



Committee on Earth Observation Satellites

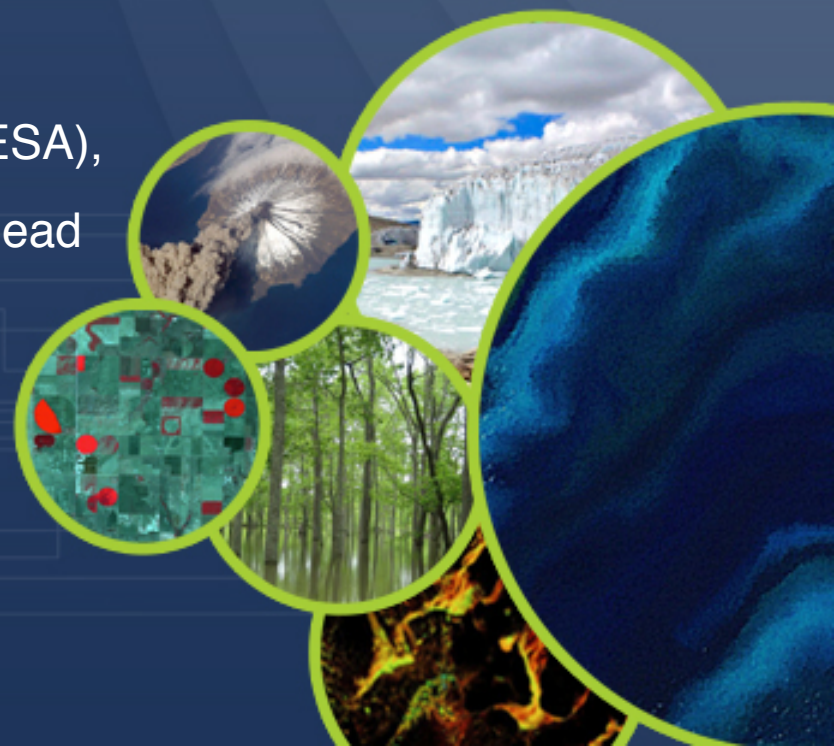
Atmospheric Composition Virtual Constellation 15: Leadership and Planning

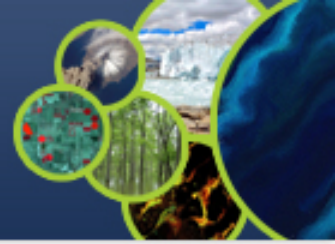
Jay Al-Saadi (NASA) and Ben Veihermann (ESA),
AC-VC co-chairs; Dave Crisp (NASA), GHG lead

CEOS AC-VC-15

Nakano Sun Plaza, Tokyo, Japan

10 – 12 June 2019

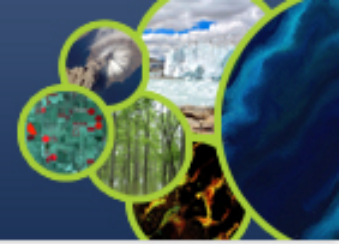




- An action from 2018 Plenary that was due for the April 2019 Annual Strategic Implementation Team (SIT) Meeting:

CEOS-32-12	Virtual Constellation Co-Leads to propose at SIT-34: a documented approach to VC leadership that includes a leadership rotation cycle. Each VC has the liberty to propose different time cycles.	SIT-34
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- What AC-VC proposed April 2019 for leadership cycle
 - No set term limits, but include a dedicated discussion of leadership rotation during annual AC-VC meeting
 - Allows flexibility to adapt to new focus activities being undertaken
 - Encourage a vice-chair period (6-12 months) to aid succession
 - Consider expanding to 3 co-chairs, given geostationary perspective
 - Nominally Europe, USA, and East Asia but extensible in future



VCs were created to *address gaps* in missions and *inform agencies on how to plan* for future missions, *maintain continuity of measurements* and climate records, and *avoid duplication and overlap* in EO missions.

- Four Prototype VCs created at SIT-19 (Sep 2006) to “give balance across different domains and geographies with an eye on leverage of international linkages to support continuity of funding for missions at the time which were under some threat”

Ocean Surface Topography (NOAA and EUMETSAT)

Land Surface Imaging (USGS)

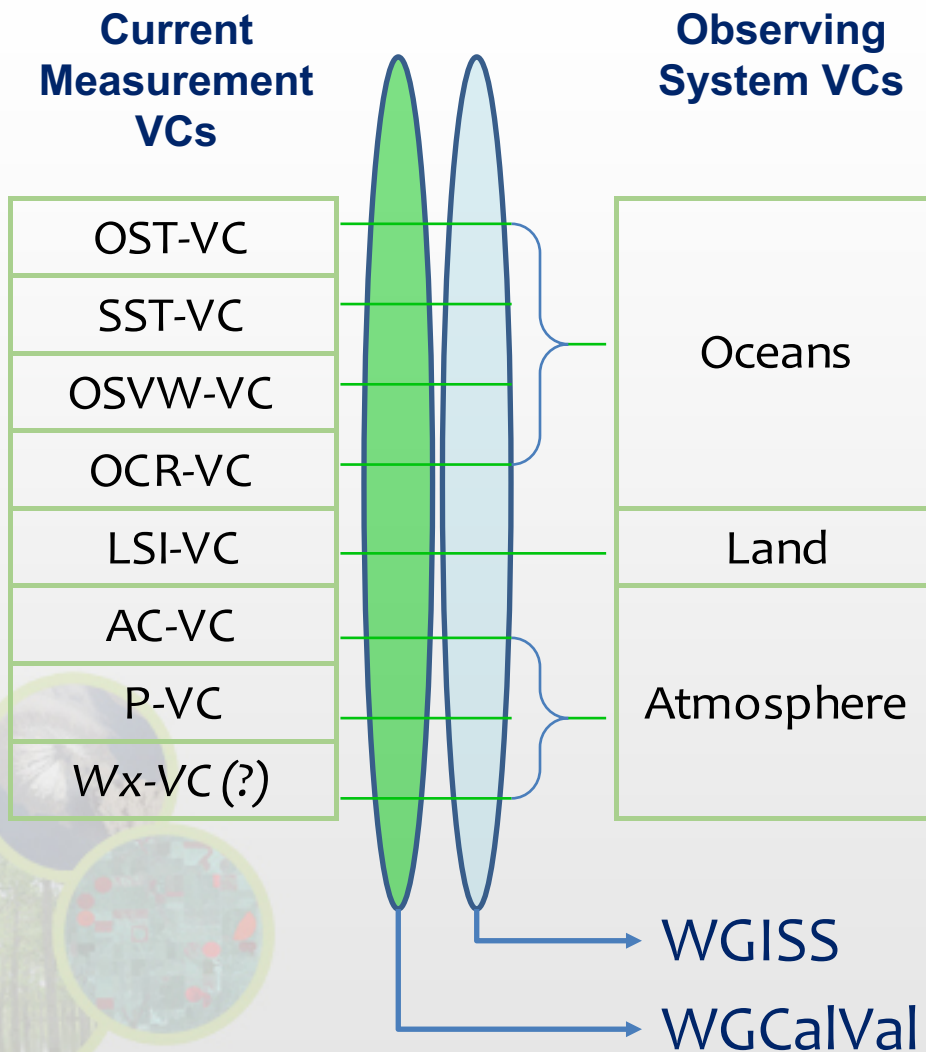
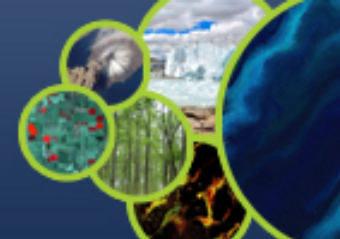
Atmospheric Composition (NASA)

Precipitation (JAXA and NASA)

Atmospheric Composition	Land Surface Imaging	Ocean Surface Topography	Ocean Surface Vector Winds	Ocean Colour Radiometry	Precipitation	Sea Surface Temperature
Co-Leads: NASA, ESA	Co-Leads: USGS, ESA, GA	Co-Leads: CNES, EUMETSAT	Co-Leads: NOAA, ISRO, EUMETSAT	Co-Leads: ESA, NASA	Co-Leads: JAXA, NASA	Co-Leads: NOAA, EUMETSAT

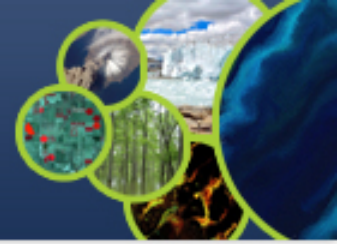
“The interim goal of a Constellation is to demonstrate the value of a collaborative partnership in addressing a key observational gap; the end goal is to sustain the routine collection of critical observations. Implementation of Constellation activities is ultimately dependent on the coordination of formal agreements among participating agencies.”

- Virtual Constellations Process Paper 2013



2019/04 Status:
Under member
agency discussion

2019/04 Status:
Not considered for
at least 2 years



- The AC-VC leadership/succession proposal
- AC-VC remains one of the most vibrant VCs. Are strategic adjustments needed to continue to meet our objectives?
 - VCs were created to address gaps in missions and inform agencies on how to plan for future missions, maintain continuity of measurements and climate records, and avoid duplication and overlap in EO missions.
- Next meeting location and tentative dates
 - 2014 Washington DC NOAA/NASA
 - 2015 Frascati IT ESA
 - 2016 Seoul KR NIER
 - 2017 Paris FR CNES
 - 2018 Washington USA NOAA/NASA
 - 2019 Tokyo JP JAXA
 - 2020 Europe?
- Other topics?