

DETAILED FINAL PROGRAMME

KEYNOTE SPEECHS

	Surname, Name	Institution	location	Title of presentation	Other Authors
1	PELLIKKA, Petri	Helsinki University	Helsinki	Remote sensing challenges in land cover and land use change detection in East Africa	
2	LATHAM, John	FAO,	Rome	Global Earth Observation and Standards overview	

SESSION I – Resource Base Inventory

CHAIR: Dr. Tesfaye Korme (RCMRD)

N	Surname, Name	Institution	location	Title of presentation	Other Authors
3	GICHEHA, R.W.	RCMRD	Nairobi	Land use/cover Mapping and Boundary Delineation of Plantations and Indigenous Forests in Mount Kenya	Ottichilo Wilber , Farah Hussein O.
4	JONES, Arwyn	JRC	Ispra, Italy	Mapping the soil of Africa: new initiatives and preserving data resources	Montanarella Luca, Spaargaren Otto, Nachtergaele Freddy, Thiombiano Lamourdia & Zougmore Robert
5	MAYAKA, Edward	University of Nairobi	Nairobi	Use of ontology web language in remote sensing applications	
6	PARON, Paolo	SWALIM	Nairobi	Landform mapping for environmental applications: integration of visual image interpretation and digital terrain analysis.	Vargas Rojas Ronald
7	VARGAS ROJAS, Ronald	SWALIM	Nairobi	The use of Remote Sensing for soil mapping: a review	Omuto Christian
8	WATSON, Murray	RMR	Vientiane , Laos	The Evolution of Aerial Strip Sampling into the Digital Era: Adaptations over 40 Years and Contemporary Relevance to the Horn of Africa, and in particular to Somalia.	Nimmo J.M., Crees P.D.
9	WILSON, Mick	UNEP	Nairobi	Open web services and SDIs	

SESSION 2 – Assessing Environmental Change

CHAIR: Dr. John S. Latham (FAO)

N	Surname, Name	Institution	location	Title of presentation	Other Authors
10	BRINK, Andreas	JRC	Ispra, Italy	Monitoring Land Cover Dynamics in Sub-Saharan Africa	Eva Hugh, Simonetti Dario, Bartholomé Etienne, Mayaux Philippe
11	MWANGUDZA, Anthony	ASI	Rome & Malindi	The Broglio Space Centre's Contribution of Remotely Sensed Data for Environmental Change Monitoring in the Horn of Africa Region. Institutional partnership and Challenges in Data Acquisition and Distribution.	Castronuovo Marco, Mwinga Juma, Nguli Michael, Kirugara David, Ndugu Jane , Anangwe Byron
12	WARUINGI, Lucy Chege	ACC	Nairobi	Integration of Remote Sensing and GIS for mapping community rangelands	
13	GALU, Gideon	FEWSNET	Nairobi	Case-Study: Use of satellite remotely sensed data integrated with the livelihood baseline information in support of food security monitoring and early warning activities in the Sool & Nugaal pastoral region of Somalia.	Aw-Dahir Mohamed

14	GILBERT, Ouma	IGAD-ICPAC	Nairobi	The use of Remote Sensing information as proxy of weather and climate in the Greater horn of Africa.	
15	HOEPFFNER, Nicolas	JRC	Ispra, Italy	The African Marine Information System: a tool for ecosystem management in coastal waters	Clerici Marco, and Djavidnia Samuel
16	ODUORI, Simon Mumuli	SWALIM	Nairobi	The Use of Remote Sensing in Land Cover Mapping, Change and Impact Detection in Somalia	Vargas Rojas Ronald , Oroda Ambrose and Omuto Christian
17	NYABENGE, Meshack	ICRAF	Nairobi	The Key Challenges in Application of GIS and Remote Sensing in Environmental Variables Change Analysis in the Horn of Africa Region. Are we capturing the right indicators of change?	Wayumba G, Inima A, Omuto C.T
18	ORODA, Ambrose	SWALIM	Nairobi	Application of Remote Sensing in the assessment of Pastoral Resources: Assessing droughts in Somalia	Vargas Roja Ronald, Oduori Simon Mumuli, and Omuto Christian
19	WATSON, Murray	RMR	Vientiane, Laos	Monitoring Vegetation Change in Somalia by Fixed Plots: Opportunities Offered by New Methods in Remote Sensing.	Watson S.P., Nimmo J.M., Watson A.

SESSION 3 – Process modelling

CHAIR: Dr. Arwyn Jones (JRC)

N	Surname, Name	Institution	location	Title of presentation	Other Authors
20	MUTIE, Simon	SWALIM	Nairobi	Impacts of land cover and land use changes on stream flow; a case study from the Nile Basin	Gadain, Hussein, Guleid Artan
21	GIDYELEW, Taye	CGIAR - ILRI	Addis Abbaba	Land degradation and Change detection of biophysical products in different land use types Using Multi Temporal SPOT NDVI Image Data: a Case in Blue Nile River Basin, ETHIOPIA	
22	KORME, Tesfaye	RCMRD	Nairobi	Mapping of groundwater vulnerability to pollution using modified DRASTIC modeling: The case of Naivasha- Nakuru basin, Kenyan Rift	Ottichilo Wilber, Barongo Justus and Alamirew Demis
23	LEO, Olivier	JRC	Ispra, Italy	Crop monitoring for Food Security – Contribution of Remote-Sensing and challenges for the future	
24	MAINA, Joseph	ITC	Enschede, Holland	Modelling Ecological Susceptibility of Coral Reefs to Environmental Stress Using Remote Sensing, GIS, and in situ Observations: A case study in the Western Indian Ocean	
25	ODHIAMBO, J.O	University of Nairobi	Nairobi	Predicting and mapping biomass using remote sensing and GIS techniques: a case study of sugarcane	Wayumba G., Inima A. and Omuto C.
26	VON HAGEN, Craig	SWALIM / GLCN	Nairobi	Processing of MODIS NDVI imagery to characterize Vegetation Dynamics of Africover polygons (VeDAS)	
27	ARABU, Evans	Univ of Nairobi	Nairobi	Estimation of soil erosion using GIS: a case study of Taita Hills.	
28	GADAIN, Hussein	SWALIM	Nairobi	Preliminary validation of NOAA CPC satellite derived RFE	Muchiri Peris, Muthusi Flavian

SESSION 4 – Discussion & Conclusions

CHAIR: Prof. Petri Pellikka (Helsinki University)