



Seminar on Financing Solar Thermal Water Heating, Wind, Biogas Projects in Johannesburg, South Africa from 24 – 25 November 2010 at Southern African-German Chamber of Commerce and Industry (SAGCC)

The Renewables Academy (RENAC) in Berlin and the Southern African-German Chamber of Commerce and Industry (SAGCC) will implement a seminar on financing solar thermal water heating, wind energy and biogas projects in Johannesburg from 24 to 25 November 2010 for participants from **South Africa and southern and western region of Africa**.

South Africa and other countries from the region have outstanding opportunities to benefit from various renewable energy sources. A huge potential, especially in solar, wind and bio energy, only waits to be explored. Growing political awareness of the need to change the energy system towards renewables combined with clear-sighted entrepreneurship bring with it interesting new business opportunities. This will create the chance for a strong renewable energy industry to develop in the region. Like any other investment, renewable energy (RE) projects need thorough analysis before implementation in order to minimize risks and assure profitability. Every RE technology has distinctive features which affect cost and revenue structures and thus financing. Furthermore, depending on the technology used, risks vary and need to be understood.

This two-day seminar aims at familiarizing participants with the most relevant technical and financial aspects of solar thermal water heating, wind, biogas projects and prepares them for farsighted economic decision-making, be it as an investor or a project developer.

Benefits

- Understand the relevant technical aspects of different RE technologies
- Be able to identify and mitigate the risks associated with different RE technologies
- Become familiar with RE project cost structures
- Be able to assess which technology has the most potential in the region
- Learn from best-practice examples on how RE projects can be financed and implemented successfully

Target Groups

Project developers, investors, banks, financing institutions, decision makers and engineers from

- Investment companies, banks and other financing institutions
- Ministries and other public authorities
- Project developers and consulting companies
- Industry and industry associations

For more information, please refer to our website: <http://www.tree-project.de/course-program/tree-2010-financing-seminars/>





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Seminar topics and overview

The **two-day seminar** covers project and financing issues for these technologies:

- Solar thermal water heating
- Wind energy
- Biogas

For each of these technologies, the following topics will be discussed:

Introduction to the respective RE technology

- Functional principles
- Necessary natural resources and conditions
- Latest trends in technology and markets

Technical basics

- Systems: components and principles of operation

RE Projects

- Resource assessment in feasibility studies
- Technical planning procedure
- Typical project plans and lead times
- Project risks
- Installation, electrical and civil works, grid-connection
- Technical quality assurance (technical due diligence)
- Contracts within a project

Economics of RE projects

- Capital investments incl. cost of components
- Operating costs
- Cash flow behavior in the project life-cycle
- Sensitivity analysis: important sensitive parameters

Case studies

Financing with the Clean Development Mechanism CDM





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Course structure

24 November 2010; 10 am – 6 pm

Opening Session
Solar thermal water heating
Wind Power
End of Day 1

25 November; 10 am – 6 pm

Wind Power (continued)
Biogas
Clean Development Mechanism
Closing remarks

Seminar fee* (includes printed seminar proceedings, coffee & lunch)

Early bird registration until 13 October 2010	1,050 ZAR
Regular seminar fee	1,240 ZAR

Employees of government bodies have the possibility to take part free of charge.

* VAT is not included

Take part in TREE distance learning modules!

Participants of this seminar also have the opportunity to participate in TREE distance learning courses **free of charge!**

Modules starting in spring 2011 are:

- Financing of renewable energy projects
- Introduction to renewable energy and energy efficiency technologies
- International energy policy
- Market development for renewable energy technologies
- Quality and supply chain management

For more information, please refer to our website:

<http://www.tree-project.de/distance-learning/>

Registration

To register, please fill in the registration form attached and send it to:

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