

# AFRETEP Project

## Newsletter of the 19<sup>th</sup> August 2011

### WG Events and EUEI NEWS & EVENTS

#### AFRETEP Project:

##### East African Region AFRETEP project workshop

The Eastern Africa workshop has been postponed to October.

We will post the Western Africa workshop (Ouagadougou, November) open call in the short run. Candidates excluded from the previous should apply sending a simple message of interest.

### WG News and EUEI NEWS & EVENTS

16/08/2011

#### CPS Today of London:

##### Utility Scale PV map reveals substantial growth in the US & Canada

As global PV players turn their attention towards the utility scale PV market in the United States, the research team at PV Insider has been working overtime to complete the Utility Scale PV Map – US & Canada 2011, which was unveiled this week. With recently announced figures showing that the PV project pipeline in North America has exceeded 16.6GW, and with overall capacity set to grow more than 50 times by 2016, the map details the size and location of plants that are currently operating, under construction or planned. Additionally, the map lists the utilities that have agreed to purchase energy from plants that are yet completed, outlining the PPA contracts in place for future utility scale projects in an easy-to-read format ... [read more](#).

15/08/2011

#### CPS Today of London:

##### Supercritical-CO2 could hold the secrets for CSP

Ma is scheduled to present his paper on this at the conference, in which he outlines the main advantages of Super-critical CO2 when compared to conventional steam Rankin cycles ... [read more](#).

08/08/2011

#### CPS Today of London:

##### Optimizing the design and engineering of large-scale plants is a top priority for the CSP industry in the United States

In a recent interview with CPS Today Alvarez gave a preview of what he will present at the conference and outlined the main challenges in modeling large-scale plants and why this is crucial for projects in the US ... [read more](#).

05/08/2011

**CPS Today of London:**

### **Examining the very latest updates on CSP Plants around the world**

The **CSP Markets Report**, put together after in-depth interviews with over 40 CSP experts, details critical changes in recent months. A sample of the extensive updates in the CSP industry within recent months includes: ... [read more](#).

04/08/2011

**CPS Today of London:**

### **Feedback from recent Webinar: CSP and PV: Reaching a balance in the solar space**

The hour-long session, which included Q&A's and live polls with over 500 participants, delivered important insights on how CSP and PV could collaborate to further solar energy within the renewable power mix and ultimately "decarbonize" the electricity generation ... [read more](#).

01/08/2011

**CPS Today of London:**

### **Direct Steam Generation: Increasing temperatures is crucial for CSP**

As the CSP industry moves forward into an era of large-scale development in the United States the ability to reach higher operational temperatures to improve the efficiency of solar thermal power production is at the forefront of R&D efforts. In a recent interview with CSP Today, Juergen Peterseim of Eckrohrkessel GmbH, emphasized the advantages of direct steam generation when compared to conventional heat transfer systems ... [read more](#).

01/08/2011

**CPS Today of London:**

### **Webinar – What is the next step for CPV commercialization in the US?**

The market for concentrated photovoltaic in the US has been demonstrating promise: earlier this year it was reported that over 450MW of CPV was now in development, under construction, or in operation in the United States, as part of almost 700MW worldwide. However, support for the technology in this new market has been far from overwhelming, sustained and unanimous. The number of US-based utility scale CPV projects pales into insignificance against super-scale CSP and the quantity of thin film and crystalline silicon installations. Moreover, investors and end-users have so far proved reluctant to throw their total support behind CPV, as it demonstrates all the usual growing pains of an emerging market ... [read more](#).

26/07/2011

**CPS Today of London:**

### **CPV case studies to demonstrate roadmap to market success in November**

Following the successful release of the 'CPV World Map 2011', the 3rd Concentrated Photovoltaic Summit USA 2011 will take the next step and host a series of case studies dedicated to proving CPV's progress across the globe. With the world map as a starting point, nine case studies will be given at the conference, charting the progress of landmark CPV projects across five continents ... [read more](#).

18/07/2011

**CPS Today of London:**

### **The CSP Feed-in Tariffs Guide has been released**

Earlier this year, the International Energy Agency reported that with the right support, CSP could provide 11.3% of global electricity by 2050. Spain, USA, Morocco, India, South Africa, Portugal, Italy and Greece have already provided specific incentives to foster CSP's development whilst acknowledging the potential of this technology ... [read more](#).

## WG Events and EUEI NEWS & EVENTS

12/08/2011  
CPS Today of London:

### 2nd Utility Scale PV Plant Optimization USA

This is a 2 day conference that deals with the technical intricacies of how to successfully streamline your design, engineering and construction strategies, including: ... [read more](#).

12/08/2011  
CPS Today of London:

### CSP Today Sevilla 2011

CSP Today Sevilla is the premier international Concentrated Solar Thermal Power meeting place and in its 5th edition it will give you the ultimate CSP learning & industry networking experience. With over 700 top attendees, this is by far the biggest, best, and most influential CSP industry event ... [read more](#).

## WG Documents

20/07/2011  
AFRETEP:

### 18TH JULY NEWSLETTER

20/07/2011  
AFRETEP:

### 16TH JUNE NEWSLETTER

20/07/2011  
AFRETEP:

### 6TH JUNE NEWSLETTER

20/07/2011  
AFRETEP:

### 17TH MAY NEWSLETTER

20/07/2011  
AFRETEP:

### 12TH MAY NEWSLETTER

20/07/2011  
AFRETEP:

### 2ND MAY NEWSLETTER

04/07/2011  
AFRETEP:

### Energy solutions in rural Africa: mapping electrification costs of distributed solar and diesel generation versus grid extension

**Abstract:** Three rural electrification options are analysed showing the cost optimal conditions for a sustainable energy development applying renewable energy sources in Africa. A spatial electricity cost model has been designed to point out whether diesel generators, photovoltaic systems or extension of the grid are the least-cost option in off-grid areas. The resulting mapping application offers support to decide in which regions the communities could be electrified either within the grid or in an isolated mini-grid. Donor programs and National Rural Electrification Agencies (or equivalent governmental departments) could use this type of delineation for their program boundaries and then could use the local optimization tools adapted to the prevailing parameters ... [read more](#).

21/06/2011  
CPS Today of London:

### CSP Markets Report: New Edition 2011-2012

The CSP markets in Spain and the USA are now becoming established and the industry has more clarity on expected growth. However there is still a lot of hype clouding the growth potential for CSP in new emerging markets. To achieve success on the global stage, it is now vital for the industry to get a grasp on the real trends shaping these markets in

order to define new opportunities and assess likely threats ... *read more.*

**12/04/2011**  
**CREDC Benin City:**

### **Strategies to Scale-up Renewable Energy Market in Africa**

This is a position paper developed by NGOs and other stakeholders for the International Conference on Renewable Energy in Africa which held on 16-18 April 2008 in Dakar, Senegal. The policy document highlights the obstacles to the development of renewable energy and promotion of energy efficiency in Africa and suggests strategies to scale renewable energy market in Africa ... *read more.*

**07/04/2011**  
**CREDC Benin City:**

### **Report of Inception Workshop for Rural Electrification Project in Nigeria Using Photo Voltaic**

The project "Access to Electricity in Odighi Community in Edo State Using Photo Voltaic" is being implemented by the Community Research and Development Centre (CREDC). The Inception Workshop for the project held on the 22nd March, 2011 in Benin City, Edo State, Southern Nigeria. The workshop was organized to achieve the third objective of the project - to create awareness in Edo State on the potential for renewable energy technologies (RETs) to address the energy crisis in

Nigeria and mitigate the emission of greenhouse gases and to train the first set of community members on the installation and maintenance of photo voltaic (PV) system. The Workshop attracted over 140 participants drawn from government, NGOs, CBOs, community members, students, religious leaders and the media. The Workshop featured goodwill messages from policy makers, paper presentation and training of the first set of community members on the installation and maintenance of PV systems ... *read more.*

### **WG pages**

We remind you we have uploaded some interesting information in the Working group pages frame. You could find maps and data of solar radiation and PV in Africa and Europe, of African infrastructures, of global population and further. Moreover, you could access to the Photovoltaic Geographical Information System (PVGIS) of the Joint Research Centre (JRC) of the European Commission and download processed data of the JRC GIS.

### **WG forums**

We would remind AFRETEP members about forum discussions:

1. AFRETEP workgroup website improvement.
2. Barriers and chances for renewable energy deployment
3. Energy solutions in rural Africa: working towards a continental scale methodology?