



## *Ocean Energy Network of South Africa*

### **OCEAN ENERGY WORKING GROUP TERMS OF REFERENCE for the Ocean Energy Network of South Africa**

#### **Vision Statement**

To promote the utilisation of ocean energy power so that it contributes to the share of the national electricity generation mix contributing at least 100 GWh by 2015. The aim is to achieve this by:

- Demonstrating through awareness programmes that ocean energy is viable and can contribute significantly to meeting energy demand as a renewable energy source in South Africa;
- Lobbying Government, NERSA, Eskom and other role-players to facilitate an enabling regulatory environment;
- Developing a base and network of expertise to advise the public and private sector on various aspects of ocean energy;
- Establishing a common, public repository of all ocean energy data of South Africa; and
- To raise funds for flagship projects such as demonstration projects and a Wave Energy Test Centre.

#### **Problem Statement**

We recognize that the efficient capture of ocean energy will provide South Africa with a significant percentage of its energy needs. The technology needed to harvest ocean energy currently is still under development with only a few commercial installations. There are still many barriers to overcome, such as, high costs, limited field experience, limited technical development facilities and limited investment. These barriers can be overcome by various stakeholders working together and fostering closer relationships between the research community, government and the private sector.



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### **Implementation – First Phase**

1. A “champion” will be established to commence the inception work for the First Phase of the project.
2. To ensure continuity, the “champion” will consist of a team drawn from three organisations. This team will be called the “implementation team”, and will comprise of the following *ex officio* members:
  - The Wave Energy Program Leader at Eskom;
  - The Director of the Centre for Renewable and Sustainable Energy Studies at Stellenbosch University;
  - The Senior Manager at SANERI responsible for Clean Energy.
3. The implementation team will undertake all work necessary to achieve the defined deliverables within the defined timelines.
4. The implementation team will also commence a fundraising drive from various sources.
5. The implementation team will report back monthly to the Ocean Energy Working Group on the progress with its work.

### **Specific Deliverables of the Implementation Team**

1. A finalized Vision Statement and road map will be presented – deadline 10 March 2008;
2. Formalise and establish the Ocean Energy Network of South Africa;
3. Establish a virtual network of volunteer experts in various related fields, who can be consulted jointly or individually by the members of the Working Group at any time to offer advice on various issues – deadline 30 April 2008;
4. A website, to promote ocean energy generally and to facilitate communication between various persons of the Working Group will be developed – deadline 30 April 2008;
5. A detailed plan to create a Wave Energy Research Programme – deadline 31 May 2008;



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6. A combined and accessible knowledge base, incorporating all available public information in South Africa relevant to the subject of ocean energy will be initiated – deadline 30 June 2008;
7. A database of external experts, who can be hired by any interested party to assist in furthering any projects involving ocean energy harvesting – including placing public advertisements inviting any such experts to contact will be established - deadline 31 July 2008;
8. A second national ocean energy workshop will be convened in August 2008, to report back on progress achieved on the implementation actions identified as part of Phase One and to discuss and agree on Phase Two of the program.

10 March 2008