

CEOS Working Group on Cal/Val WGCV #30 Chair Report

Pascal Lecomte, Chair
Greg Stensaas, Vice Chair
Marie-Claire Greening, Technical Secretariat
May 26th, 2009
Ilhabela, Brazil

CEOS Working Group on Calibration and Validation

- The Working Group on Calibration and Validation (WGCV) was originally established in 1984. This resulted from the recognition by CEOS that calibration and validation activities should play a key role in all satellite Earth Observation missions to ensure the clear and quantitative understanding of the data they generate.
- In the GEOSS era, CEOS has become the space segment of GEOSS in support of GEO. WGCV is actively engaged in both GEO and CEOS tasks.
- WGCV is one of the three CEOS working groups (WGCV, WGISS, WGEdu) that report to the CEOS and the SIT (Strategic Implementation Team). The CEOS is also supported by eight Societal Benefit Area (SBA) coordinators and six Virtual Constellations
- The CEOS/SIT plays a central role in coordination of existing and future missions of CEOS agencies, particularly to support GEO in its realization of the space segment of GEOSS. The CEOS Executive Officer (CEO) is Particularly in charge of this link with GEO

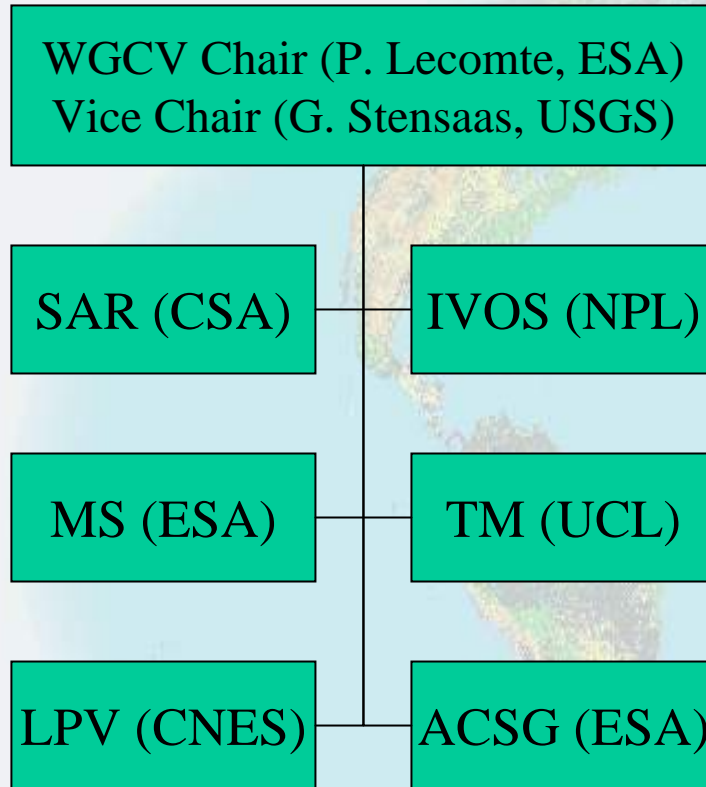
CEOS Organizational Schematic



THE GLOBAL EARTH OBSERVATION SYSTEM OF SYSTEMS



WGCV Structure



Synthetic Aperture Radar (SAR)

Chair: Dr Satish Srivastava , CSA

Infrared Visible Optical Sensors (IVOS)

Chair: Dr Nigel Fox , NPL

Microwave Sensors (MWS)

Chairs: Dr Christopher Buck , ESA
Dr. Xiaolong Dong , CSSAR

Terrain Mapping (TMSG)

Chair: Prof. Jan-Peter Muller , UCL

Land Product Validation (LPV)

Chair: Dr Frederick Baret , INRA
Vice Chair: Dr Sebsatien Garrigues , CNES

Atmospheric Chemistry (ACSG)

Chair: Dr Bojan Bojkov , ESA
Vice Chair: Dr Jean-Christopher Lambert , IASB/BIRA

WGCV holds meeting every 6 to 9 months.

WGCV #29 was held in Avignon, France Sept. 30 – Oct 3, 2008

WGCV #31 will be early 2010 and WGCV #32 will be September 2010 (venues TBD)

WGCV #30, May 26th to 28th, 2009, Ilhabela, Brazil

WGCV # 29 in Avignon, France



Major events since WGCV #29

- CEOS 22nd plenary , November 10th-13th, 2008, George, South Africa
- CEOS SIT Workshop, January 27th-28th, 2009, Silver Spring, MD, USA.
- CEOS SIT meeting, March 3rd-5th, 2009, Cocoa Beach, FL, USA
 - Next SIT meeting, September 9th-11th, 2009, Darmstadt, Germany
- WGISS # 27, May 11th-15th, 2009, Toulouse, France
- Monthly CEOS SEC teleconferences
 - SEC #125, May 20th, 2009
 - Next SEC teleconference , SEC #126, June 17th, 2009
- Intercomparison Experiments May 2009 Miami, FL, USA

Major events after WGCV #30

- CEOS plenary, November 3rd-5th, 2009, Phuket, Thailand
- CEOS SIT meeting, September 9th to 11th, 2009, Darmstadt, Germany
- WGISS # 28, September 28th-October 3rd, 2009, Pretoria, South Africa
- Monthly CEOS SEC teleconferences
 - Next SEC teleconference , SEC #126, June 17th, 2009
- Intercomparison Experiments August 2009 Tuz Golu, Turkey
- QA4EO implementation Workshop September 29th-October 1st, 2009, Antalya, Turkey

- Current situation
 - Chair – P. Lecomte (ESA) until November 2010
 - Vice-Chair – G. Stensaas (USGS) – ” ”
 - Secretariat – M-C Greening – ” ”
- After CEOS Plenary 24th,
 - Chair – G. Stensaas (USGS) until November 2012
 - A new vice chair shall be elected at WGCV #32 and proposed at CEOS plenary.
 - Secretariat is the responsibility of USGS

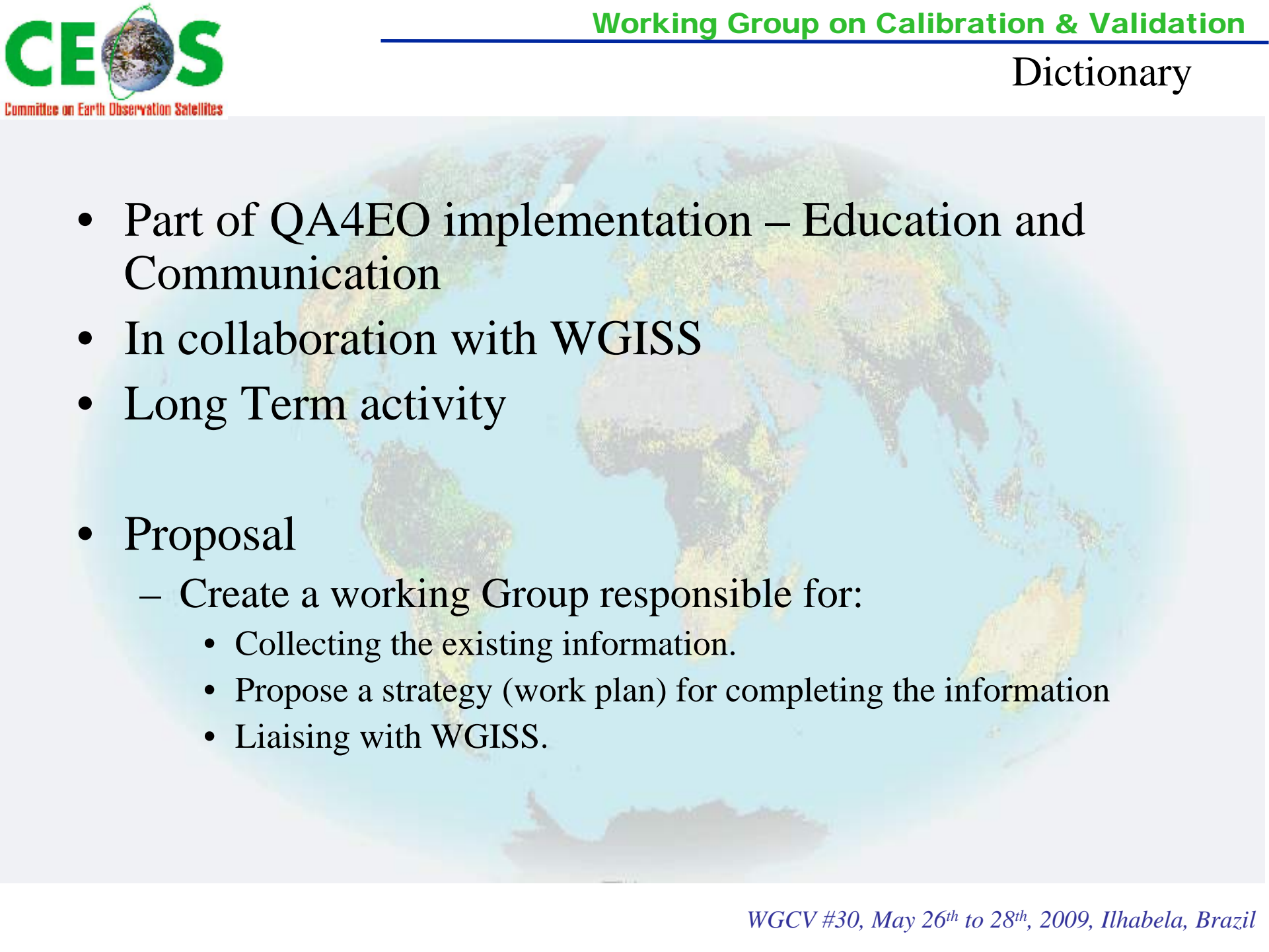
- A document is being prepared to describe the election process.
 - Candidates shall be backed-up by a CEOS Member
 - The rules for defining the list of electors are still being discussed
 - The Chair, Vice-Chair and sub-group chair
 - The “participating” members
 - 1 vote per “participating” member,
 - A “participating” Agency shall be present at least at 2 WGCV meetings
 - The document will be presented at the next SIT

- GEO actions (12 actions)
 - DA-09-01a_5: Benchmark Mission Coordination
 - DA-09-01a_6: Ground Based Cal/Val Campaigns
 - DA-09-01a_7: Dome-C experiment
 - DA-09-01a_8: Cal/Val and Post-launch Test Sites
 - DA-09-01a_9: Radiometric Standards
 - DA-09-01a_10: QA4EO
 - DA-09-01a_11: Reference Test Site Data Collaboration and Comparison
 - DA-09-01b_1: Land Product Harmonisation
 - DA-09-01b_2: Data, Metadata & Product Harmonisation
 - DA-09-03d_3: Global DEM
 - DA-09-03d_4: Global DEM
 - HE-09-03a_3: Air Quality Forecasting

- Geo Actions where WGCV is (or might be) involved
 - AR-09-01c: GEOSS Best Practice registry
 - DA-09-03a: Global Land Cover
 - DA-06-01: GEOSS Data Sharing Principle
 - EC-09-01a: Ecosystem Classification & Mapping
 - EC-09-01c: Regional Networks for Ecosystems
 - ST-09-02: Promoting awareness and benefits of GEO in the Science and Technology community
 - US-09-03c: Bio-geophysical, Soil & Land surface data
 - US-09-03d: Global Phenology Data
- SEC action 124-5
 - List of key tangible /demonstrable outcomes

QA4EO Implementation

- We have now an approved framework (QA4EO was endorsed at CEOS 22nd)
- Comments received from GSICS and all taken into account. Version 3 is ready and will be available soon.
- A QA4EO guide (4 pages) has been produced.
- Create a QA4EO implementation Working Group responsible for:
 - Maintain QA4EO
 - Promote the use of QA4EO
 - Support users in implementing QA4EO
 - Manage procedure review
- Setup cooperation with WGISS for its implementation
- Implementation Workshop Co-organised by WGCV and GISCS, Chaired by GEO.
- QA4EO will be included in the GEO plenary Agenda

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- Part of QA4EO implementation – Education and Communication
 - In collaboration with WGISS
 - Long Term activity
 - Proposal
 - Create a working Group responsible for:
 - Collecting the existing information.
 - Propose a strategy (work plan) for completing the information
 - Liaising with WGISS.

- No invitation so far.
 - The WGCV Chair requests all WGCV members to investigate the possibility to host future WGCV.