The NASA contributed activities were carried out at the Jet Propulsion Laboratory, California Institute of Technology, under a contract with the National Aeronautics and Space Administration. Dedicated funding for PO.DAAC activities is through a grant from NASA's ESDIS Project.

Committee on Earth Observation Satellites

SST-VC

Edward M. Armstrong, NASA JPL, California Institute of Technology, CEOS SST-VC co-lead

Anne O'Carroll, EUMETSAT, CEOS SST-VC co-lead (outgoing)

Christo Whittle, SANSA / CSIR, CEOS SST-VC co-lead (incoming)

CEOS SIT Technical Workshop 2020

Session and Agenda Item 3.4: VC Showcase

Virtual Meeting 7-11 and 14-18 September 2020

Team status and achievements

- **Membership:**
  - Ed Armstrong, NASA (co-lead since 2019, replacing Ken Casey).
  - Anne O'Carroll, EUMETSAT (co-lead since 2015, outgoing 2020).
  - Christo Whittle, representing SANSA (2020, incoming co-lead, replacing Anne).
  - Active participation from CMA, KMA, ISRO, NASA, NOAA, EUMETSAT, BoM, ESA, JAXA, SANSA.

- **Key-points:**
  - Ninth CEOS SST-VC meeting held online, alongside the annual GHRSST-online Science Team meeting in June 2020.
  - CEOS SST-VC white paper completed for publication.
  - 100+ standardized GHRSST products, spanning ~8 million CF/ACDD netCDF data files, ~200 TB, from Sep 1981 – Aug 2020

CEOS Operations in the Global Community – R/GTS Evolution

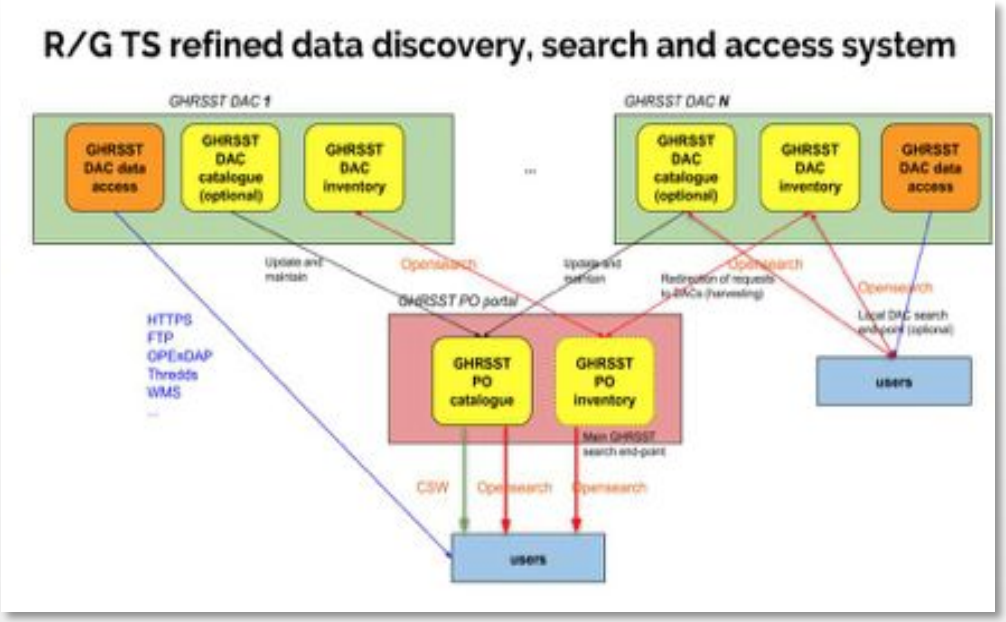
GHRSST Regional / Global task sharing (R/GTS) framework evolution continues, toward implementation of a federated distribution architecture.

Report on R/GTS evolution prepared and released. The final consolidation was completed with the GHRSST science team over the last year.

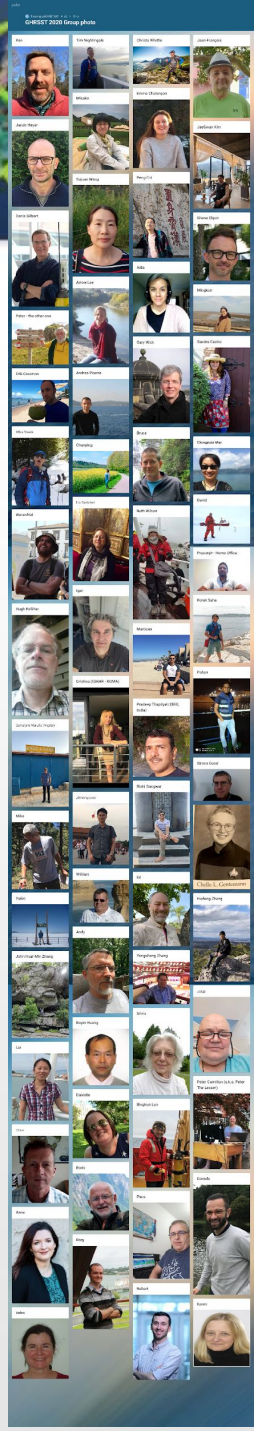
https://www.ghrsst.org/wp-content/uploads/2020/02/GHRSST-Regional_Global-Task-Sharing-R_G-TS-v1.0rev1.pdf

Pilot phase completed, demonstrating federated catalogue at IFREMER capable of consolidating discovery from NASA and NOAA.

Implementation phase starting soon.



GHRSST-XXI-online Science Team meeting, 1-4 June 2020



- 145 participants, a combination of pre-recorded presentations covering 5 science sessions, padlet posters, forum discussions, and Task Team activities. All resources available from:

https://www.ghrsst.org/meetings/21st-ghrsst-international-science-team-meeting-g-xxi/

- Use of the EUMETSAT 'moodle' platform to facilitate working teams and promote more inter-sessional work. Current Task Teams include: GHRSST climatology and L4 inter-comparison; R/GTS; Coral Heat-Stress; Pixel to Pixel Variation; Ship-born radiometry; High-latitude; SSES and L4; Matchup-dataset

- The Coral Heath Stress User Requirements Task Team was set up to produce recommendations to agencies wishing to produce SST products for Coral Heat Stress Users. The Task Teams first report can be found here:

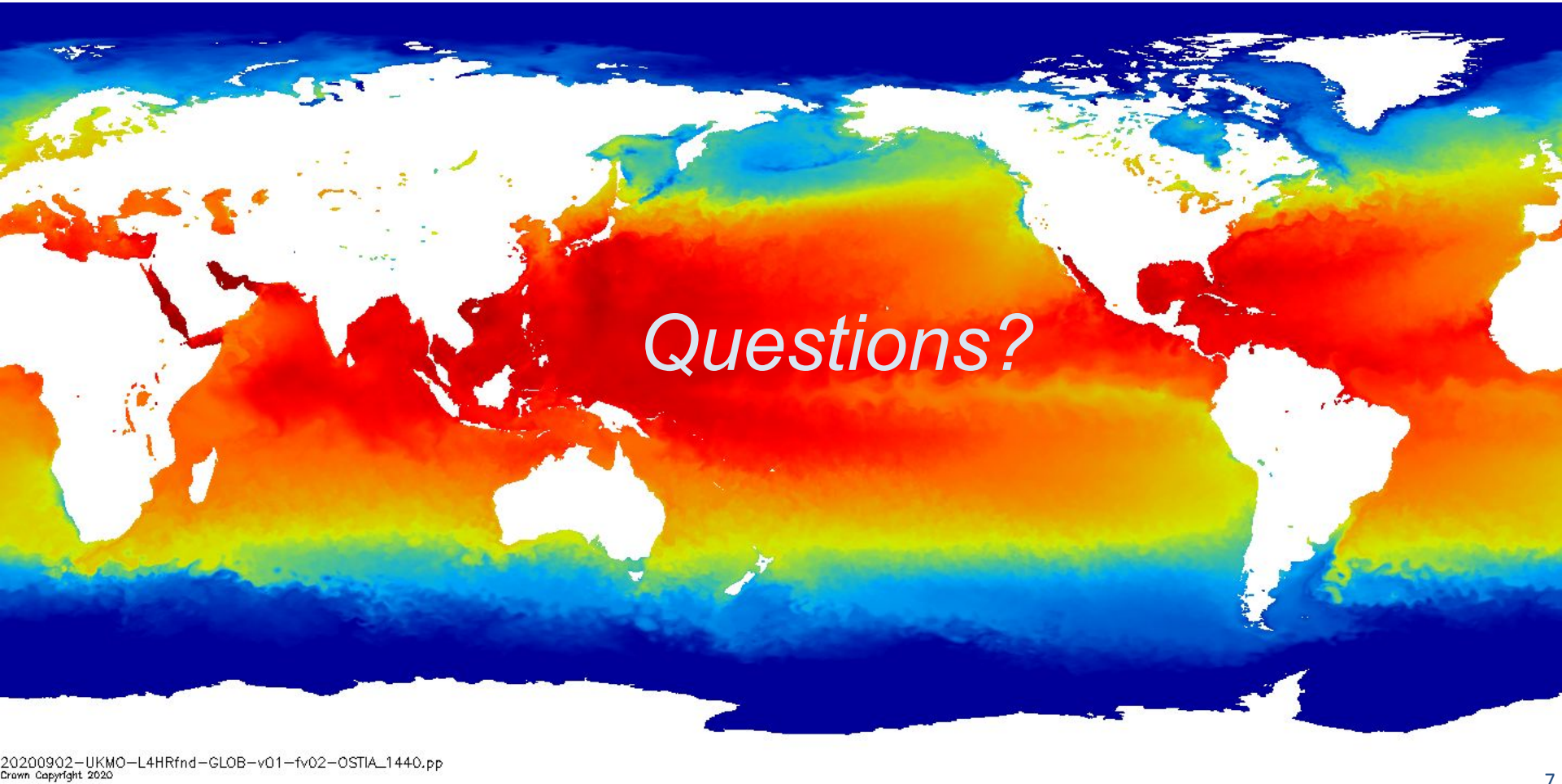
https://www.ghrsst.org/wp-content/uploads/2020/08/GHRSST_Coral_Heat_Stress_User_Requirements_v1.0.pdf

Further SST-VC activities

- Build on the results of Ocean SST ARD presentation in section 2.2 (Weds)
  - Continue to survey more GHRSST datasets focusing on data formats and metadata structures, variables, services, storage, cloud optimization, and data recipes
  - Engage other VCs and ARD collaborators (e.g., CEOS COAST)
  - Report or review presentation by April 2021
- Provide recommendations for improving search relevancy and data access across CEOS VC partners (Ongoing work within GHRSST)

Long-term SST-VC goals

- Engaging early career scientists.
- More collaboration with other VCs on common themes e.g. coasts
- GHRSST data management evolution
- Search relevancy / decision trees based on GHRSST product search. This is likely to be built on through the GHRSST activities.
- SST-VC will maintain SST needs on Passive Microwave Radiometers


Questions?
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