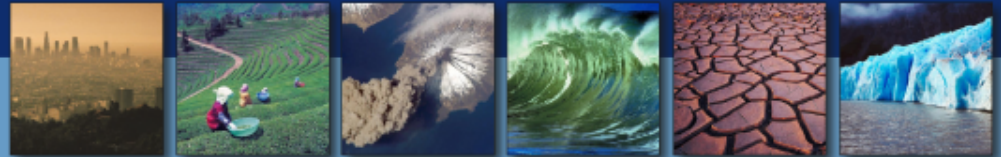


CEOS SST-VC Report to GHRSSST XIX

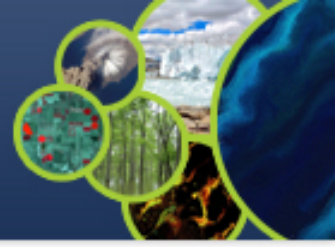
Kenneth S. Casey and Anne O'Carroll on
behalf of the SST-VC members

GHRSSST XIX, EUMETSAT, Darmstadt, Germany,
4-8 June 2018

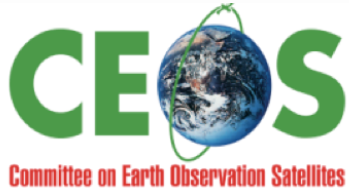


esa





SST-VC



The First Iron bridge in the world, Shropshire, United Kingdom,
Built by Abraham Darby, 1781

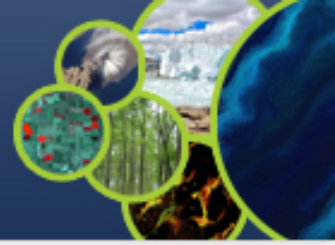
- The Committee on Earth Observing Satellites (CEOS) SST Virtual Constellation (SST-VC) serves as the bridge between the international SST community, GHRSSST, and the coalition of national space agencies, CEOS



- The SST-VC spent the last year focusing on a narrower number of activities specifically identified in the CEOS Work Plan:

VC-1	List of Relevant Datasets from VCs
VC-19	Documented Plan for the SST Virtual Constellation

- Took part in inter-sessional teleconferences with the CEOS Strategic Implementation Team (SIT) Chair.
- Presented and participated at 2017 SIT Technical Workshop in Frascati.
- Presented and participated at 2018 SIT-33 in Boulder.
- Presentation on PMW SST to ECMWF / ESA workshop on using low frequency passive microwave measurements in research and operational applications.
- Welcomed Sujuan Wang (CMA), Chu-Yong Chung (KMA).
- New NASA representative (Ed Armstrong).
- Strengthening commitment from SANSA.

**VC-1**

List of Relevant Datasets from VCs

- 87 Group for High Resolution SST (GHRSSST) products now in archive
- Collection-level and granule-level discovery and access fully web-service enabled (CSW, OpenSearch, OAI-PMH plus DAP, WMS, WCS) are maintained and upgraded with new capabilities and performance
- [Search the GHRSSST collections](#) or [browse the full product table](#), both dynamically and automatically updated
- Updates to CWIC are fully operational
- GHRSSST Data Specification (GDS) Version 2 fully operational
- Products span September 1981 – May 2018
- 6.7 million NetCDF data files, 146 Terabytes in collection and growing
- Served over 319,720,600 files, amounting to over 2.15 Petabyte of information, to over 246,200 users*
- GHRSSST Regional/Global task sharing framework looking toward future

VC-19

Documented Plan for the SST Virtual Constellation

- SST-VC developing a whitepaper on the next generation SST Virtual Constellation, including necessary on-orbit assets, measurement methods (MW and IR, Geo and Polar), fiducial reference measurements, and data management systems
- Whitepaper Status:
 - Final draft in preparation
 - Will be focus of this years SST-VC meeting
 - Preliminary reviews and preparation took place at GHRSSST-17/18
 - Writing task assignments completed over the last year
 - Publication targeted for 2018