## CEOS WGCV IVOS-27 Meeting

**Nov 18-20, 2015 at ONERA Toulouse**

### DRAFT AGENDA

#### Wednesday, Nov 18

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 AM</td>
<td>Registration/Entrance Logistics</td>
</tr>
<tr>
<td>9:00 AM</td>
<td>Continuance of PICS workshop</td>
</tr>
<tr>
<td>10:30</td>
<td>Break</td>
</tr>
<tr>
<td>~12:45</td>
<td>Lunch</td>
</tr>
<tr>
<td>14:00</td>
<td>IVOS 27 Main Meeting</td>
</tr>
<tr>
<td>14:00</td>
<td>IVOS chair Intro</td>
</tr>
<tr>
<td></td>
<td>Fox</td>
</tr>
<tr>
<td>14:25</td>
<td>CEOS WGCV chair welcome</td>
</tr>
<tr>
<td></td>
<td>Thome on behalf of Von Barten</td>
</tr>
<tr>
<td>14:30</td>
<td>Vicarious Radiometric Cal/Val of land imagers</td>
</tr>
<tr>
<td></td>
<td>Henry</td>
</tr>
<tr>
<td>14:35</td>
<td>Bouvet</td>
</tr>
<tr>
<td>15:15</td>
<td>Candidates sites for future Radcalnet expansion</td>
</tr>
<tr>
<td>15:15</td>
<td>Bruegge (JPL)</td>
</tr>
<tr>
<td>15:30</td>
<td>Griffith (CSIR)</td>
</tr>
<tr>
<td>15:45</td>
<td>Break</td>
</tr>
<tr>
<td>16:15</td>
<td>Ma (AOE)</td>
</tr>
<tr>
<td>16:30</td>
<td>Other vicarious cal methods</td>
</tr>
<tr>
<td>16:30</td>
<td>Wagner (Eumetsat)</td>
</tr>
<tr>
<td>16:45</td>
<td>Wagner (Eumetsat)</td>
</tr>
<tr>
<td>17:00</td>
<td>Sensor to sensor interoperability/Cross comparison</td>
</tr>
<tr>
<td>17:00</td>
<td>DISCUSSION</td>
</tr>
<tr>
<td></td>
<td>Woolliam(NPL)</td>
</tr>
<tr>
<td>18:005</td>
<td>END of DAY 1</td>
</tr>
</tbody>
</table>

---

**IVOS**, a subgroup of the Committee on Earth Observing Satellites (CEOS) Working Group on Calibration and Validation (WGCV) whose mission is to ensure high quality calibration and validation of infrared and visible optical data from Earth Observing Satellites and validation of higher level products.
<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker(s)</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00</td>
<td>Czaplar-Myers (u of Arizona)</td>
<td>Use of test site for calibration of Landsat 8 OLI and Sentinel 2 MSI</td>
</tr>
<tr>
<td>09:20</td>
<td>Bruegge (JPL)</td>
<td>Use of test site for calibration of OCO2 and GOSAT</td>
</tr>
<tr>
<td>09:40</td>
<td>Gorrono (NPL)</td>
<td>Sensor to sensor cross-comparison uncertainty limits</td>
</tr>
<tr>
<td>10:00</td>
<td></td>
<td><strong>Sensor in-flight calibration and uncertainty assessment</strong></td>
</tr>
<tr>
<td>10:00</td>
<td>Lee (Kari)</td>
<td>Kompasat 3A Radiometric Cal/Val</td>
</tr>
<tr>
<td>10:20</td>
<td></td>
<td><strong>Break</strong></td>
</tr>
<tr>
<td>10:45</td>
<td>Xiong (NASA)</td>
<td>Status of S-NPP VIIRS Solar and Lunar Calibration</td>
</tr>
<tr>
<td>11:00</td>
<td>Gorrono (NPL)</td>
<td>Radiometric Uncertainty Tool to allow user derived per pixel uncertainty values for Sentinel 2.</td>
</tr>
<tr>
<td>11:20</td>
<td>Morfitt (USGS)</td>
<td>Status of Radiometric Cal of Landsat 8 and comparison of OLI with Sentinel 2 MSI</td>
</tr>
<tr>
<td>11:40</td>
<td>CNES</td>
<td>Radiometric image quality of Sentinel 2</td>
</tr>
<tr>
<td>12:00</td>
<td>Poutier (ONERA)</td>
<td>Infrared in-flight Radiometric Calibration</td>
</tr>
<tr>
<td>~12:20</td>
<td></td>
<td><strong>Lunch</strong></td>
</tr>
<tr>
<td>13:20</td>
<td></td>
<td><strong>Sensors (new / current status)</strong></td>
</tr>
<tr>
<td>13:20</td>
<td>Murakami (JAXA)</td>
<td>JAXA Optical sensors</td>
</tr>
<tr>
<td>13:40</td>
<td>Goryl (ESA)</td>
<td>Status on Sentinel 3</td>
</tr>
<tr>
<td>13:50</td>
<td></td>
<td><strong>Satellite Surface temperature Validation</strong></td>
</tr>
<tr>
<td>13:50</td>
<td>Fox (NPL)</td>
<td>Progress on FRM4STS (Miami IV) comparisons for Land, Ocean and Ice temp validation</td>
</tr>
<tr>
<td>14:10</td>
<td></td>
<td><strong>GEO-SPATIAL image quality</strong></td>
</tr>
<tr>
<td>14:10</td>
<td>Helder (SDSU) / Viallefont (ONERA)</td>
<td>Progress on MTF best practices, test site catalogue etc (summary and conclusion of workshop)</td>
</tr>
<tr>
<td>14:50</td>
<td>CNES</td>
<td>Sentinel 2 Geometric image quality</td>
</tr>
<tr>
<td>15:10</td>
<td></td>
<td><strong>Break</strong></td>
</tr>
<tr>
<td>15:30</td>
<td></td>
<td><strong>Ocean Colour</strong></td>
</tr>
<tr>
<td>15:30</td>
<td>Zibordi (JRC)</td>
<td>Uncertainty requirements for in situ radiometric measurements supporting ocean color system vicarious calibration</td>
</tr>
<tr>
<td>15:50</td>
<td>Zibordi (JRC) / Murakami (JAXA)</td>
<td>IOCCG and OCR-VC updates and status IOCCG review/endorsement of white paper and plans (initiate)</td>
</tr>
<tr>
<td>15:50</td>
<td></td>
<td><strong>Including Discussion</strong></td>
</tr>
<tr>
<td>Time</td>
<td>Speaker</td>
<td>Topic</td>
</tr>
<tr>
<td>--------</td>
<td>-----------------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>16:30</td>
<td>Goryl (ESA)</td>
<td>FRM4SOC (ESA plans to support OC validation)</td>
</tr>
<tr>
<td>16:35</td>
<td><strong>Atmosphere effects on Radiometric Cal</strong></td>
<td></td>
</tr>
<tr>
<td>16:35</td>
<td>Thome (NASA)</td>
<td>Update on radiometric correction and CEOS WGCV project</td>
</tr>
<tr>
<td>16:50</td>
<td>Helder (SDSU)</td>
<td>SDSU Modtran atmospheric correction anytime anywhere (SMACAA)</td>
</tr>
<tr>
<td>17:10</td>
<td>CNES</td>
<td>MACCS: an Operational Atmospheric Correction Tool for SENTINEL-2 and LANDSAT time series</td>
</tr>
<tr>
<td>17:30</td>
<td><strong>End of Day 2</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Friday 20 November**

**Formal Welcome and Host Presentation**

- **09:00**
  - ONERA
  - Welcome and overview of institute and activities

**WGCV and cross-cutting activities**

- **09:30**
  - **Including Discussion**
  - Thome (NASA) (WGCV vice chair)
  - Update on WGCV activities/plans/structure and IVOS inputs/interactions
    - Cloud
    - DEM
    - Carbon strategy
    - Climate
    - Constellations
    - GSICS
    - Work plan
  - **Discussion**
  - Fox
  - New IVOS and or collaborative projects WGCV/GSICS
  - And/or Recommendations

- **10:45**
  - **Break**

- **11:15**
  - **Discussion**
  - Goryl (ESA)
  - Cal Val Portal & communication of groups activities

- **11:40**
  - CNES/ESA/USGS/NASA?
  - Update on status of cross calibration databases and tools

- **11:45**
  - Fox (NPL)
  - Review of actions / meeting

- **12:00**
  - All
  - Proposal/offers for Next meeting
  - Topics for discussion

- **12:10**
  - All
  - AOB

- **12:30**
  - **End of Meeting**
  - Lunch
IVOS, a subgroup of the Committee on Earth Observing Satellites (CEOS) Working Group on Calibration and Validation (WGCV) whose mission is to ensure high quality calibration and validation of infrared and visible optical data from Earth Observing Satellites and validation of higher level products.