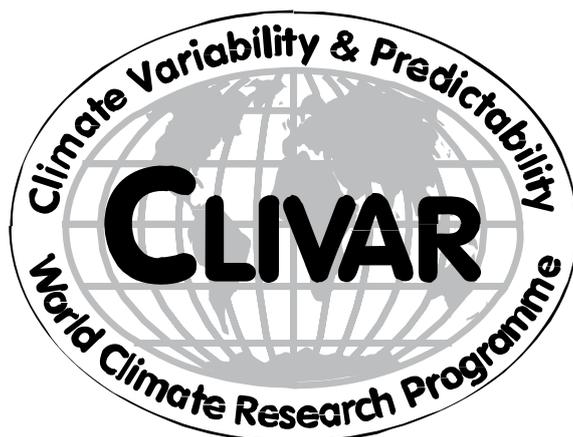


INTERNATIONAL  
COUNCIL FOR SCIENCE

INTERGOVERNMENTAL  
OCEANOGRAPHIC  
COMMISSION

WORLD  
METEOROLOGICAL  
ORGANIZATION

## WORLD CLIMATE RESEARCH PROGRAMME



### Action Items from 10<sup>th</sup> Session of the CLIVAR Scientific Steering Group Meeting

Toulouse, France  
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## **CLIVAR SSG 10 RECOMMENDATIONS AND ACTION ITEMS**

### *ITEM 4 Global Issues*

#### *Ocean observations*

1. An ad hoc WG consisting of Gould, Wiffels, Wallace and G. Johnson to meet during the WOCE/JGOFS transport workshop to start the process of reconciling CLIVAR hydrography and CO2 strategies in the global ocean. Produce summary document which will be sent to basin panels and OOP for review and refinement (ICPO).
2. SSG co-chairs to write to Chair, OOPC, expressing strong support for the ocean data information and technology initiative, offering input from the appropriate CLIVAR panels and encouraging interaction between DTT and R. Keeley (SSG co-chairs).
3. OOP in consultation with basin Panels to establish a global CLIVAR broadscale sampling strategy and data management requirement by end 2001 (OOP and ICPO).
4. SSG encourages Basin Panels to work together to develop strategies on common issues, particularly through joint workshops on specific topics (Basin Panels).
5. Request TIP to identify a core membership (Chair plus no more than 4) for the panel (ICPO).
6. SSG co-chairs to write to appropriate funding agencies noting CLIVAR requirement for xbt transects to close the Indian, Atlantic and Pacific basins to the south. (ICPO to draft in consultation with D. Roemmich).
7. SSG co-chairs to write to Neville Smith as Chair of the OOPC ENSO observing system review expressing our interest and concern about a system that is so vital to CLIVAR and suggesting that the Chairs and/or representatives of WGSIP and of the Atlantic and Pacific Panels be invited to participate in the review. (ICPO)
8. ICPO to distribute GOOS SST project report to SSG members and appropriate panel chairs. (ICPO)

#### *Fluxes*

9. CLIVAR SSG co-chairs to write to P. Taylor noting need for a WCRP-wide coordinated plan for implementation of surface flux reference sites and other relevant measurements which involves SURFA, SEAFLUX, SOLAS, and the remote sensing community. Message to be conveyed to ASF meeting by K. Trenberth (ICPO with R. Weller).

#### *Indices*

10. ICPO to send ICES annual review of oceanic changes as a guide for possible ocean indices work to Chair WGCCD. (ICPO)
11. Provide VACS Co-Chairs with Casablanca indices data for inclusion on VACS web page (VD).

## GEWEX

12. ICPO to enhance liaison with GEWEX through their project office and distribute to CLIVAR panels list of relevant data products. (ICPO)
13. CLIVAR SSG co-chairs to solicit from all CLIVAR Panels specific requirements for GEWEX products and cooperation and transmit these to the GEWEX SSG Chair. (Co-Chairs)
14. ICPO to inform Koike that Mechoso and Lau are the designated CLIVAR reps for CEOP steering group. (ICPO)
15. CLIVAR to identify liaison person with GEWEX BSRN project. (R. Weller)
16. ICPO to send VAMOS SLLJ and VEPIC plans to GEWEX SSG Chair inviting comment. (ICPO)

## ITEM 5. Global modelling issues

17. SSG encourages pursuit of the strategy articulated by the WGSIP, particularly to provide useful feedback to model developers. WGSIP emphasis in coming year should be on:
  - research on ensembles; data assimilation, coupling strategies;
  - experimentation focussed around specific science questions or phenomena. (WGSIP)
18. D/WCRP to write to leaders of EU, US and Japanese modelling framework initiatives to underline need for coordination. (D/WCRP)
19. WGSIP to provide guidance to basin panels and OOP prior to end 2001 on priorities for
  - a. Real time observations in support of SIP
  - b. Delayed mode observations
  - c. Process studies. (WGSIP)
20. D/WCRP to discuss with Chair, WGCM, CLIVAR desire for increased study of questions of how ACC affects natural climate variability phenomena such as monsoons, ENSO, NAO (D/WCRP and WGCM).
21. D/ICPO to write to Chair WGOMD to discuss long-term positioning of this WG in the WCRP hierarchy and reporting structure (ICPO).

## ITEM 7. Regional and basin issues

### Monsoons

22. CLIVAR SSG to be invited to comment on major elements of VAMOS implementation plans (ICPO with VAMOS Chair).
23. AAMP charged to develop a strategy for Indian Ocean observations in cooperation with VACS and building on SOCIO meeting outcomes and taking into consideration plans in other climate research communities (AAMP).
24. AAMP to develop a strategy for cross-CLIVAR monsoon modelling (in cooperation with VACs, VAMOS, WGSIP and GEWEX) by end 2001 and submit to SSG chairs (AAMP).

## *Africa*

25. ICPO to explore possibilities of donation of journals to laboratories (ICPO).
26. Ask ARGO Science Team to take into account CLIVAR requirements when considering any phasing of ARGO implementation (R. Weller)
27. D/ICPO to begin formal dialogue with Pacific nations to lay groundwork for future fieldwork. (ICPO).

## *ITEM 8. Data*

28. Thank current DTT members for their contributions and D/ICPO to consult with CLIVAR panels concerning appropriate membership and TOR for a reformulated data committee for CLIVAR and submit to SSG within a few weeks (ICPO).
29. Panels to identify within next 6 months first order requirements for data management and submit to DTT (R. Weller and F. Webster to draft guidance.)
30. D/WCRP to investigate availability of CLIMAT observations (D/WCRP).

## *ITEM 12. ICPO and Misc*

31. All CLIVAR panels chairs and SSG members to collect information on status of implementation and transmit it in a timely manner to the ICPO which will be responsible for making this info available through the web; ICPO to seek feedback from SSG and Panels on tracking system – how effective, complete? (ICPO, SSG Members and Panel Chairs)
32. ICPO with J. Slingo to provide links from CLIVAR web site to EU climate-related projects. (ICPO)
33. ICPO to send names on Exchanges mailing lists for individual countries to SSG and Panel members from those countries for review and suggestions. (ICPO)
34. Identify CLIVAR appointee for WCRP arid regions initiative prior to WMO EC (SSG Co-chairs).
35. ICPO to work with Kevin Trenberth to provide feedback to NOAA on Trans Pacific Profiling Network (ICPO).
36. CLIVAR Panel Chairs encouraged to review plan and to provide input to A. Busalacchi on the joint programme global carbon cycle initiative by 25 May 2001 (Panel Chairs).
37. Distribute WMO Annual Climate Review with appropriate text with next Exchanges (ICPO).
38. SSG 10 report in next Exchanges (SSG co-chairs).
39. ICPO to provide bimonthly status report to SSG Chairs, and report on status of action items to entire SSG prior to meeting (ICPO).
40. ICPO to produce a brochure for IGBP Open Science Conference (ICPO).

41. ICPO staff to maintain close, direct, contact with CLIVAR panels for which they are responsible (ICPO staff).
42. All CLIVAR Panels to consider possible applications in their field and make contact with people working on these and report back to next SSG meeting. (CLIVAR Panels)
43. D/ICPO and T. Palmer to contact appropriate EC staff concerning possibility of funding CLIVAR infrastructure (D/ICPO, T. Palmer).
44. Send regular letter report to funding agencies in nations which might potentially support the ICPO and increase contact with these people (ICPO).
45. Identify a Chair for a Conference Organizing Committee to develop plans for a CLIVAR Scientific Conference in late 2003 or 2004 (SSG Co-chairs).
46. Next meeting in China in May 2002; confirm date and place within next 6 weeks (D/ICPO with G. Wu)

#### *EXEC Session - Membership Issues*

47. CLIVAR/CliC Southern Ocean Panel: SSG endorsed in principle the suggested TOR and agreed to the proposed membership with the following caveats: I. Simmonds should be ex officio in his capacity as SSG member and one of the three people from Lamont should be replaced with someone from another institute or simply dropped. D/ICPO to distribute to SSG TOR and membership for S. Ocean Panel for final agreement within next few weeks and then submit to CliC for their accord and ask them to nominate a co-Chair (ICPO).
48. Pacific Panel - SSG endorsed the concept of a Pacific Panel but asked that the TOR and a revised list of suggested members be submitted to them for review within the next 6 weeks (R. Weller and ICPO)
49. Ocean Observations Panel - A. Busalacchi to discuss with C. Koblinsky and R. Pollard the possibility of a transition in leadership and membership of this Panel and report back to the SSG. (A. Busalacchi)
50. WGSIP - S. Zebiak to circulate to SSG suggestions for membership rotations. (S. Zebiak)
51. WGCM - SSG noted that a large number of the members are due to rotate off this year; the Group suggested that at least half of these should be extended; J. Willebrand to discuss with J. Mitchell proposals for changes in membership and report back to SSG and then JSC. (J. Willebrand)
52. DTT – Chairman DTT to propose revised core membership and TOR for DTT to reflect the need for both immediate solutions to CLIVAR Data problems caused by transition from WOCE and the development of a longer term CLIVAR data strategy. Data liaison members for remaining panels to be identified (F Webster - completion by end July 2001)
53. Asian Australian Monsoon Panel - SSG endorsed TOR and suggested membership with the following deletions: Halpern and Godfrey, and with some reservation on Shuttleworth. (D/ICPO to discuss with J. Slingo and P. Webster.)

54. Atlantic Panel - SSG suggested that the two proposed new members (Ilana Wainer and Chris Reason) be invited as guests to the next Panel meeting and subsequently be made members if the Panel still felt that was appropriate. (Atlantic Panel)
55. VAMOS Panel - the SSG agreed to the suggested changes in membership (ICPO).
56. CLIVAR SSG - Co-Chairs to solicit suggestions for membership rotations and submit to JSC Chair in Sept. 2001 with a request for earlier consideration in order that new members receive notification well in advance of the next SSG meeting. (SSG Co-Chairs)