



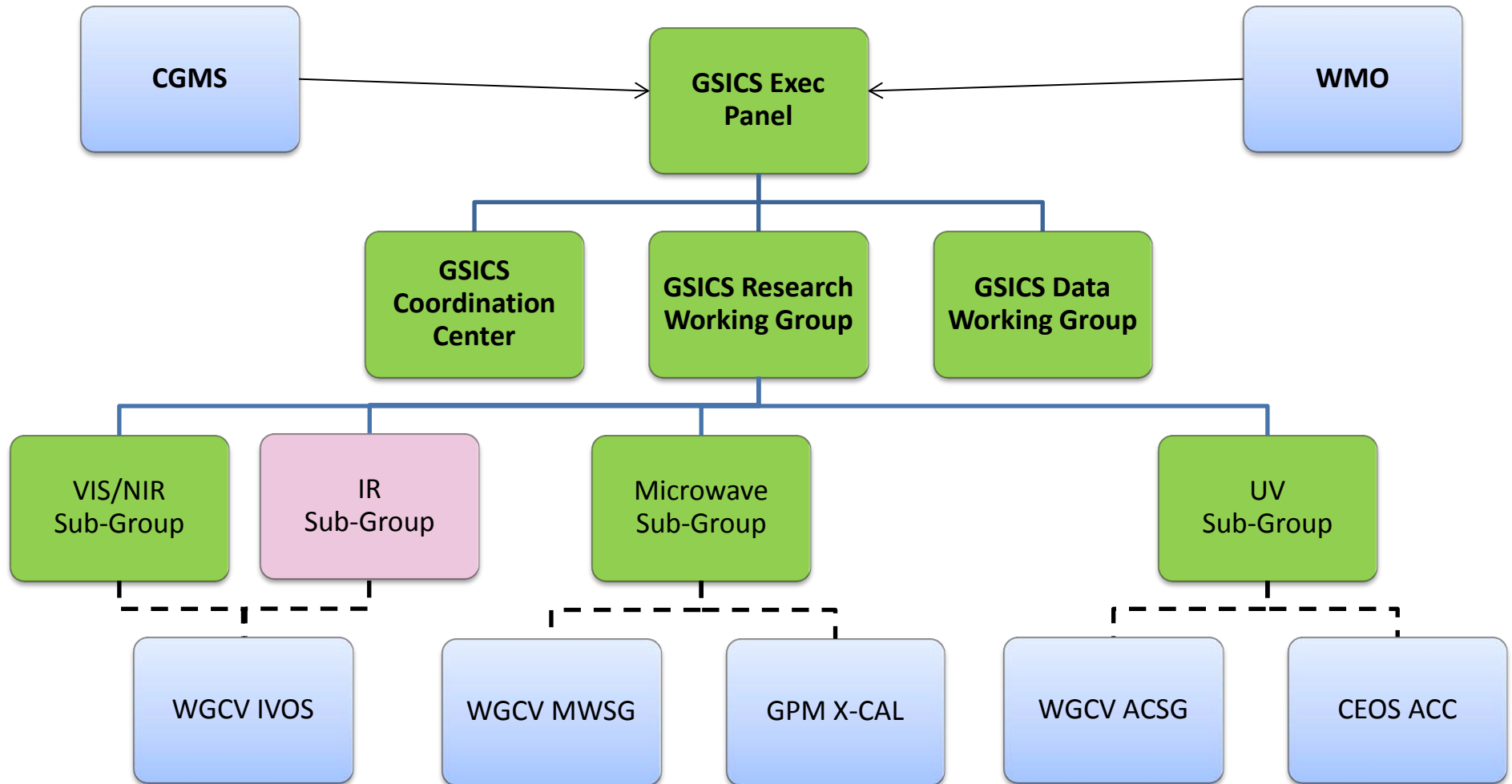
## WGCV-GSICS Interactions

39<sup>th</sup> CEOS WGCV Plenary

7 May 2015, DLR, Berlin

**Tim Hewison (EUMETSAT)**  
**GSICS Research Working Group Chair**

# GSICS Organisation



# GSICS-IVOS Interaction [IVOS, 2014]

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- Identified potential IVOS-GSICS interactions on:
  - Deserts (PICS) methods for cross- comparisons (Vis and IR)
  - *Moon as a calibration reference - improved models and usage*
  - LEO – LEO cross-calibration methods in general
  - Cross-comparison tools and databases and results
  - Pre-flight calibration workshop
  - Use of atmospheric hyperspectral imagers for band to band correction
  - Reference solar Irradiance spectrum and convolution
  - *IVOS to make more visible its activities through GSICS newsletters*
  - *Examples of Cal/Val best practise following QA4EO principles as case studies*
  - *Efforts to establish SI Traceable Climate and calibration sat in space*
  - Many overlaps of personnel perhaps some joint co-located meetings
  - Contribution to survey on Cal/val methods: activities/priorities
  - IVOS Participation in monthly GSICS Web Meetings



# Previously Suggested Interactions

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- Glossary of calibration terminology - (Actions WGCV-38-1 & -2)
- Best Practice Guidelines
  - e.g. Traceability,
  - Calibration Uncertainty
- Definition of Standards - (Actions WGCV-37-7a and -7b)
- Specific interactions with WGCV Sub-Groups: IVOS, MWSG, ACC -  
Need for coordination - (see next slides)
- Geolocation/navigation/rectification methodology & metrics
- Inter-comparison Campaigns – aircraft, ground-based support, etc.
  - Data exchange/analysis,
  - Offer to review campaign plans
- Intra-System Comparisons



# IVOS - VIS/NIR Sub-Group

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- Lunar Calibration Workshop (Previous Report)
- IVOS Meeting + Workshops
  - Toulouse, November 2015
  - Community best practise on ‘Image quality’ in particular MTF type issues
  - Progress and next steps on Cross comparison using Pseudo invariant Calibration sites (PICS) – Follow-up to the Libya 4 workshop of 2012
  - Bias correction and gain adjustments and uncertainties
  - task team on solar irradiance spectrum
  - Review databases and tools



# Joint activities of WGCV & GSICS Sub-Groups

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## UV Sub-Group:

- Larry Flynn's [presentation](#) at WGCV-38 outlined numerous suggestions for UVSG-WGCV activities

## Microwave Sub-Group:

- Potential for Joint Meetings:
  - “MWSG group will be having a meeting in May 2016 or November 2015 where GSICS would be invited to attend”
  - 2016 GRWG/GDWG Meeting at JMA/JAXA ? TBC!
  - Potential involvement from JAXA in MWSG?
- *WGCV-38-3: MWSG Chair to have a communication with GSICS on how WGCV can offer support on best practices by WGCV-39.*



# Improve Communications

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- Add GSICS Contacts to WGCV Sub-Groups' Mailing lists
- Invite articles for GSICS Quarterly Newsletter
- Journal Special issues:
  - Lunar Calibration
  - Deep Convective Clouds

# The End

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# Thank You!