

SEPA09 – A Brief Introduction

The aim of SEPA09 – Solar Energy Partnership between Africa and Europe - is to stimulate trans-disciplinary discussions on the future energy supply of Europe and Africa. Following the DESERTEC concept, a possible future option for both continents is the installation of a significant amount of concentrating solar power (CSP) systems in the deserts of Africa. Many people call this plan unrealistic, others claim that this plan is not an option, it is a necessity.

Since our previous workshop SEPA08 the world has changed dramatically, not only because of the financial crisis. The last year's oil prices and the Russian gas cut to Ukraine were another wake-up call to remind us that our energy supplies based on fossil resources are neither stable nor secure. As a reaction, our nuclear power industry is preparing for a renaissance in Europe and is searching new customers in the Arabian and African countries. As a complementary approach, some countries start to invest in large scale CSP, like Spain and the USA.

Our workshop will focus on the interplay of technical, economical, geographical, political and historical conditions that will have to be understood in order to make a smooth transition from our current world situation to a stable, sustainable and adequate energy supply for Europe and Africa.

We will try to make the workshop effective and inspiring as well for experts as for students and other interested participants.

Rev. 33, 04.06.2009

Location: Main Building, Justus Liebig University,
Ludwigstrasse. 23, 35390 Gießen, Germany

Further Information and Free Application

<http://www.physik.uni-giessen.de/dueren/sepa>

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SEPA Working Team

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Is it possible to achieve renewable energy supply,
climate protection and a good African-European
relation at the same time?

2nd International Workshop

SEPA 09

Solar Energy Partnership between Africa and Europe



June 8-10 2009, Justus Liebig University
Main auditorium, Ludwigstraße 23, Gießen, Germany

Monday 08 June 2009

Registration - Aula Main Building (12:00-14:00)

Technical and economical conditions (P. Winker)

14:00 Welcome, Prof. S. Hormuth, President of the Justus Liebig University Giessen

14:15 SEPA - Scope of the workshop,
Prof. A. Dittmann, Prof. P. Winker

14:30 The DESERTEC Concept, Prof. M. Düren(Gießen)

15:05 Concentrating Solar Power (CSP): Technology and Application, Prof. B. Hoffschmidt (FH Aachen)

15:40 Parabolic-through Solar Power Plants – Application today and present Developments, K. Schmitz (Flagsol)

Coffee

Technical and economical conditions (A. Dittmann)

16:40 How much solar power from Africa is good for Europe? Prof. M. Greiner (Siemens)

17:10 Electricity import from the desert?
M. Keiffenheim (Greenpeace Energy)

17:40 Solar power by Dish Stirling Machines from Sunmachine, T. Stiefenhofer (Sunmachine)

Evening Talk for the general public (in German)

18:30 Das subsaharische Afrika - der verlorene Subkontinent, Prof. C. Samimi (Wien)

Buffet (by invitation only)

Tuesday 09 June 2009

Political issues (M. Düren)

09:30 Political and institutional hurdles: EU, North Africa and EU member states,
Dr. K. Westphal (SWP, Berlin)

Coffee

10:40 Clean Development Mechanism in Africa – Options and limits
D. Gudopp, P. Eckert (Lahmeyer International)

11:20 EU and IRENA, Dr. A. Poschmann (IRENA)

Lunch break

Historical Aspects and Political Issues (D. van Laak)

13:30 Historical aspects, Prof. R. Rottenburg (Halle)

14:00 Development, culture and technology,
Prof. W. Gieler (Siegen)

14:30 Discussion about historical aspects,
Prof. D. van Laak, Prof. W. Speitkamp,
Prof. R. Rottenburg, Prof. W. Gieler

Exhibition: Local renewable energy supply

Solar heating (Paradigma, Fa Arnold)
Dish-Stirling system (Fa Sunmachine)
Photovoltaic modules (Phys. Institutes, Giessen)
Savonius wind turbines (Fa. SolarEn)

North and South African Aspects (F. Schüssler)

17:30 Options for energy development and supply for Namibia: A focus on renewables, Dean L. Mwewa

18:30 CDM projects in Nigeria and Burkina Faso,
F. Zerzawy (Atmosfair)

Evening program

West African Evening with African Music/Dance and African Food at Restaurant Savanne, Lich

Wednesday 10 June 2009

Senegal: example and cornerstone in the DESERTEC map?

09:00 Welcome to Mrs. Viviane Wade, First Lady of Senegal, and her delegation

09:30 Plans for Renewable Energies in Senegal,
Prof. I. Youm (Dakar), A.C. Bèye (Bambey), A.S.H. Maiga (Saint Louis)

Coffee

10:35 IRENA and the Euro-Mediterranean Partnership, Dr. W. Kahlenborn (Adelfi Research)

10:50 Contribution KFW-Senegal, K. Gihir (KFW)

11:05 Panel Discussion, H. Knaup (Der Spiegel):
L. Mwewa, Prof. I. Youm, A.C. Bèye, A.S.H. Maiga,
K. Gihir

12:15 Closure