LSI-VC Update

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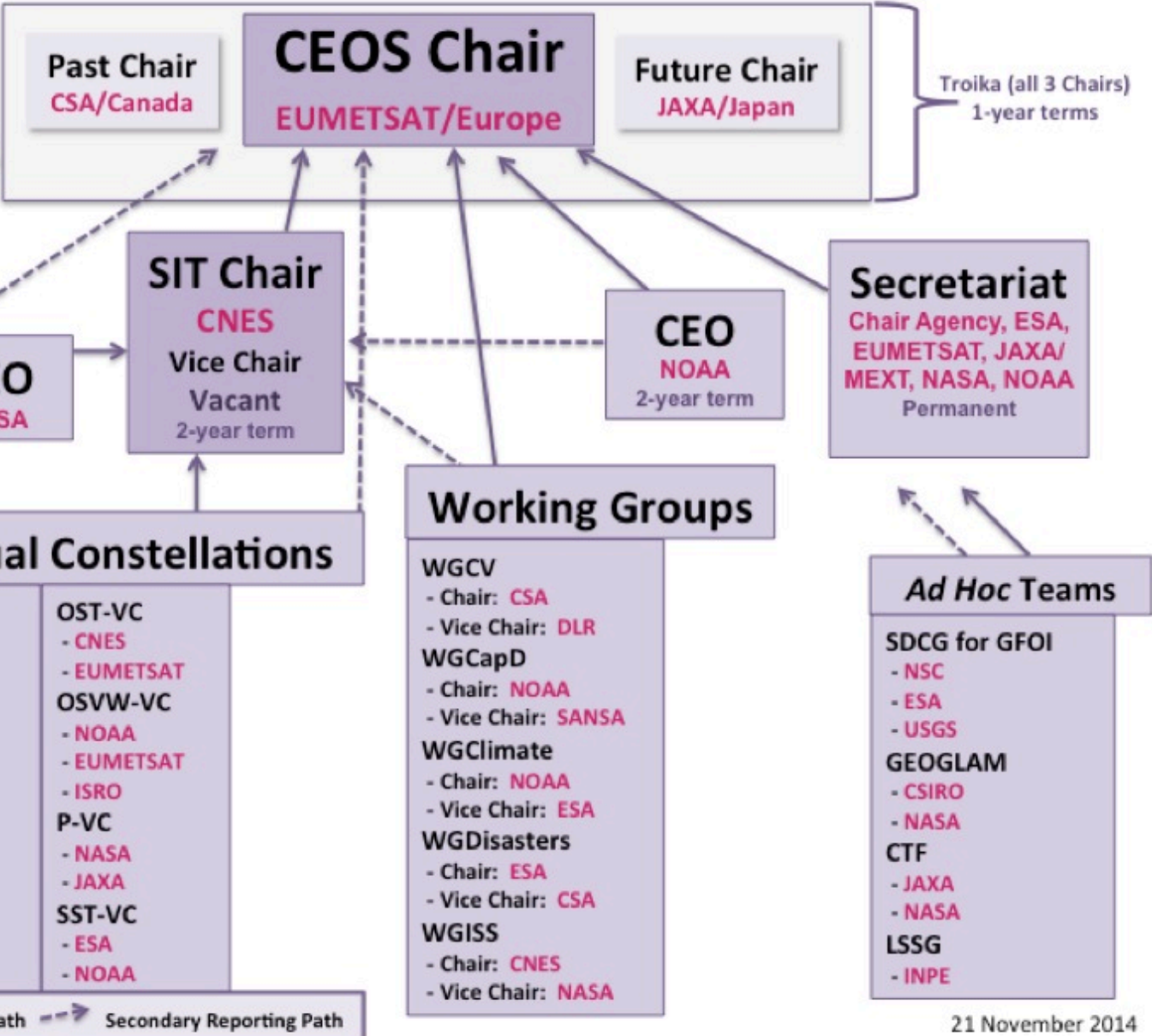
38th CEOS Working Group on Calibration and Validation Plenary (WGCV-38)

1 October 2014

CEOS
Committee on Earth Observation Satellites

2013-2014

Past Chair
CSA/Canada

CEOS Chair
EUMETSAT/Europe

Future Chair
JAXA/Japan

Troika (all 3 Chairs)
1-year terms

SIT Chair
CNES
Vice Chair
Vacant
2-year term

SEO
NASA

CEO
NOAA
2-year term

Secretariat
Chair Agency, ESA, EUMETSAT, JAXA/ MEXT, NASA, NOAA
Permanent

Virtual Constellations

AC-VC
- NASA
- ESA
LSI-VC
- INPE
- ISRO
OCR-VC
- ESA
- NASA
- NOAA

OST-VC
- CNES
- EUMETSAT
OSVW-VC
- NOAA
- EUMETSAT
- ISRO
P-VC
- NASA
- JAXA
SST-VC
- ESA
- NOAA

Working Groups

WGCV
- Chair: CSA
- Vice Chair: DLR
WGCapD
- Chair: NOAA
- Vice Chair: SANSA
WGClimate
- Chair: NOAA
- Vice Chair: ESA
WGDisasters
- Chair: ESA
- Vice Chair: CSA
WGISS
- Chair: CNES
- Vice Chair: NASA

***Ad Hoc* Teams**

SDCG for GFOI
- NSC
- ESA
- USGS
GEOGLAM
- CSIRO
- NASA
CTF
- JAXA
- NASA
LSSG
- INPE

→ Primary Reporting Path - -→ Secondary Reporting Path

21 November 2014

So …is there a problem?

LSI Position Paper

The Need

Land is important. We all depend on it.

Flexible space assets that can serve many domains across many SBAS are good!

But how do we ensure that:

- Use of assets (satellites, ground stations, communications and data storage) is coordinated and optimised.
- Potentially conflicting acquisition priorities are effectively managed across domains.
- Agency programs are sustainable in the long-term, maximising the likelihood that long-term continuity of data required to deliver current & future societal benefit.
- Users, activities and entities are supported to ensure the data actually get used, addressing real user requirements across a wide variety of domains and promoting and encouraging openness and inclusivity among data providers.

**How can we help the contacts at the space agencies
who are trying to do their best to provide
data to support all the great ideas?**

Options to Consider

Options

The following primary options have been identified:

Option	Concept
1	Do nothing (i.e. allow the Land surface imaging VC to dissolve)
2	Land surface imaging VC – end to end
3	Land surface imaging VC – space segment and associated land imaging assets
4	Multiple VCs (optical land, radar land, thermal land)

Criteria

SIT Tech. Workshop 2014
CNES, Montpellier, France
17th-18th September 2014

Top Down Analysis Criteria

- How well are the CEOS objectives supported?
- How much benefit is there likely to be to internal stakeholders?
- How much benefit is there likely to be to external stakeholders?
- Does the approach align with the defined roles of Working Groups and Virtual Constellations?
- Does it address an unmet need in the existing organisational mechanisms?

These criteria were derived from guiding documents.

Bottom Up Analysis Criteria

- Does it address a real and pressing issue that needs action right now?
- Do agencies possess the necessary personnel and fiscal resources to support the initiative?
- Will a critical mass of key agencies support it, and does it provide feasible avenues for other agencies to participate?
- How well does it leverage, and support, existing activities and mechanisms?
- Is there a logical pathway to 'kick off' and 'ramp up' the new initiative?

These criteria were derived from guiding documents.

… And is there a solution?

Can it work?

- Analysis showed a prima facie solution.
- But it was undertaken by a very small group.
- And it is unclear:

Will a critical mass of key agencies support it?

Does it provide feasible avenues for other agencies to participate?

Next Steps

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Immediate next steps:

- Finalize Options **(complete)**
- Finalize Top Down and Bottom Up Criteria **(complete)**

Form an evaluation team composed of CEOS internal stakeholders:
- Develop a standard scoring for each identified criteria
    - 1-10 scale tricky
    - Perhaps 'Strong disagree … to … Strongly agree'
- Perform an analysis for each option

Results would need to be completed by mid-October and it is proposed that they will be presented at the CEOS Plenary

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