

Wrap up

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Task team planning/activities—>GPO

We want to hear from you before the next meeting in 2023!

Keep in touch:

Publications?

Progress (or lack thereof)

Results?

Members in the teams?

Share info with us, we can help you share on:

Slack

Vimeo

Github

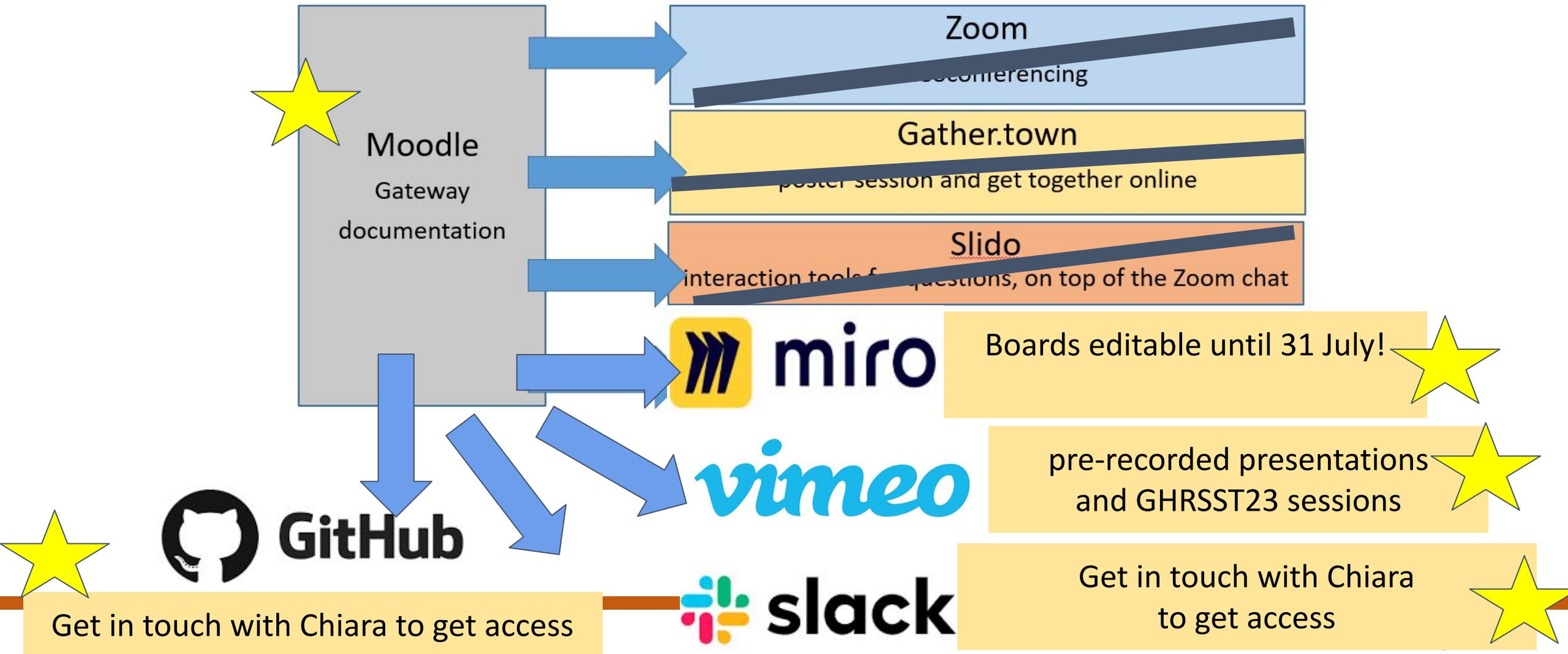
Web page

Moodle fora

Twitter

Newsletter

GHR SST23: Up and running for longer



Work to be done together

Review of actions

“Actions” are defined by the Advisory Council for the ST and the GPO to implement

- **All of us:** GDS tables, official OA data policy, transition to the central catalogue
- **GPO** to rethink the format of the international science team meeting for attracting **early-career scientists (ESR) and users** and be more content-driven/**AC/22/03**
- **GPO with ST members** to increase participation of ESR in GHR SST (list of formats)/**AC/22/04**
- **ST members supported by GPO** to make GHR SST activities and data more visible (list of ideas)/**AC/22/05**
- Accessibility of GHR SST presentations: compliance of **all ST and presenters** /**AC/22/06**

Work to be done 1

WHO: All ST members, DACs and data producers, R/G TS task team, GPO

What: GDS 2.0 tables, official data policy, transition to central Catalogue → See also the slides and presentation by JF Piolle on the evolution of the regional/global task sharing

Discussion on GDS2 Tables and official policy of GHRSSST dataset, transition to data catalogue

- GDS2 Table
 - No instructions for DAC and data producers, who want to implement the GDS, are found in current GHRSSST web site.
 - Instructions (manual, tested by beta testers) + checker code to be updated for new GDS2.1 and prepared for agencies.
- GHRSSST official data policy
 - Need simple process (such as checklist) to confirm if new dataset is GDS compliant. Checklist will be included in the manual above.
 - R/G TS review board process to check compliance will be needed.
 - AC recommends to follow proposal as presented/discussed during the ST meeting
- Transition to central catalogue
 - For DACs without Opensearch capability, only catalogue entry but without search entry.
 - In the future, it could be possible to implement some solution.

Work to be done 2

WHO: GPO with the support of ST members

AC/22/03

What: Increase participation of early-career researchers in GHR SST

- Creating a series of regular recurring informal virtual talks “ghrSST talks” for younger SST professionals to present their results to senior GHR SST scientists, exchange, share and grow their network.
- Seating up a Virtual Workshop in May 2023 (thematic for ESR).
- Creating an ambassador network of early career researchers.
- GPO to contact ESR participating in GHR SST-XXIII to ask for feedback on their possible lead for the thematic virtual workshop in May 2023 and feedback on how they would like to be involved.
- Creation of SST training plan (Panel Discussion (PD1: Training formats on SST))

Work to be done 3

WHO: ST members supported by GPO

AC/22/05

What: Increase visibility of GHR SST activities and data, sharing resources in open access

- Targeting events like AGU, EGU, UN Decade for a Sustainable Ocean, Ocean Science (Calls for session proposals) or science-policy events.
- GHR SST need more participations and lead, **but also availability of ST members to join and take lead** in organizing sessions at major events, with the support of the GPO.
- For the 25th anniversary: Establishing a roadshow of GHR SST contents at major events worldwide to celebrate what GHR SST achieved.
- Ask agencies to provide Outreach Officers contacts at their end for more interaction and updates and to grow the networking.

Work to be done 3

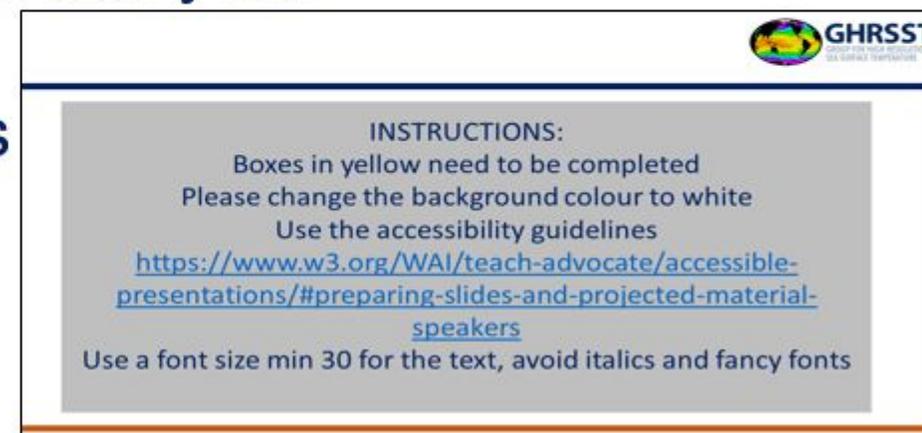
WHO: GPO, but ST members need to comply

AC/22/06

What: Increase accessibility of presentations, materials

Test phase with GHRSSST-XIII

- A must for next year, captioning of presentations
- Templates to be made available like in this year
- Presenters obliged to comply to the accessibility guidelines and templates



 **GHRSSST**
GROUP FOR HIGH RESOLUTION
SEA SURFACE TEMPERATURE

INSTRUCTIONS:
Boxes in yellow need to be completed
Please change the background colour to white
Use the accessibility guidelines
<https://www.w3.org/WAI/teach-advocate/accessible-presentations/#preparing-slides-and-projected-material-speakers>
Use a font size min 30 for the text, avoid italics and fancy fonts

More actions & work to do resulting from the Panel discussions

PD1: Training formats on SST

Session aims:

1. exchange thoughts/experiences on training (SST & beyond) (panel discussion)
2. gather experiences and needs from the community present (Slido)
3. begin planning activities, both courses and resources (Miro)

- Interactivity & motivation key
- Use video, physical props, demos etc.
- Use different tools: slido, jamboard, Miro
- Get people trying something!
- Reduce passive learning
- Just plot! First way to see strengths & weaknesses

Training approaches

PD1: Training formats on SST

Resources

- Jupyter Notebooks: consider sustainability/interactivity!
- Communities of practice to help resources stay up to date
- SST for dummies
- Product **level** guides and tutorials are key
- Translation (with partners), but remember sustainability!

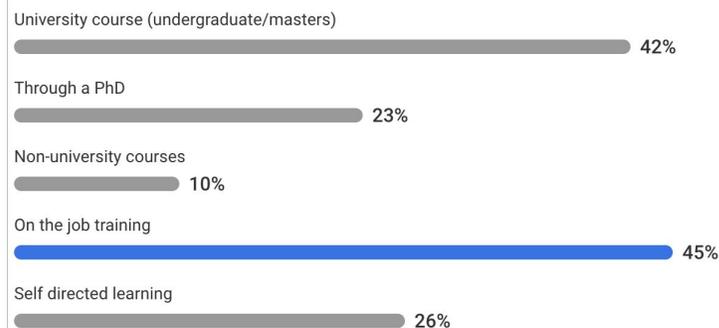
Audiences & platforms

- Focus more on inexperienced L4 users
- More training alongside science meetings
- More recorded lessons & Q&A
- Curriculum design with University partners.
- GHRSSST catalogue for online guidance (prompt questions)

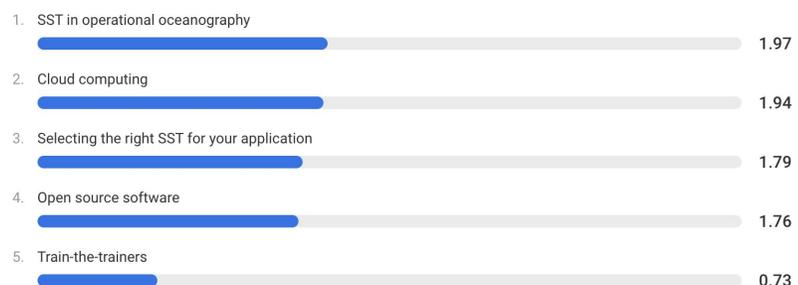
PD1: Training formats on SST

Slido questions:

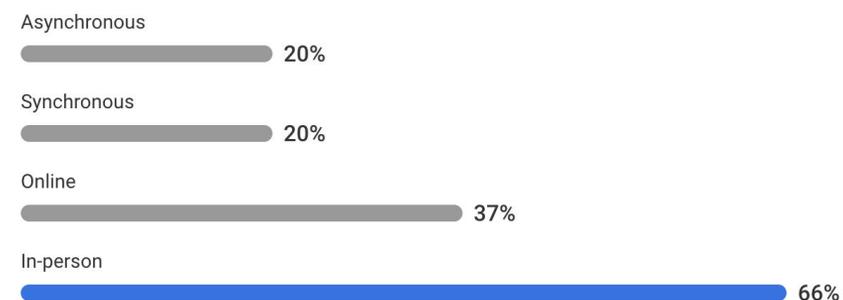
1. How did you learn about SST?



2. Which training would you see as the highest priorities for you (or those you work with/support)?



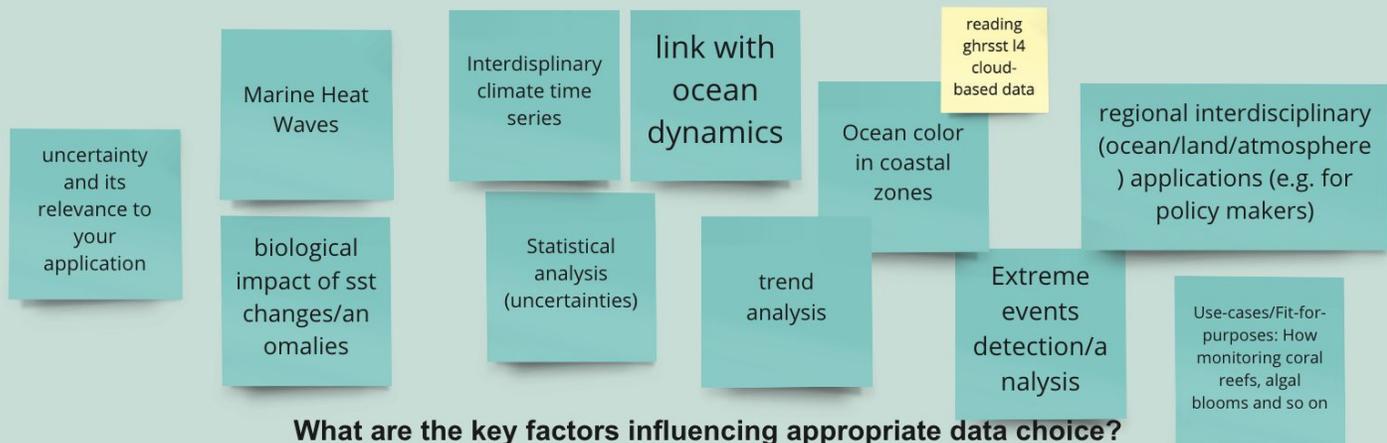
3. What style of training works well for you?



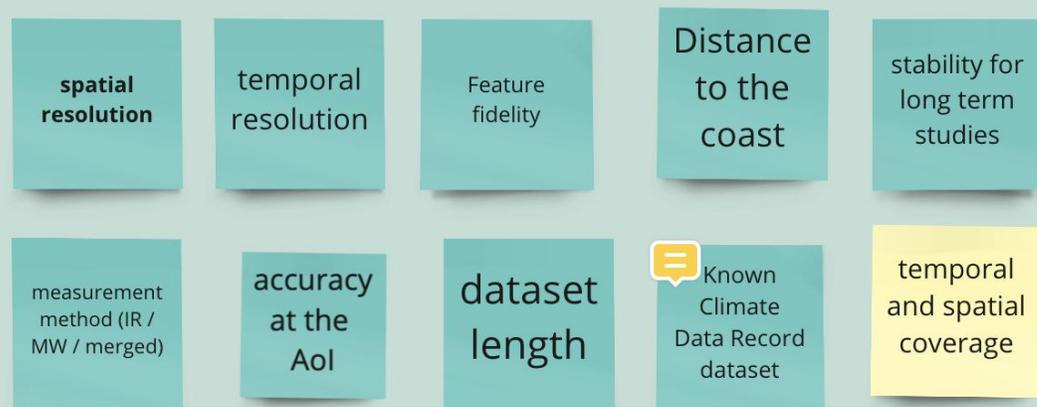
- Diverse learning backgrounds >>> speaks to how we expect to learn/train
- Diverse application priorities for us >>> need to refine what is best for users
- Clear advantages to in person, but online can be interactive with wider reach
- In person gives better opportunities for networking, which we need to keep in GHRSSST

PD1: Training formats on SST

What applications should we cover?



What are the key factors influencing appropriate data choice?



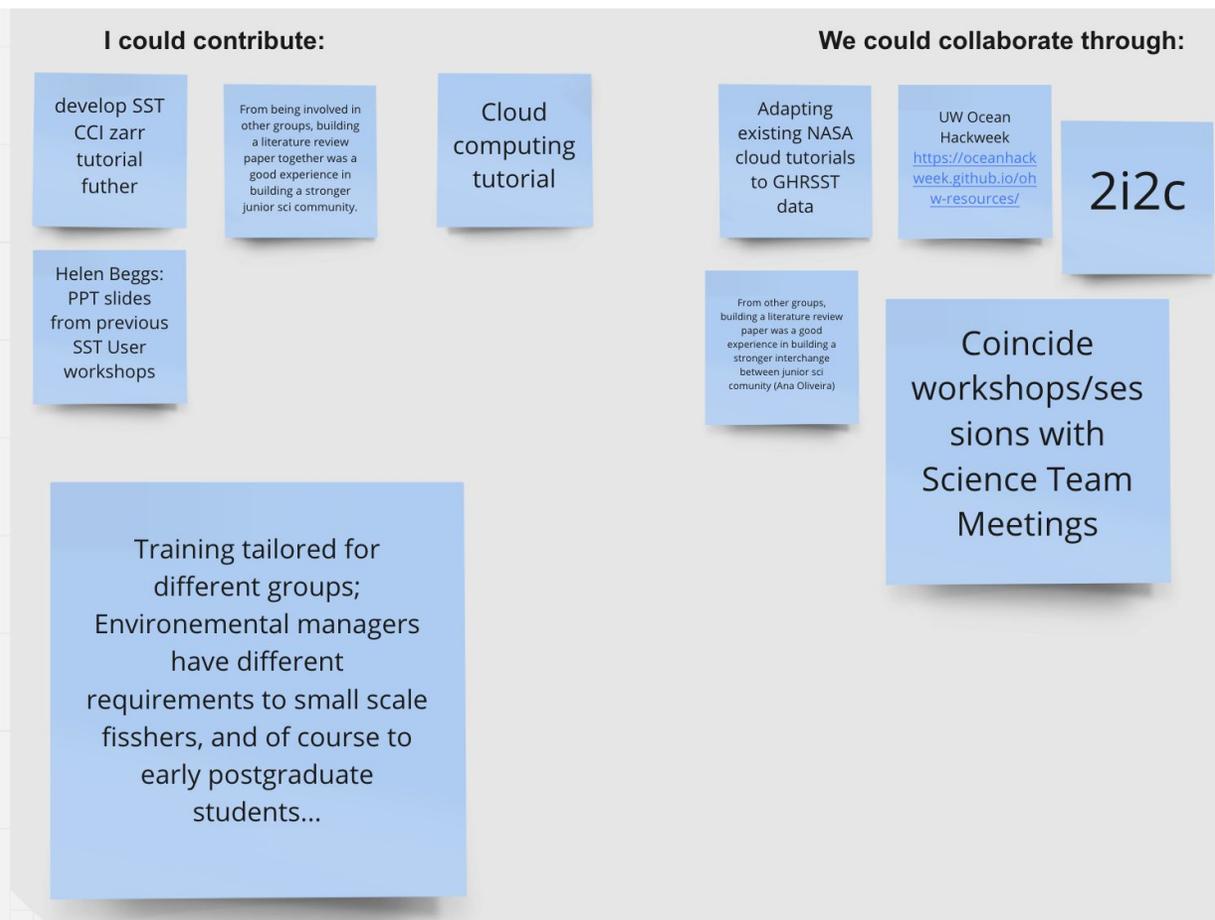
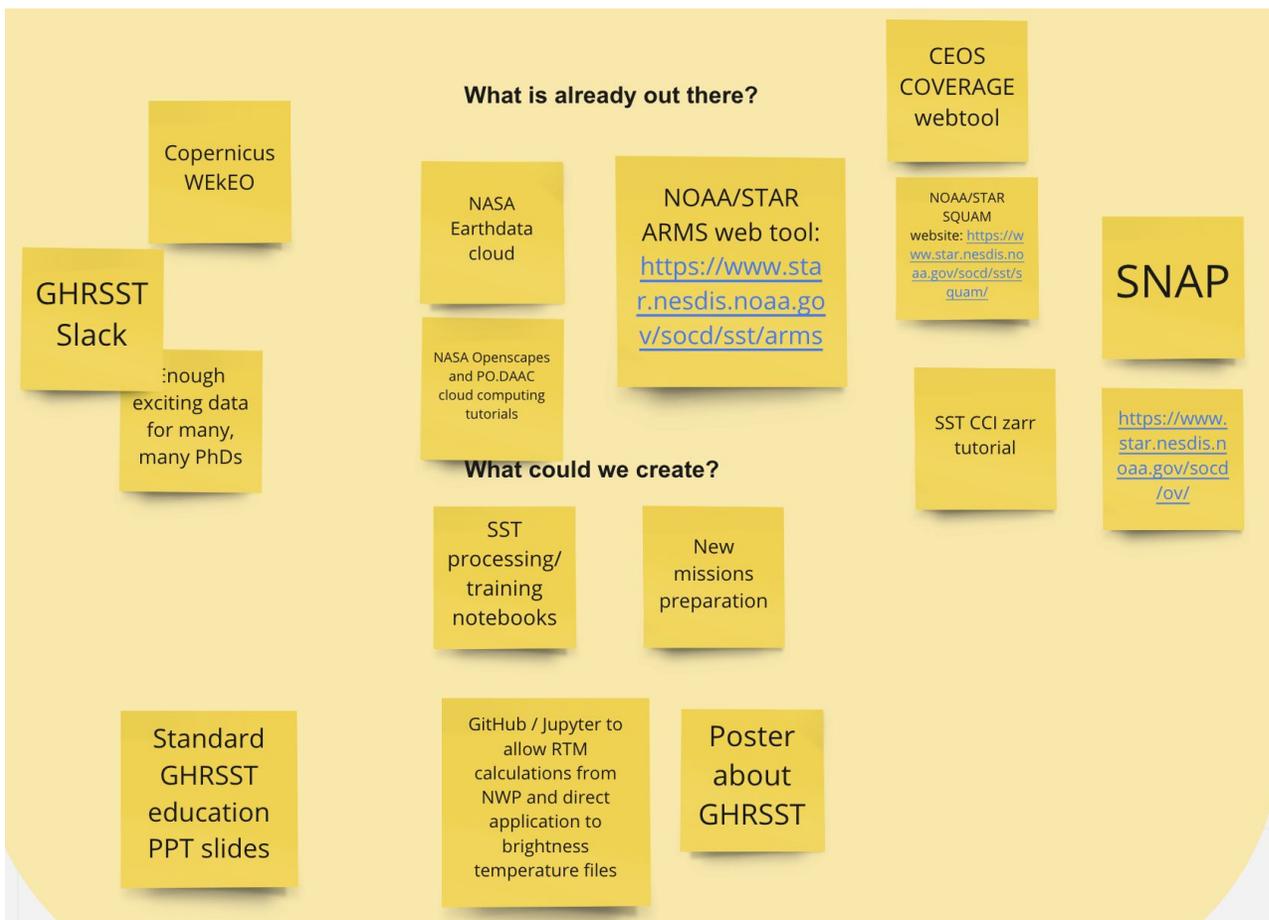
What parts of SST science/applications need to be made open?



What open science skills do we need to train on?



PD1: Training formats on SST



PD1: Training formats on SST

- Many applications to cover!
- Many factors to consider when matching product to application!!
- Open science skills required: [cloud services \(GEE/AWS\)](#), [JupyterHub](#), [Python](#), [ML/AI](#).
- Lots of tools already available: [SNAP](#), [ARMS](#), [Slack](#), [WEkEO](#), [CCI-ZARR tutorial](#), [CEOS coverage webtool](#)
- ...but some gaps where we can create our own: [Jupyter Notebooks](#), [standardised presentations](#)
- **Willingness to contribute across the GHRSSST community!**
- And clear paths for collaboration both externally and through science meetings

But we need you= content providers!

Interactive formats

A series of (informal science) talks for researchers on SST (virtual)

Visualisation competition - best SST image

Twitter takeover of an account like "People in Space" etc (week series of tweets about SST)

hackathon?

JupyterBook on GHR SST

(Blog/video series: SST through history? Looking at SST in different places at times when historically important events happened?)

JupyterHub: Great idea.

chiara

Meet GHR SST series - short videos showing who people are (reduce intimidation)

A thematic workshop on SST in Spring 2023 for instance?

Work with some artists/poets/musicians on a collaborative project (have done this with Copernicus data before)

series of medium posts / blog post from people involved with GHR SST on different topics: more blogs leading up to 2025

SST and climate change animations?

Be visible at major events

Ensure GHR SST present at significant meeting where SST is used e.g. coral reef/marine ecology and, of course, ocean colour

Involve the users in sessions at AGU/EGU

Side sessions at major science conferences? AGU; EGU...

Tie to the UN Ocean Decade and work with UN on big event

AGU training course on GHR SST products and use case application.

GHR SST townhalls at conferences, help from PO to propose & organise

Provide abstracts & talks that people can submit

How about doing a GHR SST townhall at Ocean Sciences 2024?

Training summer school

Users' involvement

It would be great if we can educate users about the wide range of GHR SST products and where to find them! I am tired of reading papers where they state they used "the GHR SST SST"!

Helen Briggs

create tables that allow users to make quick decisions about what data sets to use

Involve the users in sessions at AGU/EGU

PD3: GHRSSST priorities

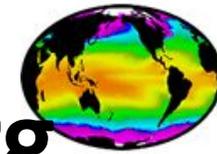
- Coastal high resolution now means coastal processes & Arctic Sea Ice. NWP will drive evolutions towards higher temporal/spatial resolution. GHRSSST needs to “define” what higher resolution means.
- Need for high resolution, good quality SST in the coastal zone (LSTM, TRISHNA and other future missions).
- Include Sea Ice Surface Temperature along with SST as a “uniform” variable to define the boundaries between ocean/sea ice and land.
- Connect the Arctic SST/IST to global L4 SST analyses.

PD3: GHR SST priorities

- As no absolute PMW calibration exists, attention is needed. Upcoming CIMR and AMSR-3 yet not all future PMW missions have SST-sensitive channels. What are the requirements?
- GHR SST needs to maintain and advance its tradition of being progressive and inclusive. Consider how to open up to the scientific community through sharing tools.
- Share/develop common tools for specific analyses, e.g. for spatial resolution assessment.
- With use of cloud services, many GHR SST datasets spread across platforms, how to redefine and harmonise standards and format specifications.

PD3: GHR SST priorities

- Promote free usage of various platforms yet not easy to use the data, need for experts with background.
- More L4 inter-comparison exercises, including Diurnal Analyses products to better inform users.
- More “user/application” driven examples of how to utilise GHR SST data, including for NWP applications.
- Recommended methodology for dealing with cloud and bow-tie effects (MODIS) when doing gradients’ analysis?
- Nomenclature for geometrically corrected fields and guidelines for handling improved quality fields.



Call for updates for the website ghrsst.org

- **Blog to launch** /// **Volunteers for contents pls contact Chiara**
- **Profiles of the Science Team Members** // **ST Members**
 - **Updated picture** - *people need to be able to identify at meetings/conferences :-)*
 - **Short updated profile**
 - **Your Twitter/LinkedIn account**
- **Page on SSES to be updated** // **Andy Harris help Chiara out in shaping this page**
- **Link to Vimeo showcase** /// **Chiara setting up**
- **Catalogue & Manual** // **JF Piolle, GPO and beta testers**
- **Task teams** // **Chiara will update your page with latest news on progress**

— **Is there anything else that you are missing on the website?**

Proceedings of the GHR SST23

GPO will save a record of all PDFs of Science Sessions **presentations and posters** to Zenodo in #openaccess

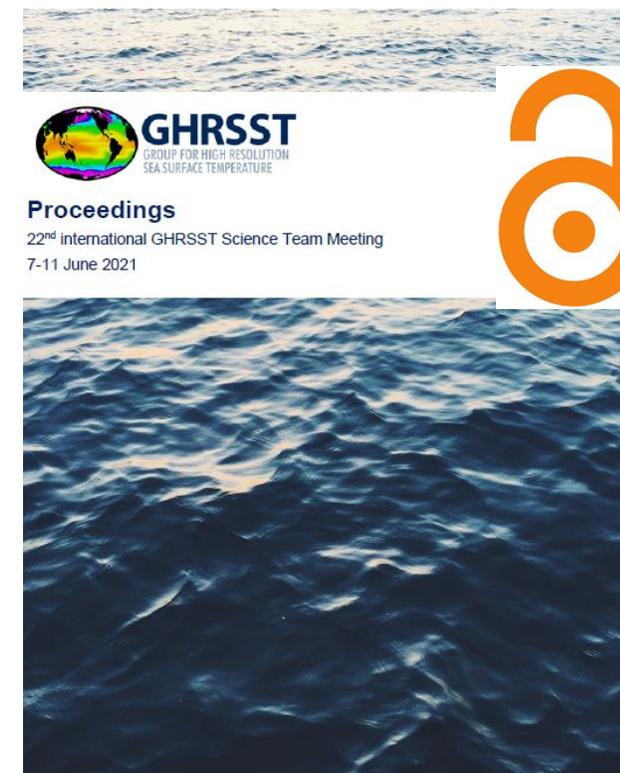
(if you are against, let us know by 15th July!)

<https://zenodo.org/communities/ghrsst>

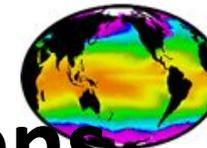
“Share & be found!”

A copy will stay on the Moodle, no worries

Proceedings will be published in #openaccess in Zenodo with links to Vimeo, posters, presentations etc. and reports of all sessions... see reminders next slides!



zenodo



Reminders to presenters of the science sessions

For the proceedings:

Please send your extended abstract to Chiara **by 15th July 2022**

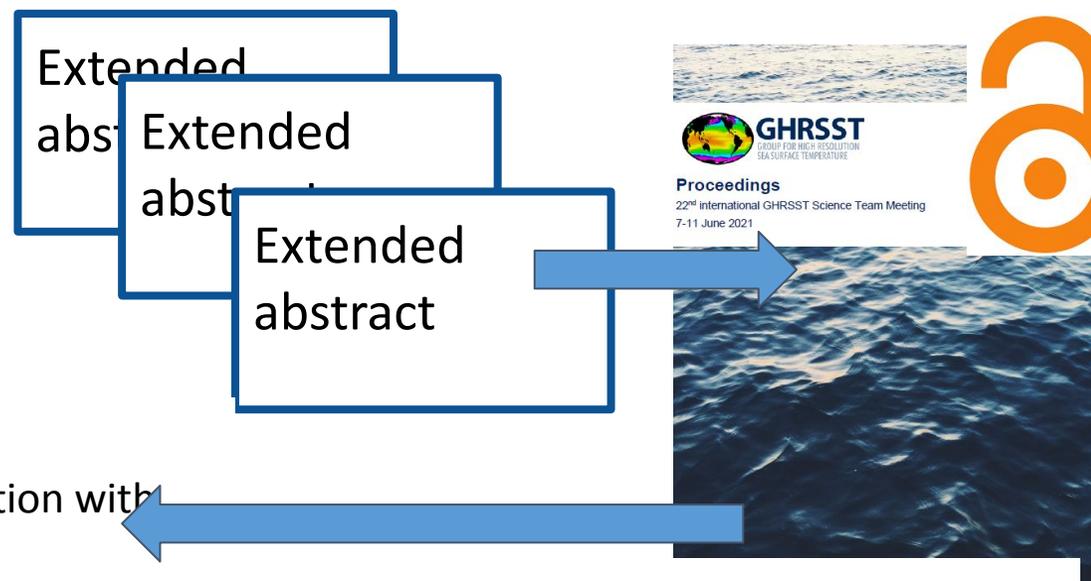
Template in the Moodle > Logistics and in your emails

Template for the extended abstract is provided to you all

“Share & be found!”



Poster or Presentation with DOIs



Proceedings with DOI



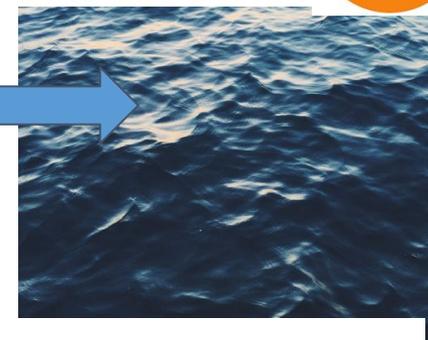
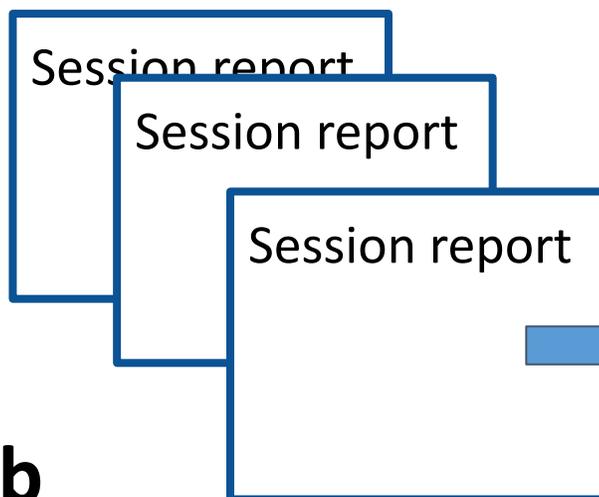
Reminders to rapporteurs and chairs

Please send your draft report to Chiara
by 15th July 2022

Chiara will check with the chairs if there
is any integration needed

Template provided to you all

*Template in the Moodle > Logistics and
in your emails*



Proceedings with
DOI



THANK YOU for the excellent job

Reminders for the Science Team elections

For the Science Team members:

- Pia sent an email to all ST members on 30 June 2022 with an excel file for the vote and all CVs (in 2 PDFs)
- Use the excel file for voting. We will not accept other files/mails etc.
- Send your file to Pia (only Pia!) **by 27 July 2022** at the latest: pwi@dmi.dk

GHR SST Terms of References

An ST member is expected to:

- a) Be **frequently involved** in the activities of GHR SST;
- b) Provide **leadership** in GHR SST activities;
- c) **Attend the annual Science Team Meetings.**



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D'INVESTIGACIONS CIENTÍFIQUES

CENTRE MEDITERRANEA D'INVESTIGACIONS

GHR SST23 some numbers

- 5 days:
- 37 posters
- 18 presentations in the Science Session
- 99 online registered participants
- 50 in-person registered participants
- 3 panel discussion
- 6 in-person collaborative workshops
- 7 task teams reporting on progress



23rd GHR SST international science
team meeting 27 June-1 July 2022

#GHR SST23



Feedback is important

Positive and negative...

Help us do better next time!

Chiara chb@dmi.dk

Pia pwi@dmi.dk

Gather.town: can we use it for the task team meetings?

Can we have poster sessions on Gather for longer time the week before and after the main meeting?

Gather.town: we loved it!

No poster sessions after the main sessions: fatigue

Miro boards: awesome tool

ghrSST talks for early-stage scientists: great idea!

Captioned pre-recorded presentation: excellent idea

Streaming of in-person workshops in listen only mode for next time

Future meetings

2023 Thematic (*not science team meeting*) for instance a **Science Workshop on SST online only**

Offline Moodle + online Zoom, Gather.town

Virtual (smaller) meeting in beginning of May 2023, focus on encouraging early career scientists who took part in GHR SST23 (CHB)

2023 tbc

Pradeep Thapliyal, Indian Space Research Organisation (ISRO)

Ahmedabad, October-December, 2023

2024

Dorina Surcel Colan, Canadian Meteorological Centre (CMC), Montreal, 10-14 June 2024

2025

Jacob Høyer, Danish Meteorological Institute (DMI) Copenhagen, June 2025

Big thank you!

Thank you from all of us in the organisation team for all the contributions...

keep them coming!

And keep in touch!



Web: <http://www.ghrsst.org>

Mail: chb@dmi.dk and pwi@dmi.dk



@ghrsst



<https://www.ghrsst.org/outreach/newsletter/>



**Committee on Earth Observation Satellites
Sea Surface Temperature Virtual
Constellation**