

# CEOS Working Group on Calibration and Validation WGCV #31 Chair Report

Pascal Lecomte, Chair  
Greg Stensaas, Vice-chair  
Marie-Claire Greening, Technical Secretariat  
March 2<sup>nd</sup> 2010  
Washington, USA

## CEOS Working Group on Calibration and Validation

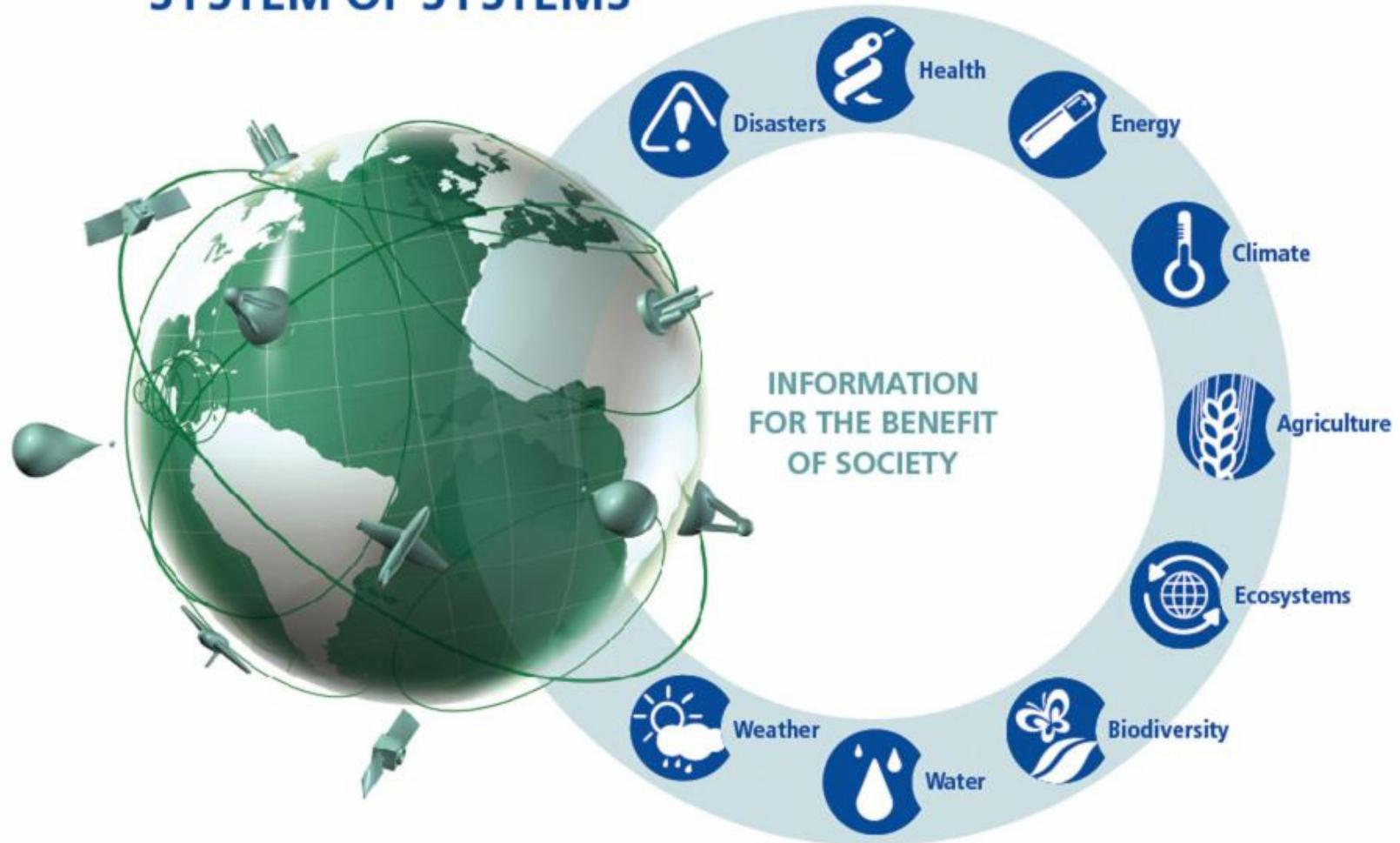
- The Working Group on Calibration and Validation (WGCV) was originally established in 1984. This resulted from the recognition by CEOS that calibration and validation activities should play a key role in all satellite Earth Observation missions to ensure the clear and quantitative understanding of the 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 Organisational Schematic

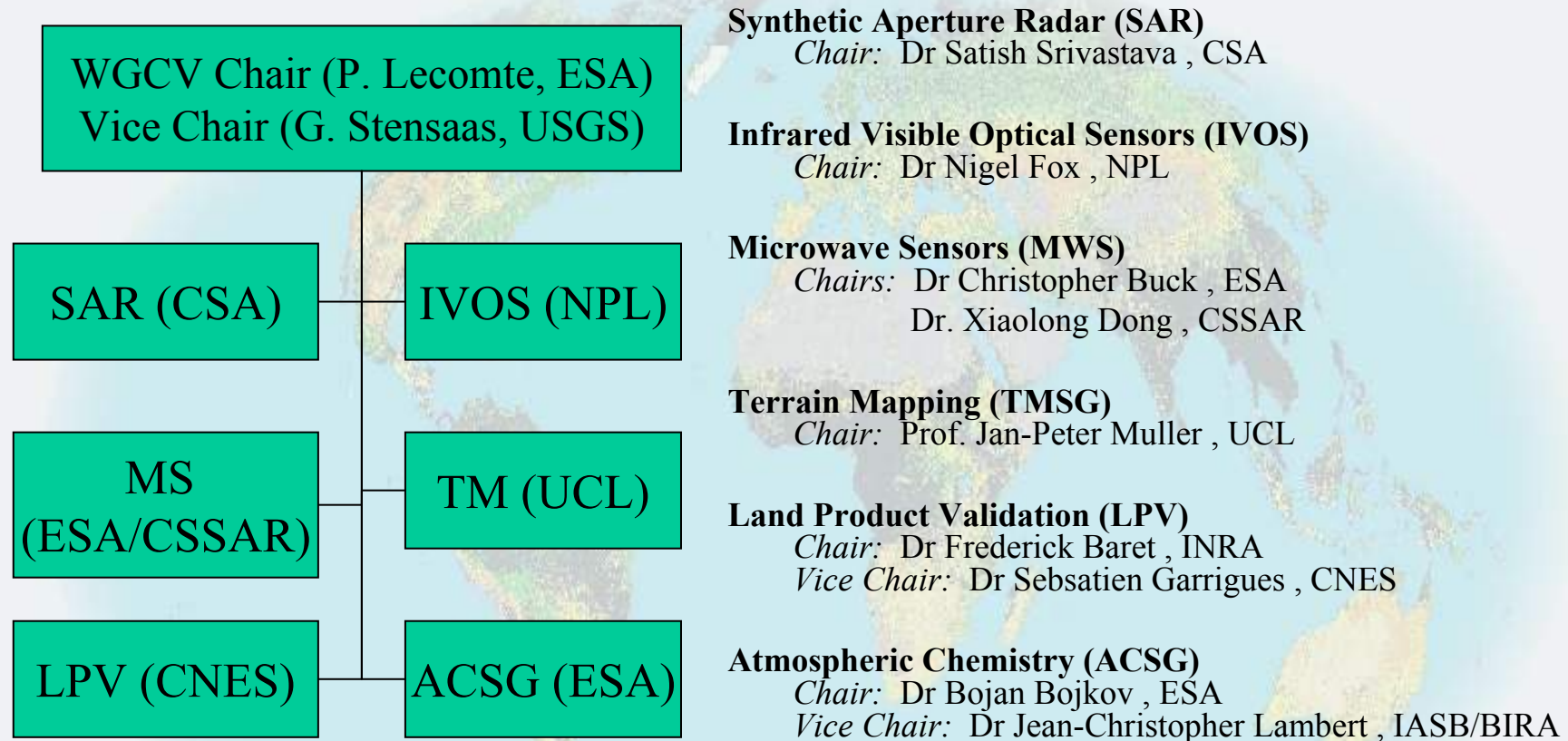




## THE GLOBAL EARTH OBSERVATION SYSTEM OF SYSTEMS



## WGCV Structure



WGCV holds meeting every 6 to 9 months

WGCV #30 was hosted by INPE in Ilhabela, Brazil, from 26 – 29 May 2009

WGCV #32 will be a joint meeting with WGISS hosted by CSA in Montreal, Canada,  
from 13 – 17 September 2010

*WGCV #31, March 2<sup>nd</sup> to 5<sup>th</sup>, 2010, Washington, USA*



WGCV # 30 in Ilhabela, Brazil



## Major events since WGCV #30

- Intercomparison Experiments, August 2009, Tuz Gölü, Turkey
- CEOS SIT-24, 2 – 4 September 2009, Darmstadt, Germany.
- QA4EO Workshop, 29 September – 1 October 2009, Antalya, Turkey
- WGISS #28, 28 September – 2 October 2009, Pretoria, South Africa
- CEOS 23<sup>rd</sup> plenary, 3 - 5 November 2009, Phuket, Thailand
- GEO VI plenary, 17 – 18 November 2009, Washington DC, USA
- CEOS review / response to GCOS IP, 27 – 28 January 2010, Virginia, USA
- Monthly CEOS SEC teleconferences
  - SEC #134, 9 February 2010
  - Next SEC teleconference , SEC #135, 9 March 2010



## Major events after WGCV #31

- CEOS SIT-25 meeting, 13 – 14 April 2010, Tokyo, Japan
- WGEdu # 11, 12 – 14 May 2010, Puerto Iguazu, Argentina
- WGISS # 29, 17 – 21 May 2010, Bonn, Germany
- WGCV #32 joint with WGISS #30, 13 – 17 September 2010, Montreal, Canada
- QA4EO workshop, September 2010, exact time and location to be confirmed
- CEOS 24<sup>th</sup> plenary, 13 – 15 October 2010, Rio de Janeiro, Brazil
- GEO VII plenary, 3 – 4 November 2010, Beijing, China



- Current situation
  - Chair – P. Lecomte (ESA) until November 2010
  - Vice-Chair – G. Stensaas (USGS) – ” ”
  - Secretariat – M-C Greening – ” ”
- After CEOS Plenary 24<sup>th</sup>,
  - Chair – G. Stensaas (USGS) until November 2012
  - A new vice chair shall be elected at WGCV #32 and proposed at CEOS plenary. Nominations for the new vice chair will be presented at this meeting (WGCV #31)
  - Secretariat is the responsibility of USGS

- The election process is described online in the “Terms of Reference” section of the WGCV website (<http://www.ceos.org/wgcv/>).
  - Candidates shall be backed-up by a CEOS Member
  - Those eligible to elect at WGCV #32 are:
    - WGCV Chair, Vice-Chair and Subgroup chairs
    - “Participating” members
      - 1 vote per “participating” member,
      - A “participating” Agency shall be present at least at 2 WGCV meetings

## Main Activities

- GEO actions (WGCV involvement in 10 actions)
  - CL-06-01a\_15: Correction coefficients to intercalibrate historical geostationary infrared imager to AIRS and IASI
  - CL-09-03b\_6: Forest Carbon Tracking
  - DA-09-01a\_6: Ground-based Cal/Val Campaign
  - DA-09-01a\_8: Develop Cal/Val Portal and Post-launch Test Sites
  - DA-09-01a\_11: CEOS Reference Test Site Data Collaboration and Comparison
  - DA-09-01a\_12: DOME-C Multi-sensor Experiment
  - DA-09-01a\_13: The Quality Assurance Framework for Earth Observation (QA4EO)
  - DA-09-01b\_2: Data, Metadata & Product Harmonisation
  - DI-09-03b\_2: Implementation of a Fire Warning System at Global Level
  - EN-07-01\_6: Solar Energy Resource Knowledge Management



- CEOS actions
  - CEOS 23-11: Agencies interested in providing the next WGCV Chair term should forward nominations to WGCV Chair (due by WGCV-31)
  - CEOS 23-13: WGCV Chair to work with GEO FCT Co-Leads to identify the supporting role for WGCV in the calibration and validation aspects of the FCT initiative (due by April 2010)