



Context and purpose of this meeting

Bojan R. Bojkov

European Space Agency (ESA/ESRIN)

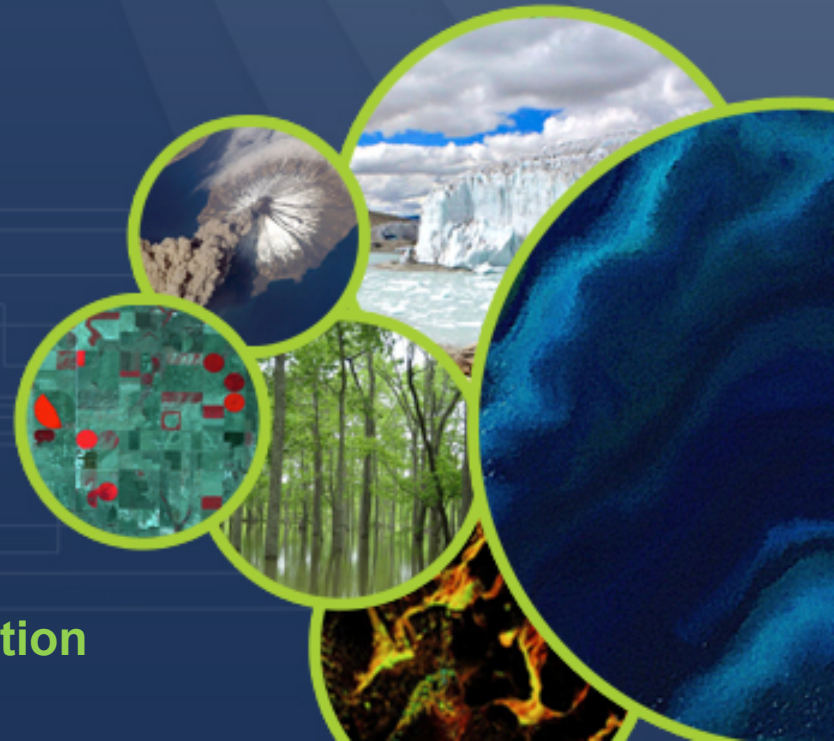
Agenda Item # 3

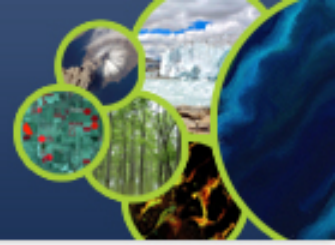
CEOS/WGCV activity planning meeting

Radebeul, Germany

24-25 February 2015

Working Group on Calibration and Validation



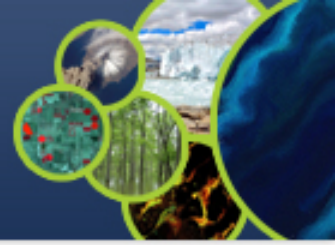


Context

With constantly improving sensor technology and IT capabilities over the last 15 years, EO retrievals have become more complex and discipline inter-related, for example

- Simultaneous aerosol and surface property retrievals;
- Inclusion of met. fields (incl. ocean surface properties) in MWR/NIR TCWV retrievals;
- Going to full atmosphere retrievals to “calibrate” ocean colour sensors (i.e. in CCI OC or presented at IOS in 2013);
- etc.

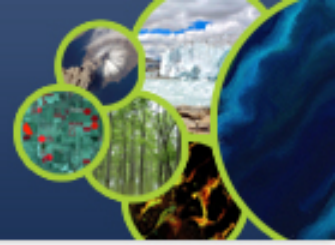
while requirements on EO data, esp. documentation, uncertainty, etc. have grown due to the support to services and down-stream activities.



Context (ii)

Also, in numerous international EO fora a significant number of recurring issues arise especially regarding auxiliary data such as for example:

- Spectroscopic differences, including basic information such as X-sections and the extraterrestrial solar constant F_0
- The need by users for better AC from arid zones to high-latitudes
- Cloud detection differences... leading to different trends/retrievals
- DEM differences in product inter-comparisons (for example during QA4EO SnowPEX)
- Best practices for the conversion of meteorological fields such as cthe conversion from model levels to altitude/pressure levels
- etc.

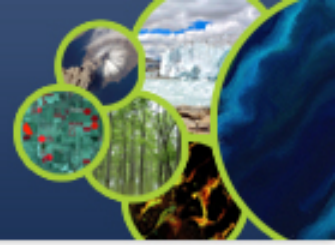


Context (iii)

Some considerations in the frame of CEOS/WGCV:

1. **Reminder: CEOS/WGCV is the preferred forum for discussion and coordination between space agencies (CGMS is for the met. agencies)**
2. Last initiative by WGCV was QA4EO... *although conceptually clear, QA4EO remained a theoretical exercise without a clear implementations within sub-groups or across activities?*
3. There are numerous issues affecting more than one WGCV sub-group... *the easy targets (as discussed in College Park) are cloud screening, atmospheric correction and DEM*

Note, other EO working groups, WMO/GSICS, WMO/SCOPE-CM, IOCCG have clear project mechanisms that are project/task oriented... including dedicated projects, or include technical reports, workshops, etc.



Purpose

CEOS/WGCV is a forum where cross-disciplinary activities could converge naturally, so in addition to Albrecht's points before:

1. You are invited to share your experiences and ideas on how cross-cutting activities, projects or tasks, could be implemented effectively within the CEOS/WGCV framework
2. Shall we follow WMO/GSICS or WMO/SCOPE-CM approaches?
3. We initially propose projects addressing atmospheric correction, clouds and DEMs... *but these may or may not be suitable and there are certainly other activities that can be considered.*

Structure of this preparation meeting are introductory talks followed by break-out sessions for detailed discussion