

# artefact gGmbH

Centre for sustainable development  
Glücksburg / Germany

„A sustainable future based on renewables -  
how do we meet the challenge?“

Kopenhagen-preparatory Workshop

1.- 5. Dezember 2009

in Glücksburg/Germany /Baltic Sea



## *A sustainable future....*

Participation fee for European residents is € 200,- for the whole period, for Non-European participants € 100,-.

Location: artefact 24960 Glücksburg, Baltic Sea  
Bremsbergallee 35.

Arrival:  
trains from Hamburg, Kiel and Kopenhagen to Flensburg  
bus Line 21 from Flensburg-Central bus station ZOB every hour  
to Glücksburg-Bernsberg

Telefax: 0(049)4631-6116-28 e-mail: info@artefact.de

### **Tuesday , Dec. 1st**

arrival of participants from abroad  
guided tour through the centre for sustainable  
development  
energy supply and energy efficiency through  
innovation and life style

### **Wednesday, Dec. 2nd**

10:00 registration of participants  
10:30 opening remarks and introduction:  
From Rio to Copenhagen - climate change and  
political response Werner Kiwitt

12:30 lunch break

13:30 The situation today: presentation of participants  
Range of activities and problem analysis  
presentations and group work  
technical progress and political efforts  
lessons from the German feed-in-law?

19:00 Post Kyoto process - where are our governments?  
Presentations - EU countries  
Gunnar B. Olesen, InforSE Aarhus, requested  
Africa - joint positions after the summit? N.N.

### **Thursday, Dec 3rd**

09:00 Asia and South America - economical growth  
through energy demand?  
Between farmers and agro business - a case study  
from Brasil  
Janina Metzler/Liv ASA Brasil, requested

11:00 Potentials for local energy cycles for household  
energy and transport  
presentation and excursion to car workshop and  
farm with rape seed use  
Hanno Otzen, Autoschmiede Ringsberg,  
Karl Rave, Ausacker

13:30 Biomass and biogas - developments, successes  
and conflicts in rural Schleswig-Holstein  
Group work: export market plant oil and biomass  
versus domestic energy demand  
food supply and land conflict  
continued excursion to Sprakebüll and Schaff-  
lund wind, solar and biogas installations  
a region getting up against fossile carbon indus-  
tries (CCS)  
H. Asmus, C.Andresen

17:00 Presentations and discussion

20:00 household energy with yatropha -experiences and  
limitations  
studies and evaluations by SESAM (Sustainable  
energy Systems and management, Flensburg uni-  
versity) students

### **Friday, Dec 4th**

07:00 departure for excursion to Aero island, Denmark:  
community energy supply with solar thermal,  
straw and wind energy  
What makes the difference ? participatory ap-  
proaches versus top down  
Office for renewable energy, Aeroskobing

18:00 return to Glücksburg

### **Saturday, Dec. 5th**

09:00 introduction: energy security with central or de-  
central concepts?  
the DESERTEC concept  
presentation by Michael Straub, Club of Rome

11:00 Impacts on Africa: sustainable development with  
central solar thermal applications?  
Governmental versus civil society interests  
identification of positions and targets for Copen-  
hagen  
working groups

13:30 presentation of positions, discussion  
identification of follow up steps, training demand  
and others

15:00 conference evaluation, follow up arrangements  
and farewell  
departure

Location: **artefact**  
centre for sustainable development  
Glücksburg/Baltic Sea  
The centre is located close to Flensburg fjord and city  
right at the German-Danish border

## artefact – that's who?

artefact“ stands for appropriate rural technologies Flensburg alternative cooperation team. The not-for-profit organisation runs the centre for sustainable development at the German-Danish border

- with a green-energy-guesthouse and conference rooms, lodging facilities for 32 persons
- with Germany's first energy infotainment park called Powerpark for tourists and guided tours
- with numerous projects for global learning for pupils and students
- with professional trainings for solar entrepreneurs, planners and technicians, other renewable energies. efficient housing and other topics on request
- with the programme „solivol“ for young German residents going „weltwärts“ in internships of 12 months with partner NGOs working in sustainable development in East Africa (under the patronage of Eurosolar president Hermann Scheer).

Check [www.artefact.de](http://www.artefact.de)

for more information

*You're welcome!*

*Werner Kiwitt*



Energy efficiency and massive extension of renewable energy applications is on the agenda worldwide. The European community decided to reduce CO<sub>2</sub> emissions by 20 % and increase renewables to 20% or more of the overall consumption. Technical innovations help to create hundred thousands of new jobs. The feed-in-law for renewable energy and access to the grid for private energy producers are essential

parts of the political and economical changes that help to achieve these goals.

But how is it possible to overcome old monopolies and prejudices, to convince conservative farmers as well as market minded bankers to go renewable?

Which lessons can be learned from the pioneers of a CO<sub>2</sub> -free future?

The German-Danish border region has been spearheading many of these developments. The first modern wind generators were shaped, the first conflicts with utilities were fought in the region. Until today the region hosts a number of pioneers in different fields:

- the highest density of different wind generators and prototypes and manufacturers
- the leading wind exhibition worldwide in Husum
- the Flensburg university programs Energy and environmental management, sustainable energy systems with IPCC-representative Prof. Hohmeyer
- the first training centre for wind service and maintenance personnel
- the first centre for sustainable development , artefact
- different social, economical and political concepts of community owned electricity and heat grids
- solar energy distributors, citizens, solar and wind parks
- biogas and biomass pioneer plants
- round tables with environmentalists, investors,...

At the same time numerous experiences such as possibly avoidable mistakes have been made, role of politics and many others – in other words: a region to get hope, motivation and skills for your own sustainable future.

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1.- 5. December 2009  
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I herewith register for the attached workshop  
Dec. 1-5 , 2009 in Glücksburg

Family name		first name
organisation		
street		
code	town/place	
country		
Tel.	email	
Date	signature	

The fee for the course (including lodging in several-persons-rooms and meals) of € \_\_\_\_\_ is being transferred to the artefact account after receiving the confirmation.

Transport to and fro artefact , visa costs or other costs are not covered by artefact

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