Capacity Building Activities in Africa

WGCapD-9
March 10th - 12th, 2020
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Who is offering Earth observation training

✓ National and regional institutions
  ✓ Specialized training
  ✓ Introduction to remote sensing
  ✓ Meteorological applications
✓ Academic institutions
  ✓ Introduction to remote sensing
✓ UN organizations
  ✓ Specialized topics
  ✓ SDGs
✓ Collaborative projects
  ✓ Specialized Pre-conferences
Training Areas (Including requirements)

- Clouding processing
- Analysis Ready Data
- Data cube
- SAR
- SDGs
- Introduction to remote sensing for end users
African Regional Centre for Space Science and Technology Education - in French Language, CRASTE-LF, and University of Rabat in Morocco

Training on applications of **cloud computing** on Earth observation services

11-15 November 2019

Participants: 35 experts from 25 African Space institutions

Organizer: African Union Commission
South African National Space Agency

Introduction to Remote Sensing for Statistics South Africa

20-22 August 2019
Organized by: SANSA

Analysis Ready Data Training by PCI
30 September - 04 October 2019
Participants: Industry, government departments and research institutions

Analysis Ready Data Training by PCI
03-05 March 2020
Participants: SANSA Staff
South African National Space Agency

EO4SDGs Awareness
19-21 February 2020

Organizer: SANSA
Participants: Statistical offices: Malawi, eSwatini, Namibia, Botswana, Tanzania, Seychelles

Need for collaboration, partnership and focused training on the use of Earth observation data for SDG reporting, Data cube, image processing

Organizer: SANSA and AfriGEO
Topic: Land Degradation
Participants: professionals
South African National Space Agency

- Coordination and Promotion and of the use of EO in SDG reporting and spatial planning:
  SANSA, Line Departments, UN HABITAT, ..

- Disaster Management Workshops
  SANSA and National Disaster Management Centre
Three workshops: Zambia, Nigeria and Ivory Coast 2018-2019
Participants: 38 countries; statistical offices; data providers, line ministries

City definition?
UNESCO
Remote Sensing for Water Resources Management in Africa
International Training Course
January 2019

35 participants attended from a variety of institutions and African countries,

Topics: introduction to remote sensing, instruction on Digital Elevation Models (DEM) and hydrological analysis, land cover change analysis, multispectral indices, satellite precipitation estimation and introduction to networks and systems for integrated system for global real-time satellite precipitation observation.
GMES &AFRICA

Ocean remote sensing

Zanzibar, Tanzania: 12-20 November 2019
Introduction to remote sensing short course

This introductory course is aimed at beginners who need instruction in basic remote sensing functions such as data acquisition, pre-processing and classification. Upon completion, participants will understand the basic principles of earth observation, the electromagnetic spectrum, digital data, image resolution, satellite systems, pre-processing techniques and classification and will apply these concepts in ENVI.

Course structure

**Option 1: Four days (Attend-only option) @ R6000**

Students who are not interested in being assessed may choose to register for the first 4 days only (i.e. only attend the lectures and exercises and not write the exam or complete any assignments). Students choosing this option will receive a certificate of attendance.

**Option 2: Five days (Including exam and two week assessment component) @ R8000**

Includes a 5-day period during which students attend contact sessions (i.e. lectures and practical exercises) and write tests. Contact sessions run from 9h00-17h00 daily from Monday to Thursday. An exam is taken on the afternoon of day 5 (Friday). Assignments are completed in the student’s own time (during the weeks following the contact period) and are submitted electronically.

The course fees are R8000 per student (R6000 if registering for the first 4 days only). Standard course fees are reduced by 20% for Stellenbosch University students and staff members.
PRE-Conference training

• Official launch of DE Africa
• SAR
• Google Earth Engine
Opportunities

• Gather info planned activities
• Gap Analysis
• Online training opportunities
• Collaboration, partnership and possible coordination
Ndí a livhuwa

Thank you

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