



INVITATION

Wind Atlas for South Africa (WASA) Numerical Wind Atlas for All South Africa WASA Mid-term Workshop 20 June 2018, Venue TBD

Dear Sir/Madam

You are cordially invited to the Wind Atlas for South Africa (WASA) mid-term workshop “*Numerical Wind Atlas for All South Africa*” to take place on Wednesday, 20 June 2018. Venue to be confirmed (please see Venue).

WASA is an initiative of the Dept. of Energy with WASA 1 (2009 to 2014) that covers the Western Cape and parts of the Northern Cape and Eastern Cape provinces. WASA 2 (2014 to 2018) covers KwaZulu-Natal, Free State and the remaining areas of the Eastern Cape Province. WASA 3 (2017 to 2020) covers the remaining areas of the Northern Cape Province and together with WASA 1 and WASA 3 rest of South Africa as well. WASA is funded by the Global Environment Facility (GEF) through the South African Wind Energy Programme (SAWEP) with UNDP support (WASA 1 and WASA 3) and the Government of Denmark (WASA 1 and WASA 2). SANEDI is managing WASA with the Implementing partners: CSIR, UCT, SAWS, and DTU Wind Energy.

Programme

A draft Programme is attached.

Objective

The main objective of the workshop is to engage with the workshop participants on the current status of WASA that is continually working to improve the understanding, methods, models and uncertainties of the wind resource assessment in South Africa through improving procedures, modelling, validation and tools. A Numerical Wind Atlas that cover all of South Africa with data

and wind resource map is under development. An Interim High Resolution Wind Resource map covering all of South Africa briefly presented at Windaba 2017 (www.wasaproject.info). This and the ongoing work will be presented and discussed further and the plan for the coming work will be introduced.

There is no workshop attendance fee (seating is limited). Any other costs e.g. travel and accommodation to be covered by the participants.

Venue

The proposed cities for hosting the workshop are one of Cape Town or Port Elizabeth or Durban. Participants to indicate which of these 3 cities they **definitely cannot** attend. Based on the response, we will inform on the city with the workshop venue in that city to be confirmed. **Please note that the workshop will be “repeated” with the WASA 2 Final Seminar to take place in Dec 2018 (date and venue to be confirmed).** The WASA mid-term and WASA 2 Final Workshop venues are chosen to provide the best opportunity for most participants to attend one or the other.

To do:

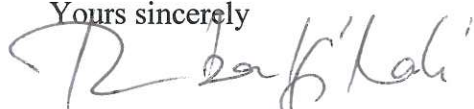
WASA Mid-term workshop, Wednesday, 20 June 2018

Seating is limited and I will appreciate if you can please inform Mr Andre Otto by email:

andreo@sanedi.org.za on or before COB Friday, 8 June 2018:

1. Which city(s) Cape Town, Port Elizabeth or Durban you **definitely cannot** attend
2. *Attendance, number of participants (confirmed, tentative) and contact details, tel and email*
3. *Attending the software clinic, yes or no*

Yours sincerely



Dr. Thembakazi Mali
Interim CEO SANEDI



Wind Atlas for South Africa (WASA)

Numerical Wind Atlas for All South Africa

DRAFT Programme for WASA Mid-term Workshop

20 June 2018, Venue TBD

Chair: DoE

09:30 – 10:00 Coffee/tea + registration

10:00 – 10:15 Welcome, Introduction – purpose of the day and intro to WASA partners (SANEDI)

10:15 – 10:30 WASA Partner short introductions – CSIR, UCT, SAWS, DTU

10:30 – 11:00 **WASA project description**

- Wind atlas methodology – the why and the how (DTU)
- WASA brief, recap of work done and status – the what (CSIR)
 - The WASA programme with WASA1-WASA2-WASA3 and its Work Packages

11:00 – 11:30 Coffee/tea break

11:30 – 13:00 **WASA project results by June 2018**

- “Numerical Wind Atlas for All South Africa” (CSIR, UCT, SAWS, DTU)
 - Overview and first results
 - Validation and uncertainties
 - Recommendations and continued work
- Q&A

13:00 – 14:00 Lunch break

14:00 – 15:30 **Wind Atlas for South Africa Application**

How is the Wind Atlas for South Africa applied (CSIR, UCT, SAWS, DTU)

- Use in DEA/SEA
- Education and applied research (UCT and CSIR)
- Wind Farm Case studies and examples
- WASA web sites, download, modelling (WASP), Guidelines (CSIR)
- Q&A

15:30 Closing (DoE)

15:30 – 17:00 **OPTIONAL Interaction with users (volunteers, coffee/tea)**

Software clinic – try the “Numerical Wind Atlas for All South Africa” in your software (DTU and CSIR)

Stay and meet the WASA partners
