

Workshop:
Sustainable and Energy Efficient Building in Africa.
DME's energy efficiency and renewable energy targets: Addressing South Africa's energy crisis through built environment interventions

3 - 4 October, 2006

Venue: Development Bank of Southern Africa (DBSA), 1258 Lever Road, Headway Hill, Midrand, South Africa

Side event: Industry Exhibition

DAY 1: TUESDAY OCTOBER 3: 2006

08:30 – 09:15	Arrival, Registration and Exhibitions	
	SESSION 1	CHAIR: Prof. Alan Mabin , Head, School of Architecture and Planning, WITS
09:15 – 09:20	Preliminaries	Dr. Patrick Karani , DBSA
09:20 – 09:25	PREA-Overview	Prof. Mueller , PREA, Project Co-ordinator, UDOKA
09:25 – 09:45	Welcome and opening address	Dr. Snowy Khoza , Executive Manager, Knowledge Management, DBSA
09:45 – 10:15	Keynote Presentation: DME's energy efficiency and renewable energy targets in context of rural and urban development	Dr. Elsa du Toit , Director; Energy Efficiency and Environment, DME
10:15 – 10:30	Questions, answers, discussion	Presenters/Participants
10:30 – 11:15	Tea Break and Exhibitions	
	SESSION 2	CHAIR: Prof: Mueller , UDOKA
11:15 – 11:50	Role of National Energy Efficiency Agency (NEEA) in relation to the built environment	Mr. Barry Bredenkamp , CEO, NEEA
11:50 – 12:25	Renewable energy resources	Prof. D Holm , Secretary, International Solar Energy Society (ISES)
12:25 – 12:45	Questions, answers, discussion	Presenters/Participants
12:45 – 14:00	Lunch Break and Exhibitions	
	SESSION 3	CHAIR: Mr. Gerry Joubert , TUT
14:00 – 14:35	White Paper for Developing Countries: Best practice in supportive policy and financing (international experience)	Prof. D. Holm , Secretary, ISES
14:35 – 15:10	Thermal influence on micro- and building climate in tropical regions	Dr. M.N. Assimakopoulou , University of Athens, UoA , Greece
15:10 – 15:30	Questions, answers, discussion	Presenters/Participants
15:30 – 16:15	Tea Break and Exhibitions	

	SESSION 4	CHAIR: Prof: Mark Swilling, US
16:15 – 16:45	Current status in application of light emitting diodes (LED) lamps as an energy efficiency strategy in lighting	Mr. Luc Escoute , Philips South Africa (Pty) Ltd
16:45 – 17:15	Emission trading: Funding for renewable energies in Africa	Prof. H. Mueller , UDOKA
17:15 – 17:30	Questions, answers, discussion: Closing Remarks	Presenters/Participants
17:30 – 18:00	INTERVAL	
18:00 – 20:00	Cocktail and exhibition/poster displays	Prof. T. Z. Mthembu , University of the Witwatersrand, WITS, Partnerships

DAY 2: OCTOBER 4, 2006

08:00 – 08:45	Arrival, One-Day Registrations and Exhibitions	
	SESSION 4	CHAIR: Mr. Vusi Shongwe, UJ
08:45 – 08:50	Welcome and overview of previous session	Dr. D. Irurah : WITS
08:50 – 09:20	Examples of energy efficient architecture and housing (international experience from developing and developed countries)	Prof. H. Mueller , University of Dortmund, UDOKA; Mr. K. Byabato , University of Dar es Salaam, UDSM; Tanzania,
09:20 – 09:50	Best practice example in South Africa: Learning from BP Headquarters, Cape Town	Mr. Eric Noir , Green by Design Architects (confirmed)
09:50 – 10:20	Best practice example in Uganda	Mr. Mark Olweny , UMU
10:20 – 10:40	Questions, answers, discussion	Presenters/Participants
10:40 – 11:10	Tea Break and Exhibitions	
	SESSION 5	CHAIR: Dr. Heide Schuster, UDOKA
11:10 – 11:40	Best practice example in Tanzania: Building design for a development project in Tanzania, Mantemanga	Dr. L. Mosh a, UDSM
11:40 – 12:10	Training and postgraduate education: DST-Chair in postgraduate studies in renewable energy: The built environment component	Prof. Mark Swilling , University of Stellenbosch
12:10 – 12:45	International experience in postgraduate and mid-career training and research - IREB (Integration of Renewable Energies in Buildings)	Axel Jacobs , London Metropolitan University, LMU
12:45 – 13:00	Questions, answers, discussion	Presenters/Participants
13:00 – 14:00	Lunch Break and Exhibitions	

	SESSION 6	CHAIR: Dr. Daniel Irurah
14:00 – 14:30	Preliminaries on Action/Synergy-Consultation Session	
14:30 – 15:45	Action/Synergy-Consultation sessions on: (1) Property development and finance, (2) Professional practice, (3) Training and postgraduate studies, (4) Municipal needs and capacity (5) Industry and market for technologies, <i>(Detailed programme/facilitators to be provided on Day 1)</i>	Participants; co-ordinated by WITS 1) Johan Vorster, Arxus Architects 2) Brian Wallis, SAIA 3) Prof. Mark Swilling, US 4) Mr. Seana Nkhakhle, SACN 5) Mr. Luc Escoute, Philips SA
15:45 – 16:15	Tea Break	
16:15 – 17:15	Consultations feedback consolidation in plenary (10- minutes per group)	
17:15 – 17:45	Closing remarks and Certificates	Dr. Patrick Karani, Environmental Strategist, DBSA (confirmed)