



Solar Energy Resource Assessment

presented by the Carsten Hoyer-Klick of the DLR
(German Aerospace Center)

Wednesday, 17 February 2010, Cape Town
Thursday, 18 February 2010, Johannesburg

Synopsis

This one-day workshop covers the most important aspects of solar energy resource measurement and assessment. The following topics will be addressed:

- Methods for assessing solar radiation (ground measurements and remote/satellite sensing)
- Sources for solar radiation data
- Benchmarking of solar radiation data
- Required characteristics of solar radiation data for various applications / How to select a suitable data set for the desired application.
- Quality assessment of solar radiation data
- Obtaining bankable data for CSP and PV installation

Who should attend

Engineers, CSP and PV project developers, technologists active in the solar energy sector. Government and local authority officials and other decision makers. Investors.

Venue and Time

This **one day** workshop will be presented at the Skilpadvlei Conference Centre outside Stellenbosch on 17 February 2010 from 08h00 – 17h00. The same training will be repeated at the Development Bank of SA Conference Centre in Midrand on 18 February 2010. Directions are attached separately.

Travel and Accommodation

Delegates are requested to make their own travel and accommodation arrangements.

Registration

The workshop is designed for a limited number of participants so as to personalise and maximise the learning experience. Bookings will be taken on a first come first serve basis.

Bookings will only be considered as "confirmed" once the completed, signed registration form has been received.

The registration form and directions are attached separately. For enquiries contact Jos Liebenberg at: Tel: 021-808 4069, Fax: 021-808 4277 or E mail: crses@sun.ac.za or visit: www.sun.ac.za/crses

Registrations close on Tuesday 9 February 2010.

Course Fees

- The fee for this event is **free** of charge.
- Attendance without registration will not be permitted.
- In the case of unforeseen circumstances Stellenbosch University reserve the right to cancel the course.
- The course material will be handed out at the workshop and lunch will be served.

Presenter:

Carsten Hoyer-Klick studied Physics at Oldenburg University in Germany and graduated from there in 1998 with a thesis on modelling solar thermal power plants. He then started working in the energy meteorology group of Oldenburg University with a focus on proving solar radiation data from satellite images for monitoring applications. In 2003 he changed to the German Aerospace Centre (DLR) into the Systems Analysis and Technology Assessment Group to build up the long term archive SOLEMI (Solar Energy Mining) of satellite based solar radiation data. His main field of research is solar resource assessment on the global level and is involved in various multilateral collaborations (e.g. UNEP-Solar and Wind Energy Resource Assessment (SWERA) Programme, IEA SHC Task 36 - Solar Resource Management). He is the coordinator of the European project MESoR (Management and Exploitation of Solar Resource Knowledge) bringing together all main European actors in the field of solar resource assessments.



Sponsor

The workshop is sponsored by the United Nations Environment Program (UNEP).



