

CEOS SST-VC Status and Issues

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behalf of the SST-VC members

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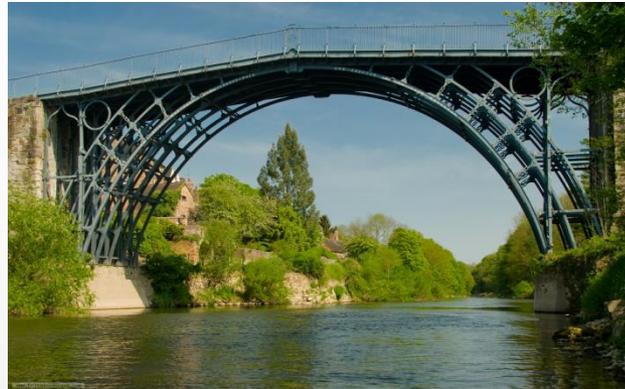
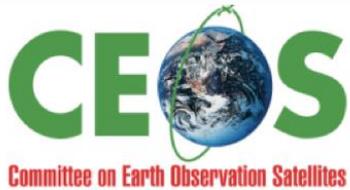


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SST-VC



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 2015 SIT Technical Workshop in Darmstadt.
- Satellite Oceanography User Workshop, Melbourne, 9-11th Nov 2015
<https://www.ghrsst.org/ghrsst/Meetings-and-workshops/satellite-oceanography-user-workshop/> (Helen Beggs).
- Welcomed Dr Pradeep K Thapliyal (ISRO) October 2015 as new member.
- Presented and participated at SIT-31 including PMW constellation for SST.
- SST-VC presentation to IOVWST in Sapporo, May 2016 (Misako Kachi).
- Preparations for SST-VC presentation to CGMS-44 (remotely on 7th June) on PMW constellation for SST.

**VC-1**

List of Relevant Datasets from VCs

- 81 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 – June 2016
- 5.6 million netCDF data files, 109 Terabytes in collection and growing
- Served over 250,000,000 files, amounting to over 1 Petabyte of information, to over 175,000 users*
- GHRSSST Regional/Global task sharing framework looking toward future

* Statistics through April 2016 for LTSRF and July 2015 for GDAC (needs updating)

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:
 - Draft in preparation
 - Will be focus of this years SST-VC meeting
 - Preliminary review will take place here at GHRSSST-17
 - Final work and preparations to follow
 - Publication targeted for later in 2016