

# CEOS WGCV 28th Meeting



**Dates:** February 26-29, 2008<sup>†</sup>

**Location:** Sanya, China

**Hosted by** NSOAS and NMRSL

## **Day 1: Tuesday, Feb. 26, 2008**

8:15 Registration

### **Session 1: Welcome and Introduction (WGCV and WGISS joint session)**

8:30 Introduction/Adoption of Agenda (*Cao and Maiden*)

8:40 Welcome and a General Introduction to China's Space-Based Earth Observation System (*Prof. Jiang, NMRSL/CSSAR/CAS*)

9:25 Introduction to the Satellite Programs of the State Oceanic Administration of China (*Prof. Jiang, NSOAS/SOA*)

9:55 China's Meteorological Satellite Programs (*Prof. Zhang, CMA*)

10:30 - 10:45 Break

10:45 Prioritizing GEO/CEOS Tasks/Resources for the Working Groups (*Petiteville, CEOS CEO*)

11:05 WGCV/Terrain Mapping subgroup report and WGCV&WGISS joint support (*Muller*)

11:30 Infrared and Visible Optical Sensors (*Fox*)

\*\*\* *WGCV&WGISS Joint Session will reconvene on Thursday afternoon and Friday* \*\*\*

12:00 - 1:00 Lunch

### **Session 2: CEOS IP – Progress reports**

1:00 WGCV Chair Report (*Cao*)

*The chair will review the progress made since WGCV27, as well as other CEOS activities. The current CEOS IP and GEO tasks addressed by WGCV will be introduced.*

1:30 Minutes from WGCV27 and Status of Current Action Items (*Campbell*)

#### **Session 2.1: Subgroup reports (Chairs: Cao, Lecomte)**

**General guidance:** Please synthesize your reporting into the following topics: (1) accomplishments since last WGCV; (2) relevance to the CEOS/IP or GEO task; 3) current/future challenge; and (4) requested agency commitments. Background materials presented before can be included in the backup slides. Time: 25 minutes (~ 25 slides).

*Note: The Land Product Validation (LPV) and the Atmospheric Composition (ACSG) Subgroups will report at the joint sessions on Thursday afternoon and Friday morning.*

1:45 Microwave Sensors (*Buck*)

2:10 SAR (*Srivastava*)

#### **Session 2.2: Country and agency reports (Chairs: Cao, Lecomte)**

*Please note that as CEOS has become the space arm of GEO and is taking on GEO tasks, the reporting from individual countries and agencies have been greatly simplified. Each country/agency will provide a brief update (15 minute, or ≤ 15 slides) on the latest development/progress made since WGCV27. Contributions to the CEOS/IP or GEO tasks should be identified, and further addressed in later sessions (e.g. CEOS constellation support). Background information presented before can be included in the backup slides.*

2:35 Canada (*Srivastava*)

2:50 China (*Dong*)

3:05 - 3:30 Break

<sup>†</sup> WGISS25 starts on February 25, one day before WGCV28

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## **Session 2.2: Country and agency reports (Continued)**

- 3:30 CNES (*Henry*)
- 3:45 ESA (*Lecomte*)
- 4:00 IRSA/CAS (*Gu, Zhu*)
- 4:15 India (*Kartikayan, IAQD/SIPA*)
- 4:30 INPE (*Fonseca, Brazil*)
- 4:45 JAXA (*Imaoka*)
- 5:00 DMCii (*Mackin*)
- 5:15 NASA (*Ungar*)

5:30 *Adjourn*

**6:30 Welcome Dinner (Kindly hosted by NSOAS and NMRSL)**

## **Day 2, Wednesday, Feb. 27, 2008**

- 8:30 NIST (*Johnson*)
- 8:45 NPL (*Fox*)
- 9:00 NOAA (*Weng*)
- 9:15 Russia (*Burdakin, Panfilov*)
- 9:30 Thailand/GISTDA (*Nutpramoon*)
- 9:45 USGS (*Dwyer*)

10:00 - 10:30 *Break*

## **Session 3: CEOS/IP - Data quality assurance strategy for GEOSS**

*This session addresses the GEO task DA-06-02: Developing data quality assurance strategy for GEOSS*

10:30 GEO task DA-06-02: Current status, activities, issues and plans (*Ungar*)

### **Session 3.1: GEO-CEOS Cal/Val workshop: Report (Chair: Lecomte)**

10:50 Overview of first Workshop (*Lecomte*)

11:00 Reports from Subgroup chairs on progress within the subgroup topics

- 11:00 ACSG (*Bojkov*)
- 11:10 IVOS (*Fox*)
- 11:20 LPV (*Baret*)
- 11:30 Microwave (*Buck*)
- 11:40 SAR (*Srivastava*)
- 11:50 TMSG (*Muller*)

12:00 - 1:00 *Lunch*

### **Session 3.1: GEO-CEOS Cal/Val workshop report (Continued)**

- 1:00 Presentation & discussion on Workplan (*Lecomte*)
- 1:30 Presentation & discussion on Guidelines framework (*Greening*)
- 2:00 Workshop #2 preparation (*Greening & Lecomte*)

### **Session 3.2: Climate quality calibration for GEOSS (Chairs: Cao, Lecomte)**

*In this session we will discuss projects, case studies, and potential standards towards more stable and consistent satellite measurements. It aims at establishing the link between DA-06-02 and other GEO tasks. It also addresses the climate SBA and GCOS IP actions, including CL-06-01, CL-06-02, and A-5, C-7, C-9, O-17, O-18, and T-4.*

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- 2:30 **GSICS progress update and coordination** (*Weng*)
- 3:00 **Progress Update on Project 07-01:** Making consistent measurements from MODIS, ATSR, and AVHRR reflective solar bands for generating Fundamental Climate Data Records (FCDRs) (T-4, O-17) (*Xiong/Trishchenko*)
- 3:15 **Progress Update on Project 07-02:** International collaboration for on-orbit SI traceable measurements (A-5, C-7) (*Fox*)

3:30 - 3:40 *Break*

## **Session 3.2: Climate quality calibration for GEOSS** (*Continued*)

- 3:40 **Case studies:**
- Antarctic Plateau: A potential CEOS WGCV radiometric reference standard site (*Cao, Ungar, Xiong, Lecomte*)
  - Develop a generic model for CEOS SI traceable Cal/Val sites (*Johnson*)
  - The moon as a CEOS radiometric stability standard - a proposal (*Stone*)
- 4:40 **Roundtable discussion:** A review of CEOS radiometric reference standards
- The need for CEOS WGCV standards and standards technical committee
  - Coordination with existing standards bodies
  - Inventory of potential WGCV standards and documentation issues
  - Develop a standards factsheet/handbook. Examples: Spectral solar irradiance for intercomparisons (IVOS), Microwave sensor Cal/Val sites (*CSAR and MS*), etc.
  - Formulate Subgroup Actions (*Campbell, All*)

5:30 *Adjourn*

## **Day 3, Thursday, Feb. 28, 2007**

### **Session 4: WGCV support to LSI constellation** (*Stenssas, Bailey*)

- 8:30 Cal/Val portal and Cal/Val sites for LSI (*Stenssas and Lecomte*)
- 9:00 Calibration support to Constellations - the DMC experience (*Mackin*)
- 9:30 SPOT Cal/Val at Dome C site (*Henry*)

10:00 - 10:30 *Break*

- 10:30 CBERS Cal/Val (*IRSA/CAS (Gu), INPE, CRESDA*)
- 10:50 JAXA LSI Cal/Val support (*Imaoka*)

### **WGCV Reporting**

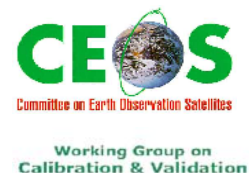
- 11:00 Summary of achievements to be reported to the CEOS Plenary/GEO summit (*Cao, Campbell, All*)
- 11:30 New WGCV28 Action Items and Recommendations to CEOS (*Campbell, All*)
- 11:45 Date and time for next WGCV29 meeting (*All, Cao and Baret*)

12:00-1:00 *Lunch*

### **WGCV and WGISS Joint Working Session**

- 1:00 ISRO missions and CEOS participation (*Kartiksac, ISRO*)
- 1:30 WGCV/Land Product Validation (LPV) Subgroup Report (*Baret*)
- 2:00 Introduction to the development of international standards (*Wyn Cudlip, WGISS/BNSC*)
- 2:20 Ocean sensor Cal/Val (*Tang, SOA/NSOAS*)

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2:40 Intercalibration scenario in collaboration with GEO/ADC (*Stephen Ungar, NASA EO-1*)

*3:00 - 3:30 Break*

3:30 Panel discussions: CEOS Working Group joint support to the LSI Constellation (*Maiden, Cao, Bailey, and Stenssas*)

4:00 CEOS Annual Conference: *Goals, Benefits and Discussion of Ideas* (*Petiteville, CEOS CEO*)

4:30 Joint WGISS&WGCV Recommendations/Requests to CEOS (*Maiden, Cao, All*)

*5:30 Adjourn*

## Day 4, Friday, Feb. 29, 2008

### ***WGCV and WGISS Joint Working Session (Continued)***

8:30 CEOS Atmospheric composition constellation: Cal/Val issues and support (*Hilsenrath*)

9:30 Atmospheric Composition Subgroup (ACSG) Report (*Bojkov*)

10:00 Aura Validation Data Center, WGISS Invited Presentation (*Bojkov*)

*10:30 - 10:45 Break*

10:45 **Panel discussions:** CEOS Working Groups - Joint support of the AC Constellation (*Hilsenrath, Maiden, Cao, All*)

**12:00 Closing of WGCV28/WGISS25** (*Maiden and Cao*)

*12:00 - 1:00 Lunch*

***1:00-5:00 Site visit of SOA ground station satellite facility***