ul style="list-style-type: none"> - <i>Applications for various sectors and services in urban and rural areas (e.g. buildings, industry, hotel sector, agriculture, desalination, cooking, drying)</i> - <i>Obstacles and Barriers for the Deployment (e.g. financial, economic, legal, institutional, knowledge and capacity gaps)</i> - <i>Possibilities for Technology and Knowledge Transfer</i> - <i>Case Studies</i> <p>Moderator: Mr. David Quansah, KNUST, Ghana</p> <p style="text-align: right;">Feedback & Discussions</p>
12:45 - 14:15	Lunch Break
14:15 – 16:00	<p>Session IV: The Case for Concentrated Solar Power (CSP)</p> <p>IV.1- CSP Technologies: State of the art , the prospects for the future and possible applications / technology transfers for West Africa, Dr. Marcelino Sánchez, CENER, Spain</p>



	<p>IV.2- Small scale CSP as an option for rural electrification and productive uses, Mr. Secou Sarr, ENDA-TM, Senegal</p> <p>IV.3- Obstacles and barriers for the deployment of CSP in West Africa, Ms. Esther Rojas CIEMAT, Spain</p> <p>IV.4- EmPower Programm – Large Scale Solar Power in Developing and Emerging Countries: Lessons Learnt, Mr. Werner Klaus, Lahmeyer International, Germany</p> <p>Issues discussed:</p> <ul style="list-style-type: none"> ○ <i>Concentrated Solar Power Technologies</i> ○ <i>Application of CSP Technologies (e.g. Troughs, lenses, Tower, Linear Fresnel Reflector, Dish Engine) for various sectors and services</i> ○ <i>CSP as a feasible Option for Regional Power Generation:</i> <ul style="list-style-type: none"> ▪ <i>Cost-Competitiveness, Benefits, Pros and Cons of technology for the West African Market</i> ▪ <i>Obstacles and Barriers for the Deployment of Technologies and Services (e.g. financial, economic, legal, institutional, knowledge and capacity gaps)</i> ○ <i>Small-scale CSP as feasible and cost-competitive option for rural electrification</i> <p>Moderator: ECREEE</p> <p style="text-align: right;">Feedback & Discussions</p>
<p>16:00 - 16:30</p>	<p>Coffee Break</p>
<p>16:30 - 18:30</p>	<p>Session V: The Case for Solar Photovoltaic (PV)</p> <p>V.1- The Case for Solar PV Applications in Africa - Challenges and Opportunities, Mr. Wisdom Togobo, Ministry of Energy, Ghana</p> <p>V.2- Options of PV for rural electrification in West Africa (technology and management), Mr. Ernesto Macías, Alliance for Rural Electrification, President</p> <p>V.3- Hands on experience of a private energy company: Experiences and recommendations for successful rural electrification with solar energy, Ms. Heidi Schiller, KAITO, Germany</p> <p>V.4- The place of PV in rural electrification strategies in Senegal, Mr. Cheick Wade, Agence Sénégalaise d'Électrification Rurale, Senegal</p> <p>V.5- Rural Electrification with Solar Home Systems: Experiences from Brazil, Mr. Werner Klaus, Lahmeyer International, Germany</p> <ul style="list-style-type: none"> ○ <i>The Solar Photovoltaic Technologies – State of the Art</i> ○ <i>Application of Solar PV Technologies for various sectors and services</i> ○ <i>Solar PV: as an Option for Regional Power Generation:</i> <ul style="list-style-type: none"> ▪ <i>Costs, Benefits, Pros and Cons of the technology for the West African Market</i> ▪ <i>Obstacles and Barriers for the Deployment of Technologies and Services (e.g. financial, economic, legal, institutional, knowledge and capacity gaps)</i> ○ <i>PV as option for rural electrification</i> <p>Moderator: Mr. N'cho Nguessan Pacome, MME, Cote d'Ivoire</p> <p style="text-align: right;">Feedback, & Discussions</p>



20 th October 2010: Solar Energy Deployment Policies and Strategies for the ECOWAS Region	
08:30 - 10:00	<p>Session VI: Case Studies - Concentrated Solar Power (CSP) and PV</p> <p>VI.1- PV on-grid project in Cape Verde, Mr. Gustavo Fernandes, Martifer, Portugal</p> <p>VI.2- PV Projects in Senegal, Mr. Jesús Rodríguez, Instituto Tecnológico y de Energías Renovables de Tenerife (ITER), Spain</p> <p>VI.3- CSP Projects from the Spanish industry, Mr. Gonzalo Barrantes, Cluster de Energia de Extremadura, Gerente, Spain</p> <p>VI.4- Smart grids in rural areas of ECOWAS, Mr. Pedro Pablo Andrada, Solaria Energias Renovables, Director Gerente, Spain</p> <p>Moderator: Mr. Bocar Sy, SEMIS, Senegal</p> <p style="text-align: right;">Feedback & Discussions</p>
10:00 - 10:30	Coffee Break
10:30 - 12:30	<p>Session VII: Solar Energy Support Policies and Mechanisms</p> <p>VII.1- DESERTEC-Africa, Dr. Ifeanyi Amajuoyi, Northern Africa</p> <p>VII.2- The new renewable energies frameword in Senegal, Pr. Issakha YOUM, CERER, Senegal</p> <p>VII.3- Promotion of Solar Energy in Spain, Mr. José Gil, IDAE, Dpto. Relaciones Internacionales, Spain</p> <p>VII.4- Feed-in tariffs mechanism, Mr. Ansgar Kiene, World Future Council, Director Africa Liaison Office, Ethiopia</p> <p>VII.5- Socio-economic impacts of large-scale CSP/PV projects, Katharina Niehoff, SEPA, Giessen University, Germany</p> <p>Moderator: Mr. David Vilar, ECREEE</p> <p style="text-align: right;">Feedback & Discussions</p>
12:30 - 14:00	Lunch Break
14:00 - 15:30	<p>Session VIII: Investments and Financing Mechanisms</p> <p>VIII.1- Market opportunities in West Africa, Mr. Bah F. M Saho, ECREEE</p> <p>VIII.2- African Development Bank, Lamin Drammeh, Private Sector Investment Officer, Senegal Regional Office</p> <p>VIII.3- World Bank, Mr. Philippe Durand, Africa Energy Unit</p> <p>VIII.4- IFC, Mr. Hakim Zahar</p> <p>VIII.5- AFD, Ms. Valérie Reboud</p> <p>VIII.5- PV Financing schemes for rural electrification, Mr. Ernesto Macías, Alliance for Rural Electrification, President</p>



	<p>Issues discussed:</p> <ul style="list-style-type: none"> - <i>Project and Market Development Opportunities in West Africa</i> - <i>Raising Local and International Finance for Solar Technology Deployment in West Africa</i> - <i>Micro-credits and small grant schemes for rural electrification</i> <p>Moderator: Mr. Amedeo Simoncini, NEXANT</p> <p style="text-align: right;">Feedback & Discussions</p>
<p>15.30 – 16.00</p>	<p>Coffee Break</p>
<p>16:00 - 17:45</p>	<p>Session IX: Capacity Development and Education</p> <p>IX.1- Education, Research and Development: prior for a good introduction, adaptation and innovation of solar technologies in West Africa, Mr. Yao AZOUMAH, 2ie, Director of the Solar Energy and Energy Saving Laboratory, Burkina Faso</p> <p>IX.2- Innovative Approaches to capacity development for renewable energy technology and service deployment (e-learning, distance, websites), Ms. Marisa Marco, CIEMAT, chef of Knowledge Management Division, Spain</p> <p>IX.3- Experience of ITC in transferring technologies for sustainable production of energy and water, Mr. Fernando Castellano, ITC, Head of Section of Renewable Energies Department, Spain</p> <p>IX.4- The Southern African Solar Thermal Training and Demonstration Initiative, Mr. Dieter Holm, SOLTRAIN, Southern Africa</p> <p>IX.5- ENERCAP Solar Cluster™ - Developing solar studies in Western Africa, Mr. François Besson, ENERCAP, France</p> <p>Moderator: Mr. Wisdom Togobo, Director of Renewable Energy, Min. of Energy, Ghana</p> <p style="text-align: right;">Feedback & Discussions</p>



21 st October 2010: Conclusion and Way Forward	
09:00 - 10:30	<p>Presentation and Adoption of a Road Map for the ECOWAS Solar Energy Initiative – ESEI</p> <p><i>Moderator: Chairman of the Bureau</i></p> <p style="text-align: right;">Feedback & Discussions</p>
10:30 - 11:00	Coffee Break
11:00 - 12:30	<p>Special Session on the ECOWAS-Brazilian Renewable Energy Partnership</p> <p>The ECOWAS-Brazilian Renewable Energy Programme The Contribution of Biofuels for Sustainable Development", Ambassador André Amado, Deputy Minister of Foreign Affairs for Energy and High Technology, Brazil</p> <p>Methodology for Projects for Bioenergy Production in Countries of Africa, Cleber Guarany, Project Coordinator, the Getulio Vargas Foundation – Brazil</p> <p>Moderator: ECREEE</p> <p style="text-align: right;">Discussions</p>
12:30 - 13:30	Workshop Report writing (Secretariat)
13:30 - 14:30	Lunch Break
14:30 - 16:00	Adoption of Final Report
16:00 - 16:30	Closing Ceremony
16:30 – 17:00	Coffee Break and Light reception



Contacts

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