

RCMRD INTERNATIONAL CONFERENCE 2018

Conference Programme

#RIC2018

15th - 17th August 2018











RCMRD INTERNATIONAL CONFERENCE 2018 Day I: Wednesday, 15-August-2018 TIME **AGENDA ITEM MODERATORS VENUE** 07:30 - 09:00 **Stella**/ Elizabeth/ Lucy /Grace / Plenary Tent **REGISTRATION** lacinta / Rose/ Ushers 09:00 - 09:45 **Participating Institutions** Byron / J.B. Kiema Plenary Tent **OPENING CEREMONY** Digital Globe National Aeronautics and **Rapporteurs** Welcome notes from Space Administration (NASAinvited Guests Lilian / David / Sande / Jacinta USA) USAID Kenya Director General RCMRD Ambassadors from RCMRD Member States Government of Kenya Chief Guest - RCMRD Governing Council 09:45 - 10.30**Key Note Speaker I:** Nicholas Ozor Byron Anangwe Plenary Tent Science Policy Linkage African Technology Policy Studies

Rapporteurs

Byron Anangwe

Booth Attendants

Lilian / David / Sande / Jacinta

Eunice, Lawrence, Eva & Masatu

Plenary Tent

Exhibition Booth

Network (ATPS)

LAUNCH OF RCMRD eLEARNING PLATFORM

TEA BREAK & EXHIBITION / POSTERS

10:30 - 10:35

10:35 – 11:30

11:30 – 13:00	PLENARY SESSION:	Participating institutions	Moderator	Plenary Tent
11:30 – 13:00	Main Topic: Science Policy Linkage	 Digital Globe Amazon Web Services The Kenya Institute for Public Policy Research and Analysis LECRD(Low Emission and Climate Resilient Development) Ministry of Energy and mineral development Uganda Ministry of Health - UK Rwanda Land Management and Use Authority Conservation International Locate It Ministry of Water and sanitation - Kenya 	Nicholas Ozor Rapporteurs Lilian / David / Sande / Jacinta	rienary Tent
13:00 – 14:00	LUNCH BREAK			
		PARALLEL SESSION	S - PRESENTATIONS	
14:00 – 16:30	Agriculture and Food Security	Land Use Land Cover and Ecosystems	Weather, Climate, Water & Hydro Climatic Disasters	Cross Cutting and Land Surveying & Management
	Venue: Room I Moderator: Thierry / Degelo Facilitators: James / Steve Rapporteurs: Sande / Lilian	Venue: Room 2 Moderator: Kim / Muya Facilitators: Malachi / Oware Rapporteurs: Jacinta/ Makanga	Venue: Room 3 Moderator: Ron/ Mugo Facilitators: Denis / Tony Rapporteurs: Grace / Abdi	Venue: Plenary Tent Moderator: Esther/ Mtaroni Facilitators: David / Mordecai Rapporteurs: lan /Patrick

16:30 – 17:00	TEA BREAK & EXHIBITION	I / POSTERS		
16:30 – 17:00	Productivity and Agricultural Commercialization • AFS007: Modelling Large-Scale Smart Coffee Agriculture and Environmental Factors Suitability Zones in Maraba, Rwanda • AFS008: Crop Suitability Modelling For Agricultural Productivity • AFS010: Integrated Sentinel 2 Optical and Sentinel I Radar Images For Mapping Of Rice Crop in Fogera Wereda, Ethiopia • LMS006: Land based data platforms, applications, progress and improvements for decision making	 in Kenya LULC008: Economic valuation of Mabira forest in Uganda: a contingent valuation method LULC010: Land cover change and urban growth prediction of the coastal city of Lagos, Nigeria using the Land Change Modeler LULC020: Mapping threatened tree species using WorldView-2 data and advanced machines leaning classification algorithms, KwaZulu-Natal, South Africa LUCL022: Beyond Biodiversity - Using Geo-information to Drive Conservation and Development Decision Making 	of Rainfall and Flood Frequency: The Case of Hare Watershed, Ethiopia WC006: The influence of calibration data on Empirical- Statistical Downscaling of temperature projections for Tanzania WRD002: Responses of evapotranspiration to climate and land use changes in the Lake Naivasha Basin, Kenya WRD010: Seismic Risk Awareness and Emergency Preparedness in Zimbabwe: A case study of Harare Metropolitan City WRD012: An Analysis of Landslides Hotspots in Phalombe, Malawi	and Remote Sensing in the Development of Conservancy Management Plans: A case Study of Mara-Siana Conservancy. CR012: Bringing Together and Building the Next Generation of Space Scientists and Policy Makers CR015: Spatial Equity in Devolved Healthcare: Does Proximity Translate to Improved Local Utilizations of Maternal Healthcare CR020: The Developmental and Security Impacts of Land Use Conflict between Farmers and Pastoralist in South Sudan CR025: Stop-and-Go UAV Positioning In GNSS Denied Environments: Overhead Electrical Transmission Line Design
	* AFS006: Data Driven Agriculture for Increased	LULC003: Using Collect Earth to Assess and Monitor Forest Cover	• WC001: Evaluation of Climate Change Impact on the Magnitude	Geographic Information System
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| RCMRD INTERNATIONAL CONFERENCE 2018 |                                                            |                                                                                                                                                                                                                                                                                                 |                                                                         |                    |  |  |  |
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|                                     | Day II: Thursday, 16-August-2018                           |                                                                                                                                                                                                                                                                                                 |                                                                         |                    |  |  |  |
| <b>TIME</b> 07:30 – 09:00           | AGENDA ITEM REGISTRATION                                   |                                                                                                                                                                                                                                                                                                 | MODERATORS  Stella/ Elizabeth/ Lau /Lucy /Grace/                        | VENUE Plenary Tent |  |  |  |
|                                     |                                                            |                                                                                                                                                                                                                                                                                                 | Rose                                                                    | ,                  |  |  |  |
| 09:00 – 09.30                       | Key Note Speaker II:<br>Sustainable Development Goals      | Etta D. Jackson The Institute for Conscious Global Change (ICGC)                                                                                                                                                                                                                                | Jacinta - ESRI EA   Rapporteurs   Lilian / David / Sande / Jacinta      | Plenary Tent       |  |  |  |
|                                     | Key Note Speaker III:<br>Power of data sharing             | Andre Laperriere Global open Data for Agriculture and Nutrition (GODAN)                                                                                                                                                                                                                         |                                                                         |                    |  |  |  |
| 09:30 – 10.30                       | PLENARY SESSION:  Main Topic: Sustainable Development Goal | Participating institutions  Barcelona Drone Centre  Trans African Hydro Meteorological Observatory  4-H  Umeme Uganda  Tanzania Meteorological Authority  Kenya National Highway Authority  Land Matrix initiative  Optron  Geospatial Society of Kenya  Kenya Meteorological Department  RCMRD | Moderator Etta D. Jackson  Rapporteurs Lilian / David / Sande / Jacinta | Plenary Tent       |  |  |  |

| 10:30 – 11:30 | TEA BREAK & EXHIBITION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | I / POSTERS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Booth Attendants                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Exhibition Booth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
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|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Eunice, Lawrence, Eva & Masatu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
|               | PARALLEL SESSIONS - PRESENTATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
|               | I. Agriculture and Food<br>Security                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2. Land Use Land Cover and Ecosystems                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3. Weather, Climate, Water & Hydro Climatic Disasters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4. Cross Cutting and Land Surveying & Management                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
|               | Venue: Room I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Venue: Room 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Venue: Room 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Venue: Plenary Tent                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
|               | <b>Moderator:</b> Thierry / Degelo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Moderator: Esther / Muya                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Moderator: Ron/ Mugo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Moderator: Kim/ Vincent                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
|               | Facilitators: James / Albert                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Facilitators: Malachi / Sakwa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Facilitators: Denis / Tony                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Facilitators: David / Mordecai                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
|               | Rapporteurs: Sande / Lilian                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Rapporteurs: Jacinta/ Makanga                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Rapporteurs: Grace / Abdi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Rapporteurs: lan /Patrick                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
|               | <ul> <li>AFS002: Planting With First         Effective Rains a Hidden         Potential in Rainfed Production         in Hwedza, Zimbabwe</li> <li>AFS005: Empirically Based         Spatial Prioritization: Mapping         where Child Nutrition is most         affected by Local Environmental         Conditions</li> <li>AFS011: Object Based Image         Analysis for Irrigated Area         Mapping Using Sentinel Satellite         Images in Blue Nile Basin,         Ethiopia</li> <li>AFS015: Temporal Analysis of         C-Band Radar Signature to         Estimate Agricultural Areas in         Senegal.</li> <li>LMS002: Strengthening         capacity for land governance         performance monitoring and         link to SDGs</li> </ul> | <ul> <li>LULC001: Can Science be integrated in daily Management of MPAs in the Western Indian Ocean Region</li> <li>LULC004: Development of a Web Based Map Catalogue System for KeNHA</li> <li>LULC006: Optimizing Mine Planning: Applying the Integrative Power of Spatial Models and System Dynamics under Divergent Land Use Scenarios</li> <li>LULC016: Land Cover Change Mapping Under the System for Land Based Emissions Estimation in Kenya (SLEEK)</li> <li>LULC018: Integrating topographic factors with Sentinel-2 MSI data to map and predict C3 Festuca and coexisting C4 grass species distribution in Fort Nottingham commonage</li> </ul> | <ul> <li>WC002: Enhanced Climate change Resilience and Improved Livelihoods of Vulnerable Rural Communities Migori County, Kenya</li> <li>WC008: Remote sensing based retrieval of Local Climate Zones and their link with land surface temperature in Harare metropolitan city, Zimbabwe</li> <li>WRD004: Predicting soil erosion and sediment yield assessment using the EPM models: The case of Imini, Elmaleh and Ounilla river catchment</li> <li>WRD007: Unlocking the potential of Rwanda Nyabarongo urban wetland through the effective management practices</li> <li>WRD009: Regional monitoring of irrigation and water uptake in Desert areas</li> <li>WRD013: Unmanned Aerial</li> </ul> | <ul> <li>CR002: Assessing the Impact of Urbanization on Green Space Cooling Intensity in Kampala Metropolitan Area</li> <li>CR004: Urban Sprawl Mapping and Land use Change Detection Using Spatial Metrics Method: A Case Study of Addis Ababa City and Its Surrounding Areas, Ethiopia</li> <li>CR007: Health risk evaluation of heavy metals in water within and around the Kpawara River in Bétaré-Oya mining district, East Cameroon</li> <li>CR014: Application of GIS in Customer Survey Processes in Umeme</li> <li>CR016: Digital Urban Mapping of Mombasa County</li> <li>CR023: Identifying urban neighborhood type in satellite</li> </ul> |  |

|               | ■ LMS003: A methodology for incorporation of customary tenure into the formal Land Administration System (LAS) in Kenya.                                                                                                                                                                                                                                                                                                                                                    | ■ LULC019: Application of Space<br>Technology to Estimate the Area<br>under Tea (Hectares) in Kenya                                                                                                                                                                                                                                                                                                                                                                                                 | Application in Disaster<br>Management in Kenya; A Case<br>Study of the Lower Tana and Athi<br>River Basins                                                                                                                                                                                                                                                                                                                                                         | neural networks in a developing<br>country setting                                                                                                                                                                                                                                                                                                                                      |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               | 5. DEVELOPER SESSION: Venue: Room 4 Moderator: Kennedy Ng'ang'a Facilitators: Steve/ Hillary Rapporteurs: Oware                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <ul> <li>Safi Analytics: Yield prediction u</li> <li>Life in GIS: SpatiaLite Database:</li> </ul>                                                                                                                                                                                                                                                                                                                                                                  | • .                                                                                                                                                                                                                                                                                                                                                                                     |
| 13:00 – 14:00 | LUNCH BREAK                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                         |
| 14:00 – 16:30 | I. Agriculture and Food<br>Security                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2. Land Use Land Cover and Ecosystems                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3. Weather, Climate, Water & Hydro Climatic Disasters                                                                                                                                                                                                                                                                                                                                                                                                              | 4. Cross Cutting and Land Surveying & Management                                                                                                                                                                                                                                                                                                                                        |
|               | Venue: Room I Moderator: Thierry / Degelo Facilitators: James / Albert Rapporteurs: Sande / Lilian  - AFS001: Practices and perceptions of pesticide use in tropical wetlands: an assessment from the Nyabarongo lower catchment in Kigali, Rwanda - AFS003: Validation of remote sensed data (WRSI and cNDVI) using FAO Aqua crop model a need for crop monitoring in Zimbabwe - AFS004: Evaluation of suitability of Loitikipi Aquifer for Agricultural project using GIS | Venue: Room 2 Moderator: Esther / Muya Facilitators: Malachi / Sakwa Rapporteurs: Jacinta/ Makanga  LULC002: New ways for analyzing economic impact of investments in sustainable land use Using Satellite Imagery to Assess Impacts of Soil and Water Conservation Measures: Evidence from Ethiopia's Tana Beles Watershed LULC005: Monitoring the spatiotemporal variations of C3/C4 grass species using multispectral remote sensing LULC013: Application of Collect Earth and Remote Sensing In | Venue: Room 3 Moderator: Ron/ Mugo Facilitators: Denis / Tony Rapporteurs: Grace / Abdi  WC003: Reducing Drought Risk through Minimizing Post harvest losses, 2018 WC005: Evaluation of rainfall simulations over Uganda in CORDEX Regional Climate Models WC009: Aerosol Optical Depth Pathways and Sources; Lake Victoria Basin WRD006: Use of remotely sensed satellite data (MODIS) to assist in Flood monitoring and damage assessment: A case study of areas | Venue: Plenary Tent Moderator: Kim/ Vincent Facilitators: David / Mordecai Rapporteurs: lan /Patrick  CR001: Geospatial Analysis of the Electricity Distribution Network in Central and Eastern Uganda by the Ministry of Energy  CR003: Analysis of Lead, Copper and Cadmium Concentration in the Soil of Anka, Zamfara State, Nigeria  CR005: Ethiopian Geospatial Information Agency |

|               | and Remote Sensing in Turkana         | Forest Carbon Stock Estimation    | around Mai Mahiu_ Suswa Section,                    | ■ CR013: Fate Of Remnant            |
|---------------|---------------------------------------|-----------------------------------|-----------------------------------------------------|-------------------------------------|
| 1             | County, Kenya                         | and Land Use Land Cover           | Kenya.                                              | Natural Patches in Cities: The      |
|               | ■ <b>AFS009:</b> In-season Maize Crop | Changes in Mau Forest Narok       | ■ WRD007: Unlocking the Potential                   | Case of Kampala Region              |
|               | Monitoring with Radar Satellites-     | County, Kenya                     | of Rwanda Nyabarongo Urban                          |                                     |
|               | case study of Endebess, Kenya         | LULC017: Integrating Landsat      | Wetland Through the Effective                       | ■ CR017: Optimal Location of        |
|               | ■ LMS004: New ways for                | and R Shiny for Land Cover        | Management practices                                | Health Facilities                   |
|               | streamlining tenure                   | Change Analysis along the Coastal | ■ WRD008: Rapid Flood Mapping                       |                                     |
|               | regularization and improving          | Shores of Kwale County, Kenya     | using Sentinel-1 SAR C for                          | ■ CR022: An open source web GIS     |
|               | property tax collection using         | LULC021: Land Use and Land        | Emergency Response.                                 | tool for analysis and visualization |
|               | satellite imagery:                    | Cover Changes Assessment in       |                                                     | of elephant GPS telemetry data,     |
|               | ■ LMS005: Impact of Spatial           | Muranga County Using Collect      |                                                     | alongside environmental and         |
|               | Transactions on Land Transfer         | Earth and High Resolution Images  |                                                     | anthropogenic variables             |
|               | Boost In Rwanda                       |                                   |                                                     |                                     |
|               | 5. DEVELOPER SESSION:                 |                                   | What's trending: Open Source 1                      | Tools, Web Mapping Platforms,       |
|               | Venue: Room 4                         |                                   | Useful libraries, Innovations, Mobile Computing etc |                                     |
|               | Moderator: Kennedy Ng'ang'a           |                                   |                                                     |                                     |
|               | Facilitators: Oware/ Hillary          |                                   |                                                     |                                     |
|               | Rapporteurs: Steve                    |                                   |                                                     |                                     |
|               |                                       |                                   |                                                     |                                     |
| 16:30 – 17:00 | TEA BREAK & EXHIBITION                | I / POSTERS                       |                                                     |                                     |

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| | RCMRD INTERNATIONAL CONFERENCE 2018 | | | | | | |
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| | Day III: Friday, 17-August-2018 | | | | | | |
| TIME | AGENDA ITEM | | MODERATORS | VENUE | | | |
| 07:30 – 09:00 | REGISTRATION | | Stella/ Elizabeth/ Lau /Lucy /Grace/
Jacinta/ Rose | Plenary Tent | | | |
| 09:00 – 09.20 | Key Note Speaker III: Role of Universities in Geospatial Technology Development Key Note Speaker III: Land Tenure and governance within IGAD region | Michael Gould The Institute for Conscious Global Change Esther Obaikol Land governance project (IGAD/LPI) | Robinson Mugo Rapporteurs Lilian / David / Sande / Jacinta | Plenary Tent | | | |
| 09:20 - 10.00 | PLENARY SESSION: Main Topic: Role of Universities in Geospatial Technology Development | Renyatta University Makerere University University of Kwazulu Natal Mekelle University University of Zimbabwe University of Nairobi Jomo Kenyatta University of Agriculture and Technology University of Malawi Jaramogi Oginga Odinga University of Science and Technology Taita Taveta University RCMRD | Moderator Michael Gould Rapporteurs Lilian / David / Sande / Jacinta | Plenary Tent | | | |
| 10:00 - 10.30 | LIGHTNING TALKS | - | Mubea / Wanjohi / Steve / Kibui | Plenary Tent | | | |

| | / POSTERS | Booth Attendants Eunice, Lawrence, Eva & Masatu | Plenary Tent | |
|--|---|--|--|--|
| PARALLEL SESSIONS - PRESENTATIONS | | | | |
| griculture & Food
ecurity and Land
urveying & Management | Land Use Land Cover and Ecosystems | Weather, Climate, Water & Hydro Climatic Disasters | Cross Cutting | |
| enue: Room I | Venue: Room 2 | Venue: Room 3 | Venue: Plenary Tent | |
| oderator: Thierry / Degelo | Moderator: Esther / Muya | Moderator: Ron/ Mugo | Moderator: Kim/ Vincent | |
| acilitators: James / Steve | Facilitators: Malachi / Oware | Facilitators: Denis / Tony | Facilitators: David / Mordecai | |
| apporteurs: Sande / Lilian | Rapporteurs: Jacinta/ Makanga | Rapporteurs: Grace / Abdi | Rapporteurs: Ian /Patrick | |
| AFS012: Application of remote sensing to assess and improve the level of homogeneity within the currently used agricultural area frames in Rwanda AFS013: Potentials and constraints of remote sensing application in crop health AFS014: Using factor analysis to categorize and map ecological variables influencing maize lethal necrosis disease in Bomet County, Kenya AFS016: Access the impact of GIS model on agricultural economics. (By GIS technology adoption) LMS001: Development of a Modern Digital Cadastral Model to Support General Boundary Systems in Kenya | LULC007: Forests, Fences, and Livelihoods: a case study of conservation in Kenya LULC009: Estimating vegetation phenology at 30m resolution with multi-temporal optical imagery for a rangeland site in Kenya LULC011: The fusion of freely available passive and active remote sensing imagery for invasive alien plant detection and mapping LULC012: Indicators and Drivers of Land Degradation in Makueni County. LULC014: An Assessment of Greenhouse Gases Emissions in Central Kenya using GOSAT Observations LULC015: Multi-sensor approach for mapping honeybee habitats in | WC004: Climate change Impacts on Tourism in East Africa WC007: Assessing Climate Change over Kenya in the 21st Century using MarkSim Statistical Downscaling Model WRD001: Comparative study on spatial variability of top soil moisture content and carbon stocks as influenced by land use types and soil and water conservation structures in Semi-arid highlands of Northern Ethiopia WRD003: Shoreline Detection in Lake Chamo, Ethiopia: A Comparison of Water Extraction Indices WRD005: Evaluation of Management Practices for Sustainability of Water Resources in Arror River Watershed, Kenya | CR006: Gaps in Institutional Interplay on Balancing Food Production and Environmental Protection in Wetlands of East Africa CR008: Assessment of Soil Organic Caron in Malawi CR009: GIS Technology in Automating Distribution Power Line and Asset Inspection in Umeme CR011: Building Cities' Biodiversity Portfolios: The Mapping of Urban Natural Assets for Resilience in Kampala, Uganda CR018: Cultural Factors Influencing Full Participation of Rural Women in Crop Farming In Kakelo Location, Homa Bay County | |
| e u e c a a A sett that A compa to e or B A G e a L W to | rveying & Management nue: Room I oderator: Thierry / Degelo cilitators: James / Steve pporteurs: Sande / Lilian FS012: Application of remote ensing to assess and improve ne level of homogeneity within ne currently used agricultural rea frames in Rwanda FS013: Potentials and constraints of remote sensing pplication in crop health FS014: Using factor analysis o categorize and map cological variables influencing naize lethal necrosis disease in omet County, Kenya FS016: Access the impact of all Smodel on agricultural conomics. (By GIS technology doption) MS001: Development of a Modern Digital Cadastral Model o Support General Boundary | Land Use Land Cover and Ecosystems Venue: Room I Oderator: Thierry / Degelo cilitators: James / Steve pporteurs: Sande / Lilian FS012: Application of remote ensing to assess and improve ne level of homogeneity within ne currently used agricultural rea frames in Rwanda FS013: Potentials and onstraints of remote sensing poplication in crop health FS014: Using factor analysis of categorize and map cological variables influencing naize lethal necrosis disease in omet County, Kenya FS016: Access the impact of IS model on agricultural conomics. (By GIS technology doption) MS001: Development of a Modern Digital Cadastral Model of Support General Boundary Land Use Land Cover and Ecosystems Venue: Room 2 Moderator: Esther / Muya Facilitators: Malachi / Oware Rapporteurs: Jacinta/ Makanga LULC007: Forests, Fences, and Livelihoods: a case study of conservation in Kenya LULC009: Estimating vegetation phenology at 30m resolution with multi-temporal optical imagery for a rangeland site in Kenya LULC011: The fusion of freely available passive and active remote sensing imagery for invasive alien plant detection and mapping LULC012: Indicators and Drivers of Land Degradation in Makueni County. LULC014: An Assessment of Greenhouse Gases Emissions in Central Kenya using GOSAT Observations LULC015: Multi-sensor approach | Land Use Land Cover and Ecosystems Weather, Climate, Water & Hydro Climatic Disasters Weather, Climate, Water & Hydro Climatic Disasters Venue: Room 1 Oderator: Thierry / Degelo cilitators: James / Steve pporteurs: Sande / Lilian FS012: Application of remote ensing to assess and improve fee level of homogeneity within the currently used agricultural rea frames in Rwanda postraints of remote sensing biplication in crop health polication in crop health polication in crop health cological variables influencing naize lethal necrosis disease in comet County, Kenya problem on agricultural conomics. (By GIS technology doption) MS001: Development of a Modern Digital Cadastral Model of Support General Boundary externs in Kenya LULC015: Multi-sensor approach for mapping honeybee habitats in heart of Arror River Watershed, Kenya LULC015: Multi-sensor approach for mapping honeybee habitats in heart of Arror River Watershed, Kenya Venue: Room 3 Moderator: Ron/ Mugo Facilitators: Denis / Tony Rapporteurs: Grace / Abdi Venue: Room 3 Moderator: Ron/ Mugo Facilitators: Denis / Tony Rapporteurs: Grace / Abdi Venue: Room 3 Moderator: Ron/ Mugo Facilitators: Denis / Tony Rapporteurs: Grace / Abdi Venue: Room 3 Moderator: Ron/ Mugo Facilitators: Denis / Tony Rapporteurs: Grace / Abdi Venue: Room 3 Moderator: Ron/ Mugo Facilitators: Denis / Tony Rapporteurs: Grace / Abdi Venue: Room 3 Moderator: Ron/ Mugo Facilitators: Denis / Tony Rapporteurs: Grace / Abdi Venue: Room 3 Moderator: Ron/ Mugo Facilitators: Denis / Tony Rapporteurs: Grace / Abdi Venue: Room 3 Moderator: Ron/ Mugo Facilitators: Denis / Tony Rapporteurs: Grace / Abdi Venue: Room 3 Moderator: Ron/ Mugo Facilitators: Denis / Tony Rapporteurs: Grace / Abdi Venue: Room 3 Moderator: Abdis Nealtimentary Venue: Room 3 M | |

| | ■ LMS007: Ministry of Local
Government and Chieftainship,
Department of Land
Management Lesotho | | | |
|---------------|--|--|--|--------------|
| 13:00 - 14:00 | LUNCH BREAK | | | |
| 14:00 — 15:00 | CLOSING CEREMONY | Participating Institutions Digital Globe National Aeronautics and Space Administration (NASA-USA) USAID Kenya Director General RCMRD Ambassadors from RCMRD Member States Government of Kenya Chief Guest - RCMRD Governing Council | Rapporteurs Lilian / David / Sande / Jacinta | Plenary Tent |