

## INVITATION

# Weather Forecasting for Power Generation Seminar

The Royal Danish Embassy and the Danish Energy Agency in collaboration with the Dept. of Energy and SANEDI have the pleasure to invite you to the Weather Forecasting for Power Generation Seminar to be held on **19 September 2017**.

The Weather Forecasting for Power Generation Seminar is an activity under the Danish South African Programme on Renewable Energy.

Wind/solar power forecasting is not a new discipline and there are several commercial available power forecasting technologies specializing in forecasting for grid operations, plant and fleet forecasts, ramp forecasts and seasonal forecast and combinations thereof and different time scales, depending on the intended application. However the applicability of the forecast models tailored to Northern Hemisphere mid latitudes to the different wind climate in South Africa has not been investigated yet. While the basic governing equations are obviously the same, the distribution of weather types, varied terrains and extensive coastline in the South African latitudes are different from those where most power forecast systems have been developed (e.g. Europe, USA).

The one day Weather Forecasting for Power Generation Seminar will focus on informing and sharing of information through a series of presentations by international and local experts covering the State of the Art in Short-term Prediction of Wind Power, Forecasting in System operations and planning, Weather forecasting in South Africa and Climate related, State of Power Forecasting in South Africa, Grid codes etc.

**RSVP to Ms Maleepile Felicity Moseki, tel +27 (12) 430 9350, email: [malmos@um.dk](mailto:malmos@um.dk) by latest Tuesday, 12 September 2017**

**Date:** Tuesday, 19 Sept 2017

**Time:** 9:30 – 16:30

**Venue:** SANEDI Training Room, Ground floor, Block E, Upper Grayston Office Park, 150 Linden Road, Strathavon , Sandton

## Tentative Agenda

9:30	Tea/coffee/biscuits
10:00	Opening and Welcome Andre Otto (SANEDI)
	Safety / Evacuation, SANEDI
	Danish Energy Agency, Andrea Isidori
10:20	State of the Art in Short-term Prediction of Wind Power and the related IEA Task - Gregor Giebel, DTU
11:00	20 years of experience with Short-term Prediction at the Interface between Science and Clients - Henrik Aalborg Nielsen ENFOR
11:40	Forecasting in System Operations and Planning, Knud Johansen, Energinet
12:20 – 13:00	Lunch
13:00	Weather Forecasting in South Africa, focusing on Numerical Weather Prediction, Stephanie Landman (SAWS)
13:40	Climate Change related issues, Chris Lennard (UCT CSAG)
14:20	Power forecasting operational activities at Eskom, Pumeza Mhaka, Eskom State of power forecasting R&D in South Africa, Gregory Landwehr, CSIR
15:00	RE and Grid Codes, Mondli Shozi (NERSA)
15:40	Tea/coffee
16:00	Discussion / Questions / Feedback
16:30	Close meeting/way forward