

Discovery Day 2017

Technology's contribution in improving tenure governance towards achieving the SDGs

Discovery Day 2017 is focused on technology's contribution to the implementation of the Voluntary Guidelines on the Responsible Governance of Tenure of Land, Fisheries and Forests in the Context of National Food Security and to address some of the world's most pressing tenure related issues, resulting from the negative impact of climate change, violent conflicts, mass migration, and growing urbanization. Bringing together speakers from the government, the private sector, FAO, World Bank, European Commission Joint Research Centre, the Discovery Day 2017 aims to demonstrate how technology could contribute to improving transparency, accountability, gender equality, increase public participation and minimize opportunities for corruption. Innovative solutions such as the use of very high resolution satellite imagery and imagery collected with drones, machine learning and crowdsourcing technologies will demonstrate how to deal with complex situations and achieve more with less resources and time. Serbia and the UK will share their experience in establishing Centers of Excellence to supporting government institutions to make the best use of available spatial data and technologies.

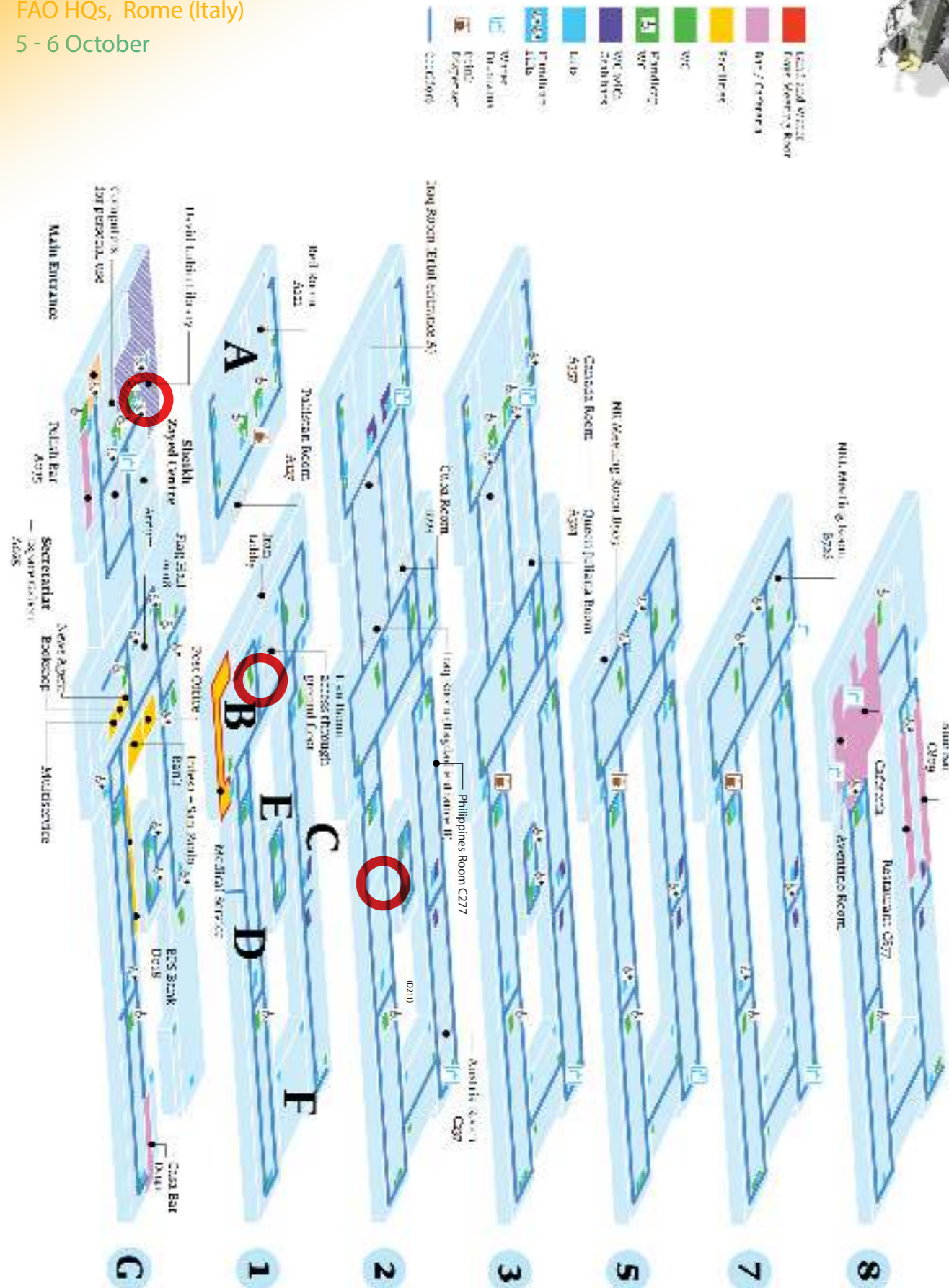
In addition, several round tables, focused on the specific country needs and opportunities will be organized with the panelists, aiming to prepare a short-term country action plan.

5 October
11.00 - 12.30
Sheikh Zayed Centre

Round tables: needs and opportunities

5 October
14.00 - 15.00 / Round table - Serbia
15.00 - 16.00 / Round table - Guyana
Nigeria room (C283)

6 October
9.30 - 10.30 / Round table - The Philippines
10.45 - 12.00 / Round table - Sierra Leone and Senegal
CIO Meeting Room (B126 bis)





Main session



5 October / **Sheikh Zayed Centre**

11.00 - 12.30

Opening remarks

Marcela Villarreal, Director, Partnerships and South-South Cooperation Division (DPS), FAO
Fredrik Zetterquist, Chair, Working Party on Land Administration, UNECE

Technology's contribution to improve tenure governance and deal with the world's most pressing issues towards achieving the SDGs - FAO experience

Rumyana Tonchovska, Senior Land Administration Officer, FAO

Innovative Technology: World Bank Perspective on Integration and Financing

The role of new technology and geospatial information for the land sector. World Bank analyses and developed tools: Guide for Emerging Technology, NSDI Diagnostic tool, Socio-economic benefits of investment in NSDI, and key partnerships.

Kathrine Kelm, Senior Land Administration Specialist, World Bank

European Union spatial data infrastructure and innovative land monitoring initiatives

The European Union experience in building a Pan European Spatial Data Infrastructure. Quick overview of Copernicus land services and new opportunities for land tenure and agricultural monitoring with Earth Observation data from the Sentinel sensors. Examples related to the European Common Agriculture Policy and monitoring large land transfers in Africa.

Felix Rembold, Joint Research Center, European Commission

How Satellite Imagery and Machine Learning can map and shape our understanding of the world

The ability to rapidly analyze large amounts of data together with the increase in data availability are bringing new users and creating innovative applications that a few years ago were not feasible. Use cases demonstrating how advanced machine learning and artificial intelligence (AI) can be used to map and shape our understanding of the world.

Iain MacInnes, Director, Major Accounts (Europe), DigitalGlobe

Satellite applications for achieving the SDGs - implementing change where people's needs are

Case studies and best practice in establishing sustainable satellite-enabled business models in the UK and internationally, including Centres of Excellence in support of public sector organisations

Elena Lobo, Senior Space Innovation Facilitator, UK Satellite Applications Catapult

NSDI and the Centre of Excellence for good governance and economic development of Serbia

NSDI further development and establishment of Centre of Excellence for GI management helping the government of Serbia to improve governance by making more informed decisions, mainstreaming business processes, promoting innovations and generating economic growth.

Jelena Matic-Varenica, Assistant Director, Republic Geodetic Authority, Republic of Serbia

Google Earth Engine, Collect Earth and Collect Mobile – new technologies to improve tenure governance

Danilo Mollicone, Forestry Officer, FAO

Questions/Answers/Closing Remarks

Round tables: needs and opportunities

5 October / **Nigeria room (C283)**

14.00 - 15.00

Serbia: Support to the Center of Excellence for Geospatial Information Management. Innovative approach for mass property valuation, based on Google Earth Engine, Collect Earth and Earth Mobile.

15.00 - 16.00

Guyana: Support to the Spatial Data Infrastructure, focusing on SDI Diagnostics, applications for land management, land tenure, land degradation and possibility to establish Center of Excellence.

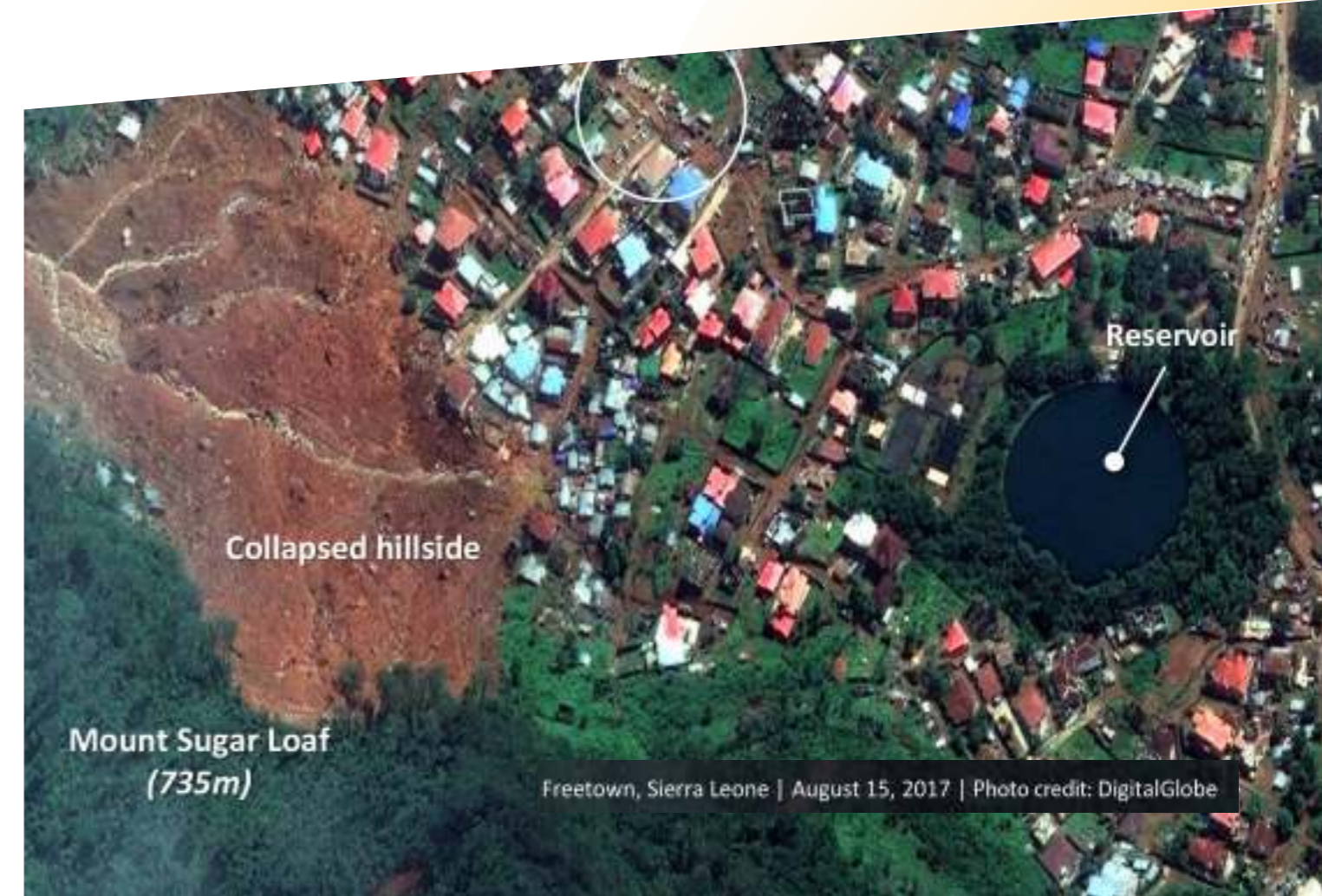
6 October / **CIO Meeting Room (B126 bis)**

9.30 - 10.30

The Philippines: Spatial Data Infrastructure for Integrated Land Management and Improved Tenure Governance.

10.45 - 12.00

Sierra Leone and Senegal: Technology contribution to improve tenure governance and deal with the most pressing issues.



Freetown, Sierra Leone | August 15, 2017 | Photo credit: DigitalGlobe