2nd GODAE High Resolution SST Pilot Project workshop: Removing barriers to the implementation of the GHRSST-PP.

NASDA/EORC, Tokyo, Japan, 13-16th May, 2002.

Dear Colleague:

Following the first GODAE high-resolution sea surface temperature Pilot Project (GHRSST-PP) workshop (November, 2000) and the successful production of the GHRSST-PP Strategy and Initial Implementation plan, it was agreed at the 6th International GODAE Steering Team meeting that a second GHRSST-PP workshop should be convened. The purpose of this workshop is to develop the GHRSST-PP implementation plan in detail. The target attendance groups, in addition to the GHRSST-PP Science Team. include representatives from international Space agencies, Operational oceanographic and Meteorological agencies, Funding agencies, User representatives and GODAE data and information management teams.

NASDA has kindly agreed to host the 2nd GODAE High Resolution SST Pilot Project workshop in Tokyo Japan titled “The GHRSST-PP Implementation plan”. It is proposed to hold a 1 day GHRSST-PP Science Team meeting followed by a general (3 day) meeting addressing the implementation and commitments of the GHRSST-PP. We have a room for ~ 20 people.

If you would like to attend this meeting please could you send an e-mail to Hiroshi Kawamura at kamu@ocean.caos.tohoku.ac.jp with a copy to me at Craig.donlon@jrc.it. Please indicate if you would like to make a presentation during the workshop and under which topic/session heading you would like to present (See provisional agenda and topics below). We anticipate presentations of 15-20 minutes each and the final agenda will reflect the number and content of presentations.

Following initial registration via response to this announcement, the local organization committee will contact you regarding local logistics.

We look forward to your response,

Craig Donlon and Hiroshi Kawamura, February 6, 2001

Provisional Agenda

Monday, 13th May 2002 GHRSST-PP Science team meeting

09:00 GHRSST-PP Science team meeting Theme I discussion (Leader I. S. Robinson)
10:30 Coffee break
11:00 GHRSST-PP Science team meeting: Theme II discussion (Leader C. J. Donlon)
12:30 Lunch
14:00 GHRSST-PP Science team meeting: Theme III discussion (Leader G. Wick)
15:30 Tea break
16:00 GHRSST-PP Science team meeting: Theme IV discussion (Leader P. LeBorgne)
17:30 Summary of conclusions and actions.
18:00 Close

Tuesday, 14th May 2002

08:30 Registration
09:00 Welcome and local arrangements (Kawamura)
09:15 Opening of meeting
09:30 Outline of Workshop objectives and summary of the GHRSST-PP plan
10:00 Session 1. To formalize the GHRSST-PP demonstration product definitions including error and confidence data
10:45 Coffee break
11:00 Session 1 continued
12:30 Lunch
14:00 Session 2. To review, prioritize and formulate the GHRSST-PP Implementation plan
16:00 Tea break
16:30 Session 3. To formalize access to satellite and in situ data streams
17:30 Close

Wednesday, 15th May 2002

09:00 Session 4. To define and formalize the GHRSST-PP demonstration infrastructure
10:30 Coffee break
11:00 Session 5. Formalize relationship and commitments to GODAE and other associated projects
12:30 Lunch
14:00 Session 6. Calculate and formalize the budget requirements of the GHRSST-PP
16:00 Tea break
17:30 close

Thursday, 16th May 2002

09:00 Session 7. Identify the funding sources and mechanisms available to the o
10:30 Coffee break
11:00 Session 8. Identify the metrics for the GHRSST-PP
12:30 Lunch
14:00 Summary and conclusions from each session
16:00 Close

2nd GODAE High Resolution SST Pilot Project workshop: Removing barriers to the implementation of the GHRSST-PP.

Aim

To identify and remove barriers to the implementation of the GHRSST-PP and to formalize GHRSST-PP committees.

Objectives

- **Session 1. To formalize the GHRSST-PP demonstration product definitions including error and confidence data.**
  - **Discussion focus:** What methods should we adopt to produce new SST products ? Should we produce SSTskin, SSTsub-skin and SSTdepth products? Is it possible? Should the target resolution of GHRSST-PP products be tuned to 1/16° models? ≈5-7 km grid daily or 6 hourly? What error and confidence statistics should be provided with GHRSST-PP products? How should SST structures be preserved in merged data sets? How to incorporate evolving research results into GRSST-PP products?
  - **Outcome:** The definition and commitment to initial short term products [SSTskin, sub-skin and depth]. Identification of specific funding proposal topics as required.

- **Session 2. To review, prioritize and formulate the GHRSST-PP Implementation plan**
  - **Discussion:** The "What?, Who?, How?" with respect to the GHRSST-PP DDS, DDD, UIS, SDI, R&D topics. What GHRSST-PP data servers are required to ass3emble and provide GHRSST-PP products? What data transport protocols and mechanisms [DODS, LAS, FTP] are appropriate? What is required for assimilation of SST and how can a feedback mechanism be established? [o-a,o-f results, data impact assessment, use selected DDS sites, which metrics-sites or diagnostic-sites should be used?]
  - **Outcomes:** A list of initial actions having a priority focus on realistic implementation of the GHRSST-PP building on existing capacity. A timetable for implementation and identification of specific funding proposal topics.

- **Session 3. To formalize access to satellite and in situ data streams**
  - **Discussion:** What satellite and in situ data are realistically available? [e.g., ATSR/MODIS/AMSR and PIRATA, TAO research cruises, SOOO lines, Wind speed data (Quickscat, AMSR, SSM/I, Scatterometers), in situ data [GTS,SOO, research]. What agreements are there with the agencies ? [NASDA, EUMETSAT, NOAA, ESA, CNES, operational agencies NAVOCEANO, Met. Office/agency, SAF etc.]. How can the timeliness of data be assured? Can we tap into existing RT streams?
  - **Outcomes:** Table describing the data sets that will be targeted by the GHRSST-PP. Realistic formal agreements with relevant data providers [e.g., NASDA initiative].

- **Session 4. To define and formalize the GHRSST-PP demonstration infrastructure**
  - **Discussion:** Should we promote regional GHRSST-PP "GDAC" style servers [Japan,EU,US Monterrey?] ? Are LAS servers required? What are the links to other GODAE Servers; What will be the structure of GHRSST-PP RT data servers? the contact points? The operational concerns - will the data be there? If not how do I get it?; What is the anticipated volume of data , the data rates, the data retention period, what archive structure is required? What is the pattern of expected usage? What are the data restrictions ?
  - **Outcomes:** Detailed list of requirements & cost matched to realistic solutions [e.g., NASDA sponsored GHRSST-PP server]. Identification of specific funding proposal topics.

- **Session 5. Formalize relationship and commitments to GODAE and other associated projects**
  - **Discussion:** Can we identify major relationships and commitments with data specification and transport routes/mechanisms? MERCATOR, CEOS, GOOS, [Lindstrom], SURFA [Rossow], OOPC, Reynolds SSTWG group, how do we stimulate user feedback?, What about feedback to data providers: "Is a passive UIS enough ?" What about in situ campaigns?
  - **Outcomes:** List of GHRSST-PP relationships and associated commitments with a timetable. Identification of specific [joint] funding proposal topics.

- **Session 6 Calculate and formalize the budget requirements of the GHRSST-PP**
  - **Discussion:** General quantification of costs including Infrastructure, consumables, human capacity, data management, user outreach, product development, application development, feedback infrastructure.
  - **Outcomes:** Detailed budget estimate for the implementation of the GHRSST-PP.

- **Session 7. Identify the funding sources and mechanisms available to the GHRSST-PP**
  - **Discussion:** Summary of funding possibilities at national and international level. E.g., NOPP, EU, National funding, transnational funding, funding in kind [data, projects, analyses]
  - **Outcomes:** Matching proposals identified above to target funding agencies.

- **Session 8. Identify the metrics for the GHRSST-PP**
  - **Discussion:** What are useful and practical metrics for the GHRSST-PP? [timeliness, number of observations, number of hits, number of data products, user feedback, number of assimilated data, impact on assimilation schemes]
  - **Outcomes:** Set of metrics and implementation mechanisms for the GHRSST-PP.