

The User and the GEOSS Architecture II - Applications for Africa

**A scientific workshop to explore developments and implications of the
Global Earth Observation System of Systems
Organised as a pre-conference workshop in association with AFRICA GIS 2005
CSIR International Convention Centre, Tshwane, 28 – 29 October 2005
Draft Programme (Ver 7.0)**

Day 1: Saturday 29 October, 2005

Moderators: Dr Jay Pearlman, IEEE GRSS and (Representative DST, South Africa)

Time	Topic	Speaker	Remark
	SESSION 1: Opening		
13:00	Welcome and opening	Representative from Department of Science and Technology	Official host of the event
13:15	Workshop Introduction and Objectives	Dr Jay Pearlman, Co-Chair	
13:30	GEO/GEOSS background	Dr Bob Scholes, South Africa	
	SESSION 2A: The User Perspective of GEOSS – water/drought applications		
14:10	Water/Drought Application 1	Sharon Gomez, Zimbabwe	
14:30	Case Study of Lagos Island Storm Surge and Flood Hazard	Massaer Mbaye, Nigeria	
14:50	Questions and discussion		
15:00	REFRESHMENT BREAK		
	SESSION 2B: The User Perspective of GEOSS – disaster management applications		
15:30	Disaster Application 1 A Review of the Current Status of Disaster Preparedness and Management in Africa	Wilber Ottichilo, Nairobi, Kenya	
15:50	Disaster Application 2 Real time fire monitoring for power transmission integrity	Hein Vosloo, Eskom South Africa	
16:10	Disaster – flooding	TBD	
16:10	Questions and discussion		
	SESSION 3A: GEOSS Architecture		
16:20	Architecture Overview	TBD	
16h40	Questions and discussion		
16:50	Closing remarks	DST?	
17:00	"Walk in the Park" – stroll in CSIR gardens		
	RECEPTION AND SNACKS/COCKTAILS		
17:30 – 19:30	Official welcome to South Africa by senior representative from the Department of Science and Technology GEOSS desk Official reply: Mr Charles Luther, Immediate past President IEEE GRSS		

Sunday 30 October 2005

Moderators: Prof Harold Annegarn and Mr. Charles Luther

Time	Topic	Speaker	Remarks
8:30	Welcome and opening	Harold	
8:40	Water/Drought Application 3 Early Warning System on Drought and Flood Security in the Greater Horn of Africa	Erik Khamala, Nairobi, Kenya	
9:00	Disaster Application 3 Space based data streams and needs for developing country natural disasters	Dr Dusan Sakulski, United Nations Univ, Bonn, Germany	
Breakout Session 1			
9:20	Charter to Breakout Groups	Prof. Ian Dowman	
9:30	Breakout session 1 – User issues What are the benefits, needs and concerns for GEOSS from a User Perspective	Woldai (lead) /Clarke	Woldai confirmed
REFRESHMENT BREAK			
10:20			
10:45	Report of Breakouts		
SESSION 3B: GEOSS Architecture (continued)			
11:15	Architecture: Thoughts for Implementation	Andrew Terhorst, Meraka Institute, CSIR, South Africa	
11:45	Architecture Demonstration	OGC supported demonstration	
LUNCH BREAK			
12:15			
13:30	Application of the Architecture- lecture & demo <i>Systems integration and interfacing to the user – from data to delivery</i>	Dr Alex Fortescue, Satellite Mapping Agency, Pretoria, South Africa	
13:50	Thoughts on Architecture – a group discussion with question and answers	TBD (Panel?)	
14:15	Communities of Practice – UI presentation	TBD	
Breakout Session 2			
15:00	Breakout Session 2 Charter	Prof. Ian Dowman	
15:10	Breakout session 2 – Steps forward User Recommendations for GEOSS	Tea and coffee during break out Ottichilo (lead)/Fortesque	
16:20	Report of Breakouts		
SESSION 4: Closing			
16:45	Workshop Summary	Jay Pearlman/Guy	
17:00	End		
EVENING ENTERTAINMENT			
	AFRICA GIS 2005 Ice Breaker		

Chairs:

Breakout chairs and rapporteurs :

RESERVE SPEAKERS: Dr Susan Ringrose, Deputy Director, Okavango Research Centre (expertise in remote sensing, hydrology, river systems of southern Africa, colleague of Melba Crawford.