

OOPC Status Report for OOPC-9

Terms of Reference

- Develop **recommendations for a sustained global ocean observing system**, in support of WCRP, GOOS and GCOS climate objectives, including phased implementation.
- Help develop a process for **ongoing evaluation and evolution** of system recommendations.
- Support **global ocean observing activities** by involved parties, via liason, science advice and agreed observing plans

Status, against ToRs

- Have made recommendations for “Next Steps” for ocean climate OS, with agreement from all Sponsors & UNFCCC. Next Steps advocacy in Adequacy Report IP & GEO IP
- Seeking consensus recommendations for sea ice, high latitudes, non-physical variables, special transports
- Have proposed an initial evaluation process; no specific evolution recommendations to date
- Have made extensive efforts at liason, collaboration and coordination with other ocean programs. Requests increase each year.

Recommended Next Steps

- **Sustain** proven ocean satellite data streams and in situ activities
- **Obtain global coverage with:**
 - initial composite surface system
 - initial composite subsurface system
- **Improve** ocean data system, including telcoms
- **Increase** effort on ocean analysis & reanalysis
- **Maintain strong linkages with research** programs for data collection, indicators, OS evaluation, new technology, new science, etc.

GCOS 2nd Adequacy Report

- Incorporates “Next Steps” as recommendations, in support of IPCC & UNFCCC goals
- Notes that over-arching issues are the lack of global coverage with proven networks & the lack of frameworks to sustain needed networks.
- Accepted by UNFCCC SBSTA & COP-9, with call for reporting on ocean observing system implementation progress at next SBSTA
- Implementation Plan draft on web for comment. Will be finalized in late Summer 2004

Implementation

- **JCOMM-1** established four program areas, including the Observation Coordination Group (OCG), Products and Services PA and Data Management PA.
- **OCG** - to coordinate implementation of Next Steps & to monitor system status
- **Products & Services** - to develop and evaluate products & deliver services
- **Data Management** - to respond to data system issues and needs

Implementation Progress

- Argo network continues to expand
- Surface Drifter network within range of target density
- SOOP XBT emphasizing repeat line mode
- VOSCLIM progress
- Time series sites continue & more planned
- GLOSS moving toward real-time & geo-location
- JASON-2 approved
- International ocean carbon under IOCCP

OOPC Liason since OOPC-8:

AOPC-10

Argo Science Symposium

Argo Data Management

Estuarine Research Foundation Conf

CLIVAR -various

GCOS 2nd Adeq. Report IP – 3 meetings

GCOS SC-11

GEO IP June 2004

GODAE ST-7

GOOS COOP-5

GOOS COOP-6

GOOS SC-6

GLOBEC ?

IMBER ?

JSC-24

JCOMM MAN-3

JCOMM OceanOps04

OCEANS ?

ORION

POGO-5

Satellite Climate Data Records Wkshp

NEED TO GET COMPLETE LIST for our OOPC9 meeting report

International Activities w. OOPC Participation 2004:

AOPC

Argo Data Management Team

Argo Science Team ?

CLIVAR Conference

CLIVAR Global Synthesis and Observations Project

CLIVAR SSG

GCOS Implementation Plan, Second Adequacy Report – 3 meetings

GCOS SC

GEO Implementation Plan

GODAE Steering Team

GODAE Summer School

GODAE Second Symposium

GHRSSST Science Team

GOOS COOP

GOOS/SCORE/CLIVAR Coordination Mtg.

JCOMM Management Committee

JCOMM Obs Coordination Subgroup

JCOMM OceanOPS 2004

OOPC

POGO

SCOR Conference

WCRP Joint Scientific Committee

WCRP Surface Flux Working Group

Various regional GOOS&CLIVAR meetings...

Various IGBP meetings...

Increase Ocean Analysis & Reanalysis Efforts

- GODAE beginning second year of its Demonstration Period. Various national efforts in operational oceanography and in reanalysis underway. Regional intercomparisons underway
- CLIVAR has established GSOP (Global Synthesis & Observations Panel) with initial focus on global ocean reanalysis
- New WCRP-wide Surface Flux WG

Data System Progress

- US DMAC report finalized
- OIT Project continues and is being coordinated with DMAC
- Argo DM continuing to develop
- GODAE QC subcommittee working
- GODAE Servers working & improving
- Ocean metadata issues being taken up
- WOCE/JGOFS manual being updated

Should we declare victory and go home? 😊

Lots still to do:

- Finalize 2AR IP; get UNFCCC behind it
- Keep coordinated with GEO IP
- Ocean climate products and indices
- Identify enhancements to Next Steps
- Satellites not assured
- Evaluation and feedback need to be improved
- Enhance liason with SCOR
- How to support implementation efforts

Implementation Issues

- **Have we the needed framework(s)** to accomplish ocean *satellite commitments*, with GCOS observing principles?
- All in situ activities are technically feasible within 5 years, but **have we institutional processes** to accomplish & sustain?
- “*Sustained climate obs*” vs “*operations*”?
- **Essential role of research community** in observing system?
- *Data system evolution* **institutional issues**?

Are there needed additions to our list of activities?

- Priorities?
- Connection with GOOS Coastal Panel?
- Other???

Meeting Goals OOPC-9

- Arrange comments to GCOS on 2AR IP draft
- Continue High Latitude & Sea Ice discussion
- Continue IGBP & SCOR liason discussion
- CLIVAR Basin Panel reports & sustained obs. issues
- Next Steps Implementation Progress & Issues
- Data mgmt Progress and Issues
- Continue evaluation/evolution discussions
- Identify possible workshops
- ?????