



Committee on Earth Observation Satellites

WGCapD Report

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CEOS Plenary 2017

Agenda Item # 10.3

Rapid City, South Dakota, USA

18th – 20th October 2017





Working Group for Capacity Building and Data Democracy (WGCapD)



- Raise awareness of the value of EO data products and services to user communities, including
 - Support to locate and access data, products, and tools
 - Targeted training workshops
- Support CEOS initiatives and help WGs and VCs undertake their own capacity building initiatives
 - E.g. guidance on best practices
- Collaborate with GEO, UNOOSA, and other UN agencies
 - Bring out the benefits of EO tools and services
 - Help to collect, coordinate, and synergize capacity building resources
 - Provide expertise to support their efforts in workshops, symposia, and conferences



2016 - 2017 Activities



SAR Workshops

- Lusaka, Zambia (Oct 2016)
- Tshwane, South Africa (Jan 2017)
- Libreville, Gabon (Feb 2017)
- Tshwane, South Africa (May 2017)

Other Workshops:

- **Gift Workshop-** Cape Town, S Africa (Aug 2016)
- **One Earth Health-**Earth Observations (EO) to Public Health Practices, Canada (2017)

Trainings in support of GEO regional initiatives

- AmeriGEOSS week in Colombia (Jun 2016)
- AmeriGEOSS week in Costa Rica (Aug 2017)
- **AfriGEOSS Sentinel S1/S2/S3 and GEE applications training, Ghana (2017)**

Online

- - **Webinar on SAR – 2017 (Total Participants: 252 from 53 Countries (Apr 17-Jun 9, 2017))**

Languages: English and French

Estimated # of **Participants Onsite & online** > 240

Focus Areas: Disasters and Health

Regions: Africa, South Asia, Australia, Latin America and the Caribbean

Lessons Learned Reports from Capacity Building Initiatives are available on the site:

<http://ceos.org/ourwork/workinggroups/wgcapd/e-learning/>
<http://ceos.org/ourwork/workinggroups/wgcapd/training-workshops/>

Document compiled and in review: → **Training: Methods & Best Practices**

1. Training activities in general, using the five phases of the ADDIE (Analysis, Design, Development, Implementation, Evaluation)
2. General Tips
3. Webinar Tips
4. Summarized Steps for Creating Training Initiatives.



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Learning Center: Education and Training - Remote Sensing and Geospatial Technology

Who we are

The mission of Earth Observation General Coordination of the Brazilian National Institute of Space Research (INPE) is to be the scientific and technological leader in the use of Remote Sensing and Geospatial Technology, fostering knowledge and information about Earth changes and supporting public policies and decision making.

The objective of this Learning Center is to disseminate educational and scientific contents **produced by this coordination**, as well as, the ones generated from our partnership with the Working Group on Capacity Building and Data Democracy (WGCapD) of Committee on Earth Observation Satellites (CEOS)

Here you will have access to learning materials from online and onsite capacity building initiatives: video classes, lectures, presentations and tutorials, in various subjects related to the use of Remote Sensing and Geospatial Technology.

INPE - OBT (in Portuguese)

- Curso Sensoriamento: Aprendizagem Continuada
- Livros Online
- Produção intelectual da Divisão de Processamento de Imagens - DPI

CEOS - WGCapD

- CEOS WGCapD: One Earth – One Health Workshop - 2017
- CEOS WGCapD: Webinar Series on SAR Data Processing and Applications - 2017
- CEOS WGCapD: Training Workshops on Synthetic Aperture Radar (SAR) Data - 2016 and 2017
- CEOS WGCapD: SRTM-2 Digital Elevation Model (DEM) Applications Workshops - 2013-2016
- CEOS WGCapD: Civil Security & EO Workshop - 2015
- CEOS Webinar Series on Remote Sensing Technology for Disaster Management - 2015
- CEOS WGCapD: International e-learning course on Introduction to Remote Sensing Technology - 2013

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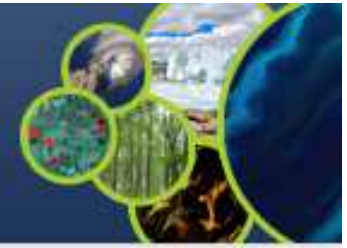
Collaborations with WGs



- Collaborate on **CB-1**: Explore future options for providing portal-based access to capacity building and training resources. Conduct a study of existing and potential new approaches to collect, coordinate, and synergize available capacity building and training resources related to satellite Earth observations.
 - WGCapD and WGISS working to define our current practices for:
 - o Hosting on demand recorded webinars – make discoverable, common metadata
 - o Hosting capacity building resources - make discoverable, common metadata
 - o Planning calendar into future – plan, and post as 2 separate steps



Collaborations with WGISS



- WGCapD assist WGISS in sharing training best practices and in building awareness of WGISS planned webinars
 - Using WGCapD distribution list to those previously trained to announce WGISS training
 - Pointing to WGISS recorded webinars from WGCapD website page
 - Best practices document completed WGCapD review & will be sent to WGISS
- WGISS and WGCapD collaborate on a study to improve standardization and interoperability of data system supporting documentation
 - Discussed, awaiting further WGISS definition



Collaborations with Future Data Architectures (FDA)



- Share best practices to inform their training.
 - Plans to archive training with video and GoTo Meeting recordings.
- Continued coordination with FDA along with WGISS and ODC.



Collaborations with WGCV



- Current practice of new space operators approaching WGCV once satellite up for calibration help could be modified to include proactive engagement.



Collaborations with Open Data Cube (ODC)



- Help promote awareness of data cube training, e.g. at IGARSS 2018.
- Provide advice on how to best make YouTube video tutorials.



Collaborations with AHTs



- Ad Hoc Teams
 - SDG
 - o Promote awareness of SDG methodologies as are developed, along with GEO
 - o Leverage existing efforts to develop materials
 - GEOGLAM
 - o Joined our 2017 WGCapD annual meeting, exploring potential
 - Potential collaborations with other AHTs
- Other WGs and VCs – potential collaborations



Summary



- Raise awareness of the value of EO data products and services
- Support CEOS initiatives
- Collaborate with WGs, VCs, GEO, UNOOSA and other UN agencies in capacity building
- Continue conducting training workshops and webinars (*SRTM, SARS etc.*)
- Follow up on:
 - Explore future options for providing portal-based access to capacity building & training resources
 - Common Calendar of events
 - Advertisement of data cube initiatives



2018-2020 - Chairmanship





Vice Chair approval



Approve New Vice-Chair: NASA





Committee on Earth Observation Satellites

Thank you for your support

