

International Cooperation and Capacity Building Activities at INPE - Brazil



Food and Agriculture Organization
of the United Nations

43 countries (14 already trained)
112 people trained
3-year project (2013-2016)

- Capacity building, system development and countries assistance
- TerraAmazon System
 - Basic concepts on remote sensing, digital image processing and geoprocessing
 - Tutorials and Instructors (Portuguese, English, French and Spanish)
 - Presentations and hands-on activities
 - Video-classes (under development)
 - Pre and post students assessment
 - Online support after course
 - Discussion Forum
 - Publications



Training in Belém – PA (CRA-INPE)



Upload of environmental satellites products through EUMETCast:

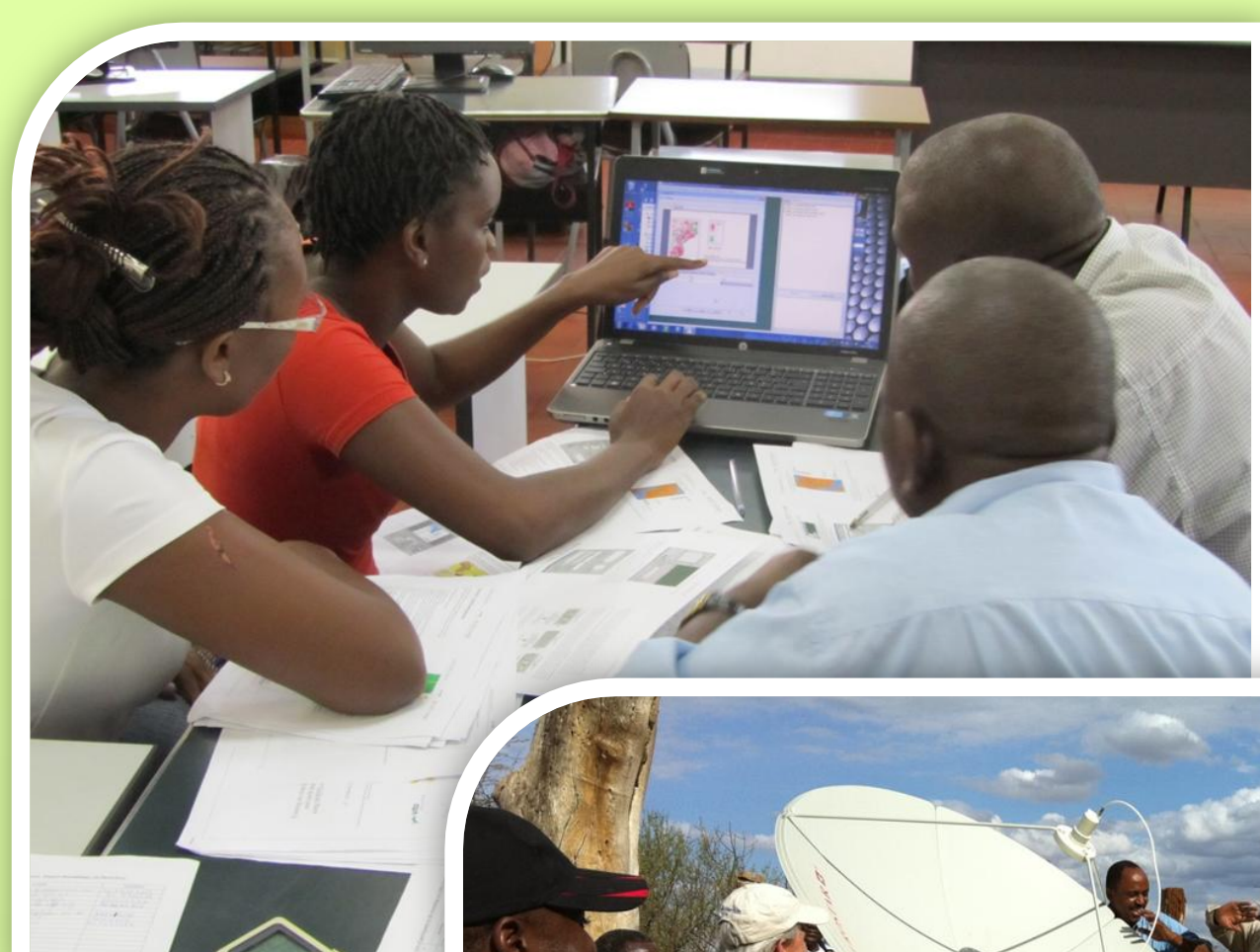
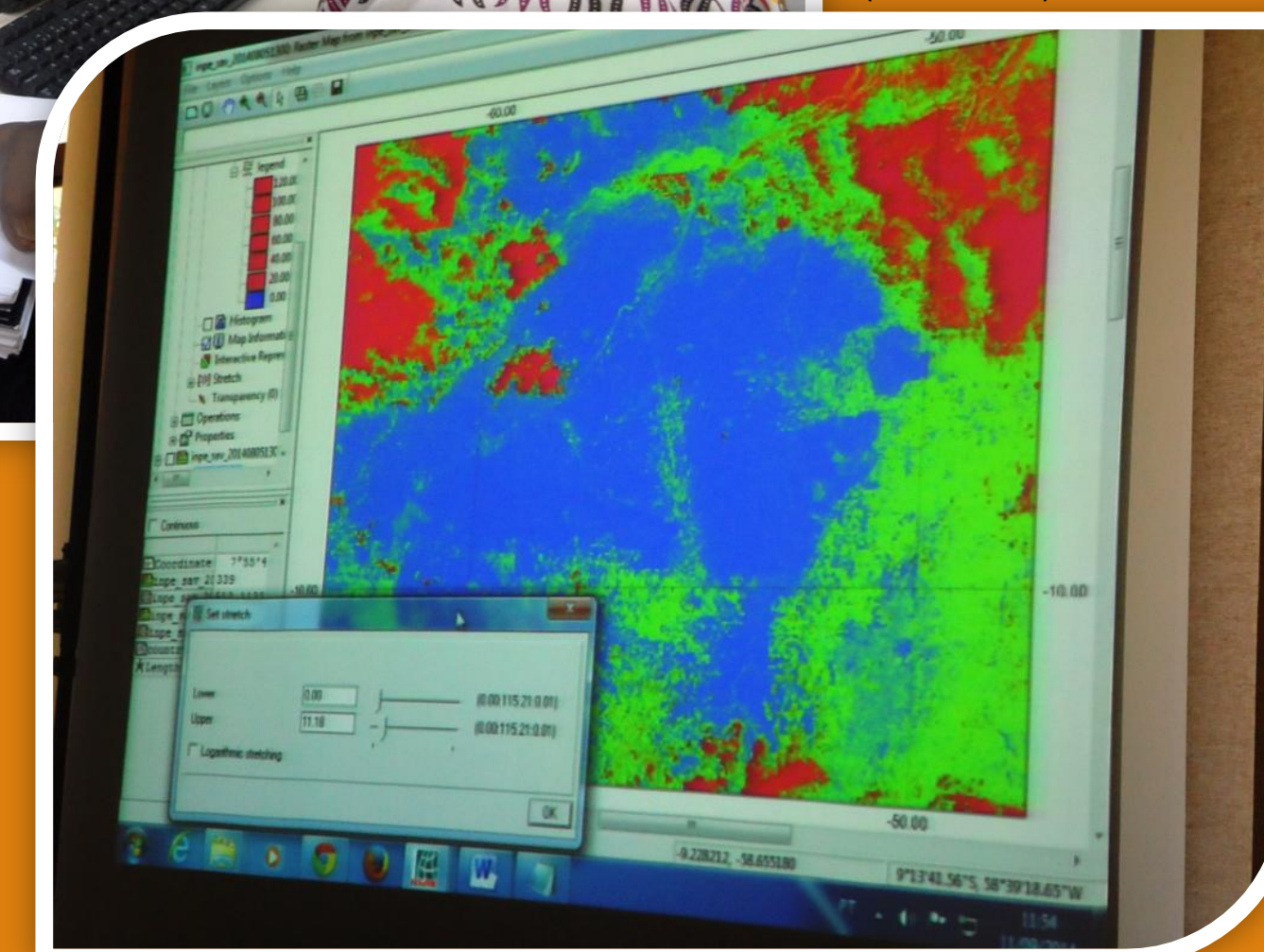
- Fire Detection (NOAA and GOES)
- Precipitation
- Lightening
- GOES/MSG compositions
- Vegetation Index
- CBERS data

Training and Capacity Building using GEONETCast products for environmental applications

Training in South Africa (Marine)
Regional Workshops with ITC (Argentina, Brazil and The Netherlands)
Biomass monitoring, water management, evapotranspiration, ground stations and geoinformation tools.
Development and translation of training material



Training Center in Cachoeira Paulista, SP (CPTEC-INPE)



workshops, available software and tools, and data download is accessible from our dedicated Africa platform.



AGRICAB
Developing increased EO capacity for better agriculture and forestry management in Africa

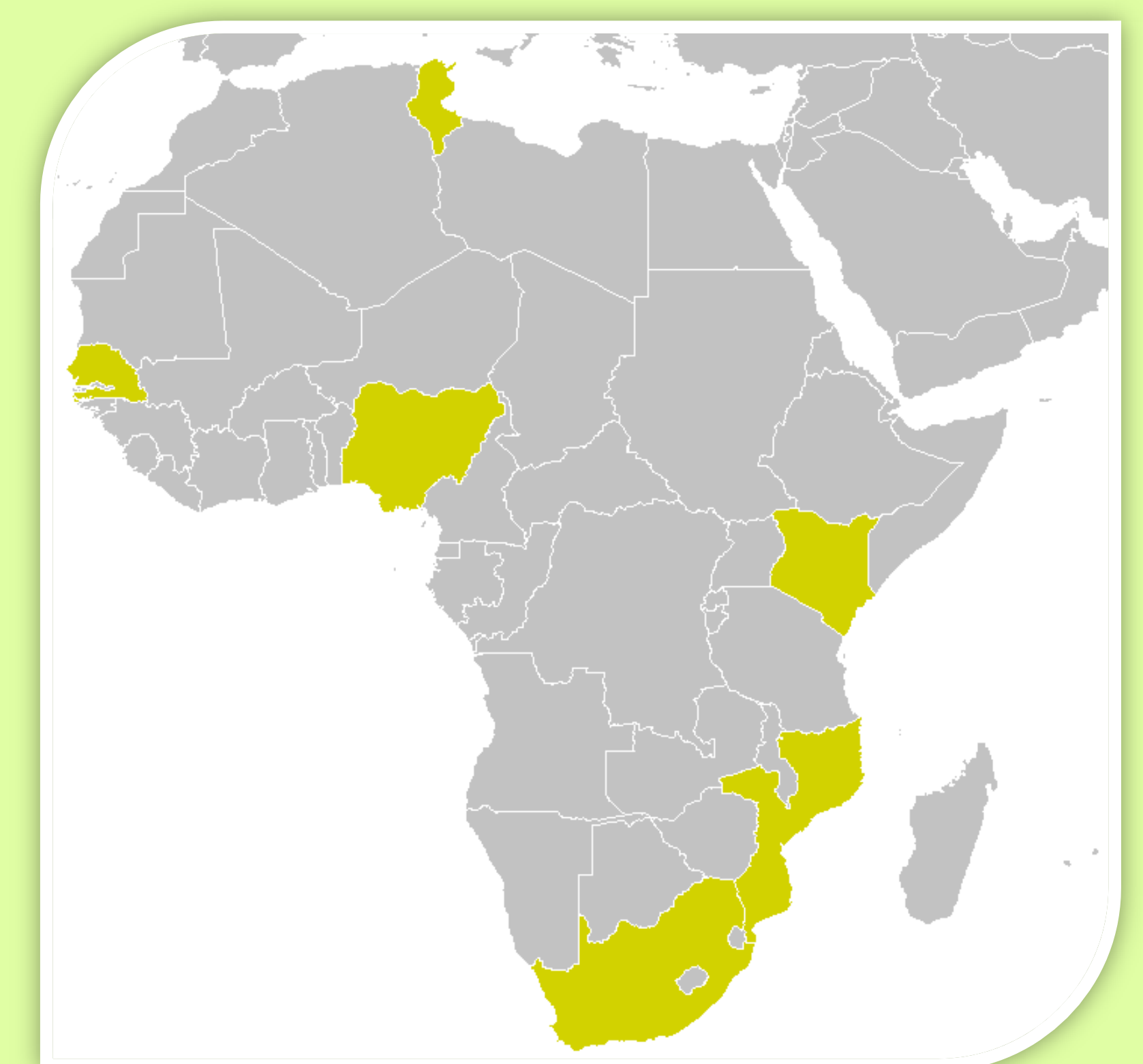
AGRICAB is funded by the EC FP7 program
October 2011 - March 2015, originated from DEVCOCast Project

INPE's contributions

October 2011-March 2012: High resolution CBERS data over Africa was distributed through GEONETCast-EUMETCast (1 image per day).
GIS tools: integration of TerraLib with SPIRITS platform (VITO) and use of GeoDMA (Geographic Data Mining Analyst) in the classification of agriculture targets in selected areas of Mozambique.

Problems faced:

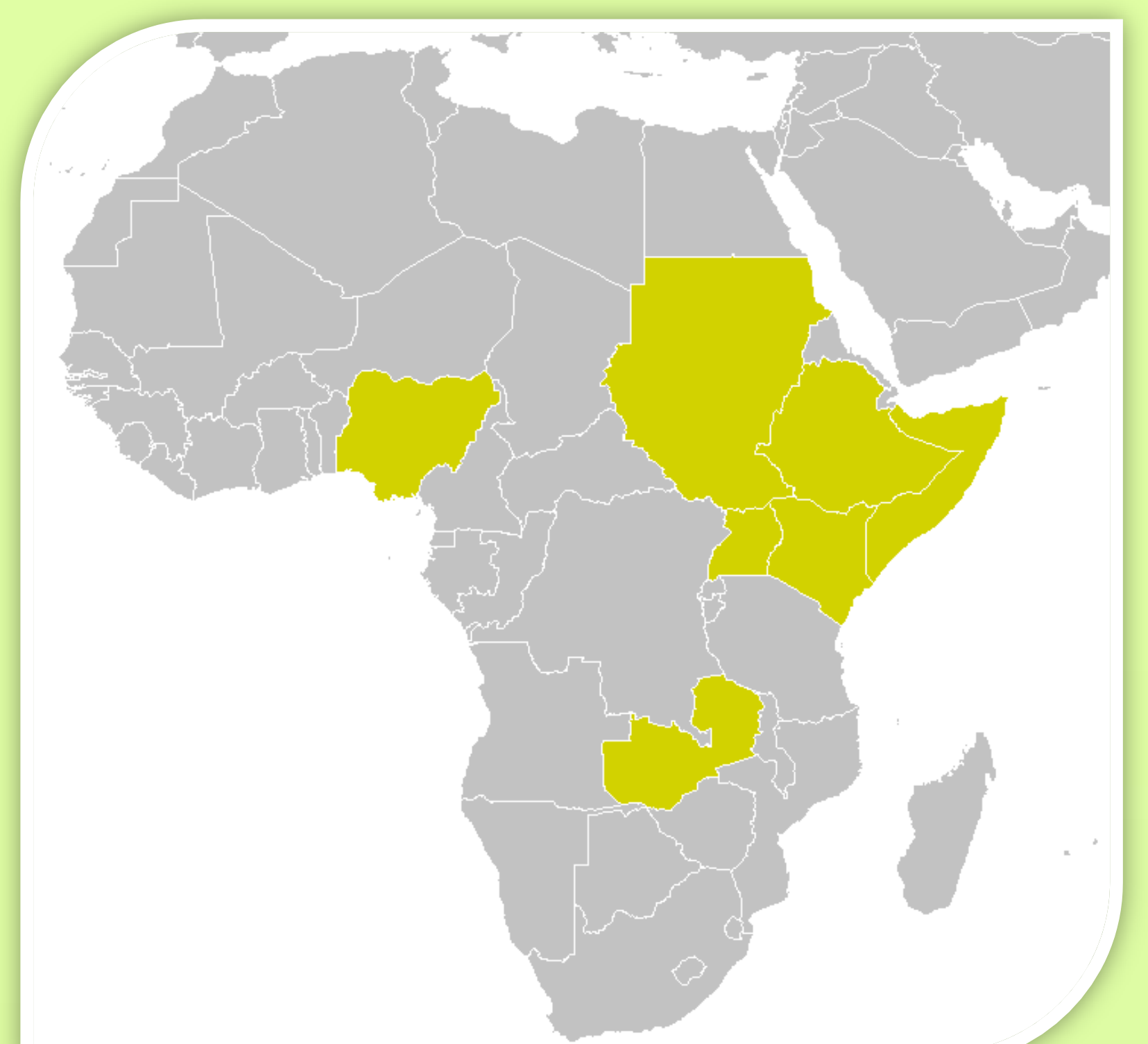
CBERS-3 failure in 2013 (direct impact on products generations, training, capacity building and case studies);
SIGMACast Software was discontinued. Another platform is being developed (SIGMA – online and offline) and will be released in 2015.



WGCapD

Working Group on Capacity Building and Data Democracy

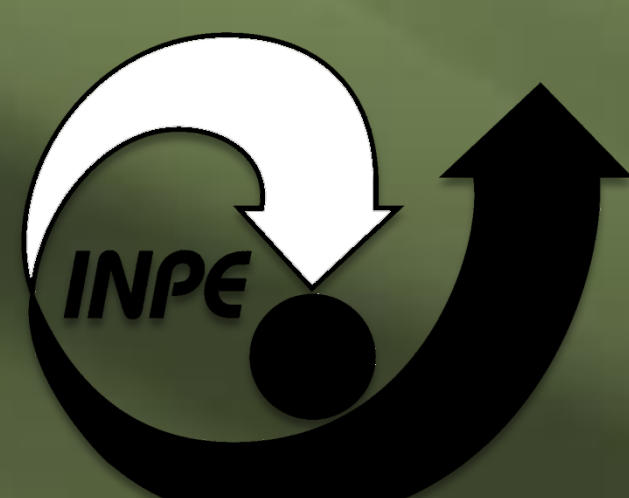
- 180 hour course that targeted university lecturers in the sciences to teach them the benefits of incorporating EO into their classes (African Anglophone Countries)
- Use of data sets that are normally restricted
- Taught by consortium of CEOS agencies and partners
- Coordinated by INPE (Brazil)
- July 2013: e-learning course was concluded and the final grades were compiled: from 30 students enrolled, 16 have successfully completed the course.



May 6-10, 2-13: I DEM Workshop held in Nairobi, Kenya, hosted by RCMRD
Improved access to global DEM developed on a country-by-country basis



International e-learning course on Introduction to Remote Sensing Technology for Educators



INPE - <http://www.inpe.br/>
INPE CRA - <http://www.inpe.br/cra>
INPE CPTEC - <http://www.cptec.inpe.br/>

