

AGRICULTURE, FORESTRY, AND OTHER LAND USE (AFOLU) CAPACITY TRAINING WORKSHOP

Land Cover for Climate - Collect Earth

Agenda

Centre de Suivi Ecologique, Dakar, Senegal

11-15, May 2015

Day 1 9:00- 18:00

- Introduction
- Opening Statement from Senegal – To be Determined
- The UNFCCC West Africa GHG Inventory Capacity-Building Project –Mr. Sabin Guendehou
- The USDOT/USAID: Land Cover for Climate project overview –Ms. Jean Parcher
- The FAO: Collect Earth/MAGHG – Ms. Jean Parcher for FAO

Tea Break

- IPCC guidelines for Land Use Land Use Change and Forestry – Sabin Guendehou
- Country presentations – Status of preparation of National Communications, BURs, with a focus on national GHG inventories for AFOLU: Burkina Faso, Cabo Verde, Senegal
 - Institutional Arrangements for AFOLU: Country Protocol
 - National land use classification in the context of International Processes (UNFCCC, FRA, FAOSTAT)
 - Priorities, activities and available datasets for AFOLU reporting
 - Status of Current AFOLU GHG Inventory and Gaps

12:30-14:00 Lunch Break

- Country presentations (cont.)

COLLECT EARTH:

- Overview of Collect Earth functionality and its supporting software (Google Earth, Bing Maps, Google Earth Engine, Saiku, etc) – Ms. Beverly Friesen
- Discussion regarding the national land use classification system and the IPCC land use assessment framework – Jean
- Refine the classification structure (if needed)

Day 2 9:00-18:00

- Begin visual guide to standardize interpretation of satellite imagery – Ms. Beverly Friesen
 - Select training sites for all land use subdivisions
 - Consolidate training sites into informative KML
 - Assign land use subdivision categories to teams
- Sampling theory and design – Mr. Michael Starbuck
- Hands-on training on Collect Earth + Bing Maps + Google Earth Engine –Ms. Beverly Friesen
 - Assess several plots collectively
 - Complete assigned points in pairs

12:30-14:00 Lunch Break

- Continue land use assessment in pairs – Mr. Michael Starbuck
 - Discuss difficulties with assessing land use
 - Compare results and document methodological decisions

Day 3 9:00- 18:00

- Complete land use assessment of a selected region – Ms. Beverly Friesen
 - Team presentations of land use assessments
 - Discuss difficulties with assessing land use (revisited) and document methodological decisions

12:30-14:00 Lunch Break

- Update the visual guide and assign additional categories to teams– Ms. Beverly Friesen
- Collect Earth data export options (XML, CSV, Fusion Table) and database backup procedure – Mr. Michael Starbuck

Day 4 9:00-18:00

- FAO MAGHG project: capacity development activities: Ms. Esther Martens, Mr. Paolo Prospero

Parallel Sessions for FAO and Collect Earth**FAO Parallel session**

- FAOSTAT Emissions database and national statistical processes: Ms. Esther Martens, Mr. Paolo Prospero
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12:30-14:00 Lunch Break

- FAOSTAT Emissions analysis tools and QA/QC processes: Ms. Esther Martens, Mr. Paolo Prospero

Collect Earth Parallel Session

- Hands-on training on Saiku – Mr. Michael Starbuck
 - Data visualization, sample queries, saving and opening queries
 - Saiku data exports for GHG estimation tools
 - Determine and prepare LULUCF analyses with Saiku in teams
- Demonstration of Earth Engine for wall-to-wall image analysis – Ms. Beverly Friesen
 - Google Fusion Tables
 - Supervised classification
- Discussion regarding data needs, recurring analytical processes, and quality control procedures – Ms. Adia Bey

12:30-14:00 Lunch Break**Collect Earth parallel session: Collect Earth review and demo of USGS tools for data acquisition**

- Review Collect Earth toolkit with volunteer presenter
- Finalize the visual guide with team input– Ms. Beverly Friesen
- Using GLOVIS and Earth Explorer to download USGS imagery and other datasets – Mr. Michael Starbuck

Collect Earth parallel session: Additional Tools

- Creating a grid for Collect Earth using QGIS

Day 5 9:00-17:00

Collect Earth parallel session: Saiku review and demo of additional data sources – Mr. Michael Starbuck and Ms. Beverly Friesen

- Participant presentations of Saiku analyses
- Discuss and demonstrate additional ancillary data for LULC – Ms. Beverly Friesen

Collect Earth parallel session: Additional tools – Ms. Adia Bey

- Modifying and translating Collect Earth customizations
- Develop customizations for each respective country

FAO parallel session

- Planning session for next steps with countries
 - Explore data gaps in national statistics and potential collaboration for the applications of a Tier 1 GHG inventory: Ms. Esther Martens, Mr. Paolo Prosperi
 - Explore steps for improvement and QA/QC processes: Ms. Esther Martens, Mr. Paolo Prosperi

12:30-14:00 Lunch Break

- Develop a plan for completing the AFOLU portion of the Burkina Faso, Cabo Verde and Senegal GHG Inventory
 - Country's role in completing the land use change statistics - Mr. Sabin Guendehou/Ms. Jean Parcher
 - Additional training and technical assistance needs for completing the land use change statistics
 - Timeline for completing the land use change statistics
 - Discussion on the use of FAOSTAT for QA/QC of the AFOLU data; QA/QC plan for AFOLU: Presentation of potential planning or potential collaboration with countries
- Workshop conclusion and presentation of Certificates—Senegal/Mr. Sabin Guendehou/Ms. Jean Parcher

Closure 17:00