

22nd GHRSSST Annual International Science Team Meeting

Report from GHRSSST XXII

AC meeting

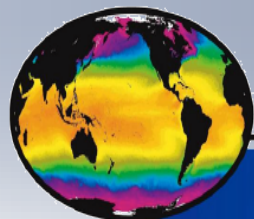
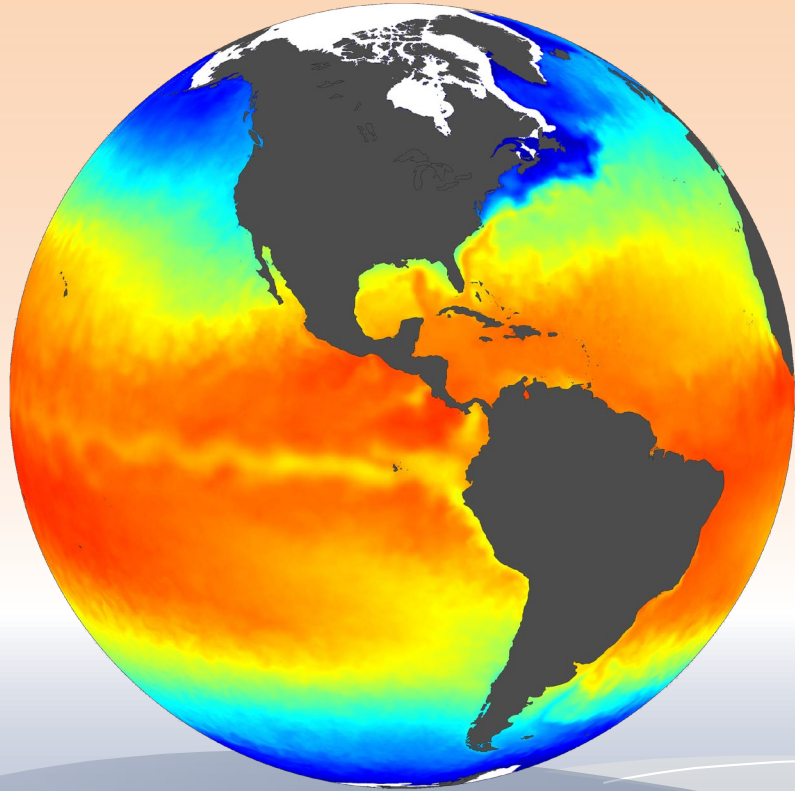
Tuesday 8th June 2021

On-line

04:00-06:30 UTC

Igor Tomazic, AC chair

EUMETSAT



GHRSSST

*Group for High Resolution
Sea Surface Temperature*

*To provide operational users and the science community
with accurate SSTs measured by the satellite constellation*



CEOS Committee on Earth Observation Satellites
Sea Surface Temperature Virtual Constellation

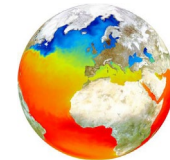
Agenda



1. Opening and welcome
2. Apologies for Absence
3. Accept Minutes of Meeting from last meeting
4. Items of Any Other Business (AOB)
5. Review of Actions from previous Meeting
6. CEOS SST-VC and GHRSSST coordination (EA and CW)
7. CEOS COVERAGE status (JV)
8. R/G TS evolutions and GHRSSST cataloguing / inventory (JFP)
9. Report from GHRSSST PO (KV)
10. Update of GHRSSST Terms of Reference
11. GPO transition
12. GDIP 2020-2021 (GPO)
13. Collaboration software for GHRSSST
14. Next GHRSSST meetings and Covid-19 impacts / considerations
15. AOB
16. Confirmation of new AC members and review of member list. - Discussion of new ST rep on AC.
17. Review of Actions
18. Rotation and Election of new GHRSSST AC Troika
19. Date and location of next meeting
20. Thanks and close

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Attendance



A. O'Carroll	GHRSSST ST Chair
C. Donlon	ESA
K. Casey	NOAA NCEI
C. Gentemann	MISST
L. Santoleri	CMEMS
J. Vazquez	NASA
I. Tomazic	EUMETSAT
S. Saux-Picart	OSI-SAF
J-F. Piolle	IFREMER/GDAC
C. Mao	Meteoffice UK
M. Kachi	JAXA
T. Sakurai	JMA
B. McKenzie	NAVO
H. Beggs	Australian BoM
J. Hoeyer	DMI
K. Veal	GHRSSST PO
S. Wang	CMA China
C. Whittle/E. Armstrong	CEOS SST-VC (invited)
C. Merchant	C3S (invited)
C. Bearzotti	Incoming GHRSSST PO (invited)

Excused:
Chongyuan Mao
Metoffice UK

22nd G



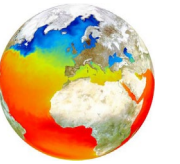
CEOS SST-VC



- Christo Whittle took over as co-lead from Anne O'Carroll in Oct 2020
- Discussion on CEOS Analysis Read Data (ARD)
 - Initially focused on land products: interoperability, common format, validation, ...
 - ARD evolution: "ARD Beyond Land" – including aquatic, atmospheric....
 - How applicable is for GHRSSST products and if GDS2 compliance can lead to ARD
 - Should we have to update GDS in the future so all GHRSSST products are ARD
 - Applicable mainly for \geq L3 GHRSSST products
- SST Constellation Whitepaper published on CEOS website

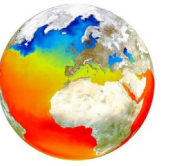
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CEOS COVERAGE



- Cross-cutting collaborative effort involving different CEOS Ocean VCs + GEO-MBON and GEO-Blue planet
- Platform to provide access to satellite & in situ datasets
 - Interagency data products from 4 Ocean VCs (SST, OC, Wind, SSH): 0.25 deg (L4)
 - Web based visualization, analytics services, integrated search
 - Implemented prototype: <https://coverage.ceos.org> (Phase B)
 - Distributed architecture: AWS and WEkEO + in situ nodes
 - example thematic Ecosystem application: *“High-seas Fisheries & Biodiversity in relation to the Environment”*
- Phase C: full implementation: just initiated (June 2021) for 1.5 y
 - Enhancement, high resolution, expanded regional applications, ...

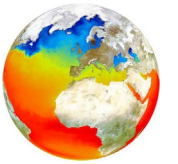
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- R/G TS starting with actual implementation of catalogue
- Completed GHRSSST Development and Implementation Plan (GDIP) 2020 – 2021
- Annual Report 2020 published on ghrsst.org
- Coral Heat Stress SST User Needs Document published
- Updated GHRSSST data specification (GDS) tables

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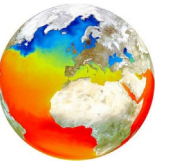
Collaboration software for GHRSSST



- Collaboration software way forward document is almost completed
 - GPO is performing final review – to be circulated to ST
 - Examining what protocols are allowed within different agencies, checking allowed licenses
- Addressing software for the next ≥ 5 years (e.g.):
 - Zenodo: open access long term citeable (DOI) repository
 - presentations, posters, images, software, lessons, datasets?
 - Tags: GHRSSST community, ST, TT
 - Github: for code repositories (free)
 - Slack: for communication (investigating free or paid version)
 - Moodle: online forums, wiki, ...

... **22nd GHRSSST Annual International Science Team Meeting**

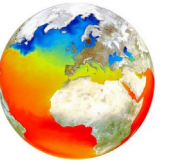
Transition of GPO to DMI



- GPO to transfer to DMI 18th July 2021
 - Chiara Bearzotti as Coordinator
 - Pia Wind as Administrator
 - Jacob Høyer will manage DMI activities
- Transfer of ghrsst.org domain to DMI on 1st July 2021
 - gpc@ghrsst.org and gpa@ghrsst.org emails
- Website transition without interruption

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GHRSSST 25 years (2024)

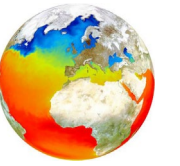


Celebration of 25 years of GHRSSST (2024):

- special GHRSSST issue
 - E.g. Oceanography Society (other suggestions?)
 - start with preparation (GPO)

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AC ToR and members updates



AC ToR update:

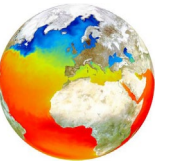
- To encourage and support new data and communication technology

New AC Members:

- NAVO: Bruce McKenzie (replacing Doug May)
- CEOS SST-VC: Ed Armstrong / Christo Whittle (current co-leads)
- C3S SST project: Chris Merchant

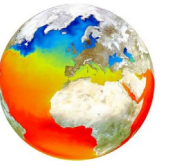
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Next GHRSSST meetings



- Consensus to try for an in-person GHRSSST meeting in 2022
- Will still need to have a large virtual aspect for people who can't travel there -> need hybrid meetings
- Expect to continue with excellent virtual aspects at all future GHRSSST meetings
- GHRSSST attendance approx. doubled in size with the virtual meetings so good to keep new participants able to contribute
- More details about next meeting in wrap up slides

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2020/2021 Troika

- Incoming chair (Secretary): Jorge Vazquez (JPL)
- Chair: Igor Tomazic (EUMETSAT)
- Outgoing chair: Stephane Saux Picart (Meteo-France)

2021/2022 Troika

- Incoming chair (Secretary): Misako Kachi (JAXA)
- Chair: Jorge Vazquez (JPL)
- Outgoing chair: Igor Tomazic (EUMETSAT)

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