

APPROPRIATE TECHNOLOGY FOR COMMUNITIES IN ARIDLANDS:
Challenges approaches & experiences.

Towards establishment of an Arid Lands' AT model centre, training and research facility



Organisers: Desert Research Foundation of Namibia (DRFN), University of Namibia (UNAM), Namibia's Ministry of Agriculture and Rural Development (MAWRD) and Namwater, Ministry of Mines and Energy (MM&E) and Nampower, Institute for Polymer Science (University of Stellenbosch), (±3 renowned desalination and energy companies, ±3 experts organisations that deal with water and energy investigations in Desert environments, from e.g., Mid-east (Israel or Saudi Arabia) and the USA.

Funded by: USAID, Norad, Sida, SEI, Mid-east org.

Key words: *Arid Lands, Southern Africa, Appropriate technology, desalination, energy, sub-surface storage and artificial recharge, water harvesting, water reclamation and water demand management.*

Not clear: communities in title

GOBABEB September, 2000

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Funding for the following:

- a) Preparations and conference activities (accommodation, food and tours);
- b) Publication of **proceedings**;
- b) Participation of some participants from developing countries;
- c) Establishment of permanent display site for energy supply and water desalination tools by the participants.

Preparations and advertisement:

- a) Develop interactive website for information dissemination, application for **participation, registration and submission of presentations**.
- b) Presentations to be **published in special editions of the Namib Bulletin and The Journal of Aridland Studies**.
- c) Advertise the **conference Globally at all desalination and energy supply workshops and conferences**.
- d) Arrange for **free boat trip and lodging at Swakop hotel**

Presentations:

Day 1(Morning): Opening

- a) Welcoming speech (Mary and JVA representative e.g., Mbumba N)
- b) Opening speech (Namibian president or minister- MAWRD or MM&E)
- c) speech by SADC-ELMS or Energy sector's Representative
- d) Refreshments, and participants introduce themselves

Day 1(Afternoon): Presentation of displays

- a) Detailed station tour
- b) Presentation of displays by participants
- c) Presentation of Gobabeb AT centre (Mary and Charlie)
Centre's Aims & Objectives, AT, and conference & participants contributions.
- d) Sun-downer

Day 2 (morning): Introduction

- a) Introduction of proceedings (Mary? Janet? Arthur?)
Aims and Objectives, work schedules, general activities and others.
- b) Arid Land overview (Mary and another desert expert)
Establishment of Desert environments, relevant Climatology, stability, history of water & energy investigations in Desert environments etc.

Day 2 (afternoon): presentation of Country papers

- a) The Namibian experience (Charlie, Joh, B vd M and Buckle, Piet Heyns or Roland R, Namwater, Nampower and a farmers' or NGO representative)
(Energy systems, desalination, fog harvesting, artificial recharge and Water Demand Management)
- b) The South African experience
(Sanderson and Goldie, CSIR or WRC, Guy Preston?)
- c) Visit Topnaar Village's water supply & energy schemes

Day 3 (Morning & Afternoon): Presentation of country papers

- a) Country papers

Day 4 (Morning): presentations by energy & desalination companies

- a) National companies,
- b) Regional (MWD, Zimbabwe PV, Cape Technicon and others)
- c) International (SEI- Sweden and others)

Day 4 (Afternoon)

- a) General discussion, over tea
- b) Introduction of familiarisation tour- "excursion"
- b) Sun-downer (elsewhere- Homeb? Natab lookout? Salt spring? Nara Valley?)

Day 5 - 7: Excursion

A 2 days' tour of Walvis Bay and Swakopmund

(Walvis Bay fishing harbour and sea- evening boat-trip, Swakopmund- Namwater's desalination and DWA's artificial recharge works).

Day 5 (Late morning)

Travel to Walvis Bay

Day 5 (Afternoon)

- a) Lunch and presentation (by Walvis Bay Municipality?)
- b) Visit Salt Works and Lagoon (Municipality and Kieth Wearne)
- c) Travel to Swakopmund

Day 6 (*Morning*)

- a) Visit Desalination works (guided by DWA and Nawater)

Day 6 (*Afternoon*)

- a) Visit artificial recharge site (DWA- Harold Koch)
- b) Tour Swakopmund

Day 7 (*Morning*)

- a) Free morning in Swakopmund (shopping, tourism etc.).
- b) Return to Walvis Bay for an evening Boat trip (Fisheries or private company)
- c) Return to Gobabeb (Late evening)

Day 8 (*Morning*): *Conference ends*

- a) Overview and closure of Conference activities (Mary and MAWRD rep).
- b) Closing remarks, questions and suggestions by Participants
- c) Closing statement (some enlightened, high-ranking smooth-talker?)

Day 8 (*Afternoon*)

Participants depart