

RECOMMENDATIONS arising
from CLIVAR SSG-13 and the
assessment

Focus on 4 major themes:

- ENSO
- Monsoons
- Decadal modes of variability and thermohaline circulation
- Anthropogenic climate change

Implementation

- The assessment pointed to the need for implementation to be developed with the global domain in mind even if, ultimately, action is regionally based.
- GSOP to focus on synthesis/reanalysis of the global ocean-atmosphere coupled climate system. Initial emphasis to be the ocean synthesis. This will require strong links to, if not a dedicated, data management component.

Indices:

- All panels to consider what indices would be most useful for ongoing monitoring of the climate system.
- The CLIVAR web site should contain a summary of the state of the climate system that would include these indices.
- These would be communicated to the ETCCD, the OOPC and other relevant groups for implementation

Data Management

- Concerning data management, the assessment concluded that CLIVAR had failed to meet the challenge.
- CLIVAR must either give detailed specification of requirements and leave implementation to others, or build a data management scheme that would meet these requirements.
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Data Mgmt cont.

- A study should be made of how many of CLIVAR's data management needs are being met, or could be met, but making better use of existing mechanisms. Partnerships should be developed with those who are specialists in the field of data management.
- review the existing data policy statement in the context of other relevant policies.

Data Mgmt cont.

- identify one or two cross-cutting themes within CLIVAR to become the focus of data management activities (eg ocean reanalysis and the International Polar Year). Such themes should be chosen to facilitate partnerships between data centers, the regional panels and modelers and lead to products of scientific value.

Process studies

- The SSG agreed to develop a set of guidelines for process studies that would include identification of observations that should be sustained

GSOP

- GSOP to provide the primary link with OOPC and to also explore potential for cooperation with JCOMM.
- GSOP to develop list of data requirements for ocean reanalysis and assess how best these requirements could be met.
- Ask IODE to review the DACS against these CLIVAR requirements and feedback recommendations

WGOMD

- WGOMD to articulate requirements for validation datasets to GSOP in consultation with the basin panels.
- Strengthen relationship between WGOMD, GSOP, and the basins panels to deal with global ocean issues such as the overall THC, sea ice, sea level, coupling, model initialization, and model evaluation

Atlantic Panel

- Areas in need of additional attention include:
 - connection to Arctic Ocean
 - sustained observational requirements for decadal Atlantic variability
 - the role/sustainability of tropical Atlantic surface moorings, i.e., PIRATA

Pacific Panel

- New TOR narrow the scope of the panel's efforts to ENSO and Pacific decadal variability.
- Consider what the needs are for sustained observations in the basin in support of ENSO predictability and Pacific decadal variability.

Southern Ocean Panel

- Needs enhanced cooperation with the (coupled) modelling community

Indian Ocean Panel

- developing proposal for an Indian Ocean observing system.
- in collaboration with WGSIP, maintain focus on sustained observations needed to support S-I predictions.