

CEOS WGCV SAR Subgroup Activities

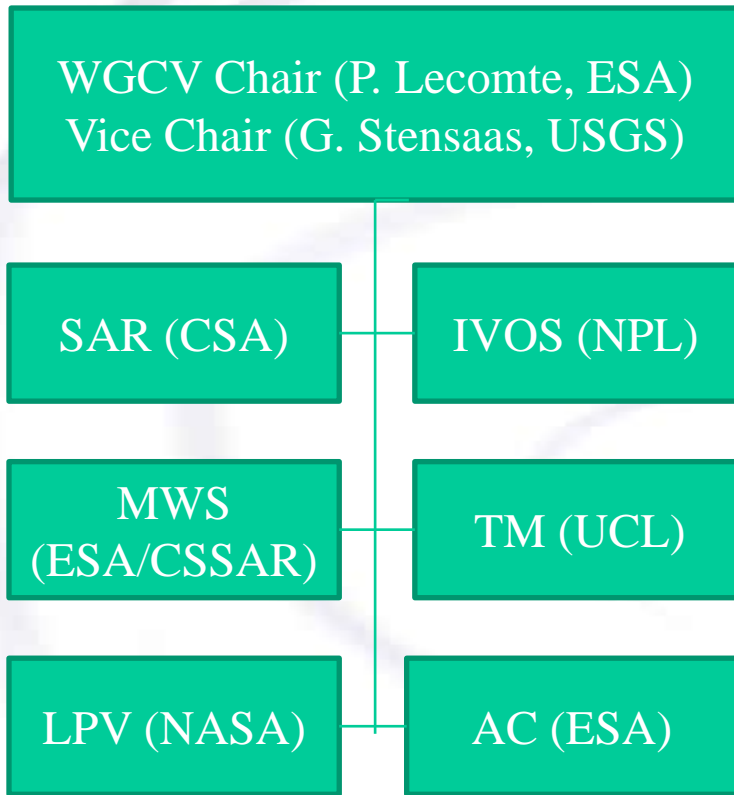
Presented at

**SAR Cal/Val Workshop 2010
Zurich, Switzerland
August 25 – 27, 2010**

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CEOS Organizational Schematic





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, CSSR

Terrain Mapping (TM)

Chair: Prof. Jan-Peter Muller, UCL

Land Product Validation (LPV)

Chair: Dr. Joanne Nightingale (NASA)

Atmospheric Chemistry (AC)

Chair: Dr. Bojan Bojkov, ESA

Vice Chair: Dr. Jean-Christopher

Lambert, IASB/BIRA

CEOS Plenary (<http://www.ceos.org/>)

WGCV (http://www.ceos.org/index.php?option=com_content&view=category&layout=blog&id=75&Itemid=116)

SAR Subgroup (http://www.ceos.org/index.php?option=com_content&view=category&layout=blog&id=89&Itemid=129)

CEOS WGCV SAR Subgroup (1)

- Mission: to foster high-quality synthetic aperture radar imagery from airborne and space borne SAR systems through precision calibration in radiometry, phase, and geometry, and validation of high level products.
- Objectives:
 - Act as a forum for international technical interchange on the evolving methodologies, techniques, and equipment of SAR data processing, calibration and validation,
 - To determine standard definitions and calibration-validation requirements for SAR systems.
 - To support changes in CEOS formats and user products as appropriate,
 - To facilitate international cooperative programs in the calibration and validation of SAR systems,
 - To educate the SAR community.

CEOS WGCV SAR Subgroup (2)

➤ Action Plan:

- Annual Workshop/Meeting
- Set up standard CAL/VAL sites – inter-sensor comparison
- Calibration requirements and techniques for Polarimetry, Interferrometry, POLInSAR
- Support **GEO Tasks**
- Revamp WGCV SAR Subgroup Website

➤ Recent Annual Workshop/Meeting

- 2009 – Hosted by NASA/JPL in Pasadena, CA, USA
- 2008 – Hosted by DLR in Oberpfaffenhofen, Germany
- 2007 – 7th Advanced SAR Workshop, hosted jointly by CSA and CEOS WGCV SAR Subgroup in Vancouver, Canada
- 2006 – Hosted by University of Edinburgh in Edinburgh, UK