

International CLIVAR Project Office (ICPO) Annual Progress Report for SSG

Submitted by ICPO

ICPO STAFF

The past year saw many changes in the personnel of the ICPO. Dr. Howard Cattle retired after many years of dedicated service as Director and was replaced by Dr. Bob Molinari on 1 September 2010. Dr. Molinari's tenure is scheduled to end at the completion of the NERC contract, 31 March 2013. Dr. Kate Stanfield retired as a Staff Scientist to return to academia and was replaced by Ms. Catherine Beswick. In her short tenure, Ms Beswick has already attended and acted as rapporteur for the Drought Workshop and JSC. Mrs. Sandy Grapes retired as P/A to the Director on 31 March. Sandy has been with the ICPO since its inception and her talents will be missed. Drs. Cattle and Molinari decided that the Director did not require a full time P/A and the Office has filled a 15-hour/week position. Mrs. Christina Thompson began work on 18 April and brings a wealth of experience to the office through her previous position with the University of Southampton. The other half of the P/A position will be filled by an I/T specialist who will work on the CLIVAR website. Mr. Mathew Reynolds was selected from an outstanding list of applicants and will begin work on 1 June. The website will be streamlined with easier access to the various CLIVAR projects. In view of the likely changes in the future structure of CLIVAR, it is planned to have the website also serve as a legacy for the program for use by future scientists and others.

ICPO FUNDING AND NON-MONETARY SUPPORT

The current complement of the ICPO is 3.5 staff scientists plus the Director and Office Manager. Support for the ICPO is provided through hosting of personnel, salary and travel support. The Director, Office Manager and one staff scientist continue to be hosted by the National Oceanography Centre, Southampton. Another staff member has visiting scientist status at NOCS. The Abdus Salam International Centre for Theoretical Physics, Trieste and the University of Buenos Aires each host Staff Scientists with funding provided by US CLIVAR funding. Ms. Xiaohui Tang serves as a communications facilitator for Chinese scientists involved in CLIVAR projects (e.g., NPOCE).

Not only does NERC provide office space for the ICPO, the Council also provides the full time salaries of the ICPO Director, Dr. Bob Molinari, and Staff Scientist, Ms Catherine Beswick. In addition, NERC provides the part time salaries for the Director's P/A, Mrs Christina Thomson and the IT Specialist, Mr. Mathew Reynolds. The NERC fiscal year extends from 1 April 2011 through 31 March 2012. The total contribution from NERC to the ICPO is approximately \$300,000.

Through funds provided by the US NSF, NASA and NOAA a UCAR/NERC contract administered by the US CLIVAR Office, the full time salaries of Drs. Anna Pirani and Antonio 'Nico' Caltabiano and half time salary of Dr. Carlos Ereno are paid. The total

amount provided by the US to the ICPO is approximately \$150,000. The fiscal year for this support extends from 1 May 2011 through 30 April 2012. The total amount for this years US support is less than last as the hours of Dr. Pirani are reduced for maternity leave.

The World Climate Research Program (WCRP) provides the support for ICPO Staff Scientists to attend the workshops and steering group meetings of the CLIVAR panels and working groups they support. In addition, WCRP supports the travel of the Director, ICPO to Steering Group meetings of the other 3 projects as well as travel to other WCRP meetings. Historically, the total amount of this support has not been determined. However WCRP and CLIVAR are in the process of establishing the level of this funding for 2011 meetings. Once the method for determining this level has been put in place, these estimates will be available for future ICPO reports.

The University of Buenos Aires, Buenos Aires, Argentina and The Abdus Salam International Centre for Theoretical Physics, Trieste, Italy provide office space for Drs. Ereno and Pirani, respectively.

ICPO GROUP ACTIVITIES

The ICPO continues to publish CLIVAR Exchanges, although there has been a gap reflecting the staff changes mentioned above. The most recent version of Exchanges appeared in early 2011 and it will continue to be issued quarterly. The ICPO also maintains the CLIVAR website, where other publications and workshop summaries are distributed and CLIVAR activities are promoted. The ICPO Staff will support the WCRP funded CLIVAR meetings and workshops planned for 2011 and given in Appendix A (note that some meetings have already occurred). The ICPO has generated a draft 2012 meetings list in an attempt to reduce last minute problems with late proposed sessions. This list is given in Appendix B.

INDIVIDUAL ICPO STAFF ACTIVITIES

Individual Staff activities are summarized in Appendix C to provide the SSG with a measure of the important contributions they provide to CLIVAR. Another measure of the Staff contributions can be seen in Appendix A of the CLIVAR report to the JSC, available on the SSG-18 web page of the CLIVAR web site. This appendix provides a summary of major CLIVAR activities and achievements accomplished during the period between JSC meetings. ICPO Staff has made important contributions to these activities. This outstanding level of achievements will continue unabated through the next CLIVAR year.

Appendix A: The ICPO Staff will support the following CLIVAR-sponsored meetings and workshops planned for 2011. Note that some meetings have already been completed.

Name of meeting	Proposing group	Continent	Time frame	Last Meeting	Comments
SSG-18	SSG	Europe (PARIS)	2-6 May 2011	May 2010	Includes ICPO meeting
WCRP Open Science Conference	WCRP	North America (USA)	24-28 Oct 2011		ICPO staff to provide scientific support
5 th VACS Panel Meeting	VACS	Africa South Africa	11-13 July 2011	July 2006	Evaluating meeting dates to convene with another workshop
Expert team start up, work planning and strategy discussion meeting	ETCCDI	N America (Canada)	23-25 Feb 2011	May 2008	
Drought workshop	Extremes cross cut	Europe (Spain)	2-5 March 2011		Joint GEWEX CLIVAR Workshop
Workshop on Coupled Ocean-Atmosphere-Land Processes in the Tropical Atlantic	VAMOS and Atlantic Panels	N America (USA)	23-25 March 2011		To be followed by Atlantic and VAMOS Panel meetings
11 th Atlantic Panel Meeting	Atlantic Panel	N America (USA)	25 – 26 March 2011	February 2010	To be held jointly with AIP-VAMOS-VOCALS Atlantic Bias Workshop
14 th Session of the VAMOS Panel	VAMOS	N America (USA)	25 – 27 March 2011	July 2010	To be held jointly with AIP-VAMOS-VOCALS Atlantic Bias Workshop

11 th Session of the Asian-Australian Monsoon Panel	AAMP	Asia (China)	6-10 April 2011	June 2010	To be held in conjunction with 7 th Forum on Regional Climate Monitoring-Assessment-Prediction for Regional Association at same venue
5 th GSOP Panel Meeting	GSOP	Europe (France)	11-13 May 2011	November 2009	Travel funds provided by participants, no cost to CLIVAR
8 th Indian Ocean Panel Meeting	IOP	Asia (India)	25-26 July / August 2011	July 2010	To be held jointly with IMBER SSC and IRF-2 meetings.
PAGES-CLIVAR Intersection Meeting	PAGES/CLIVAR	N America (USA)	October 2011	June 2008	Small meeting to be held at OSC. No cost to CLIVAR.
14 th Session of the Working Group on Seasonal to Interannual Prediction	WGSIP	Europe (Italy)	12-14 Sept 2011	July 2010	Includes half day session with QWeCI Symposium
15 th Session of CLIVAR/JSC Working Group on Coupled Modelling	WGCM	N America (USA)	October 2011	October 2010	Joint with WCRP/CAS WGNE meeting
6 th Meeting of the Southern Ocean Panel	S.Ocean	N America (USA)	19-21 Oct 2011	June 2010	To be held prior to OSC

Appendix B: Proposed meetings for 2012

Panel	Meeting title	Dates	Venue	Number participants	Cost (US\$)
Pacific Panel	7th Pacific Panel Meeting	29 Apr – 01 May 2012	Noumea, New Caledonia	20	150
Pacific Panel + IOP	ITF Task Team meeting	Early 2012	Indonesia	25	100
IOP	The 9th Indian Ocean Panel Meeting	TBD	TBD	20	100
AIP	12th AIP meeting	Fall 2012	Europe	20	100
GSOP	Data Management Workshop	Early 2012	Europe	30	200
GSOP	6th GSOP meeting + Ocean or Coupled Reanalysis Workshop	Fall 2012	TBD	30	150
ETCCDI	CCI/CLIVAR/JCOMM ETCCDI	TBD	Jamaica, Morocco, Niger	One CLIVAR ETCCDI scientist per meeting	120
VACS	VACS6	TBD	West Africa	TBD	250
WGCM	CMIP5 Analysis Workshop	6-9 March 2012	Honolulu, Hawaii	150	
WGCM	WGCM15	September	Hamburg, Germany	40-50	20000 WCRF supported
WGOMD	WGOMD10	11-13 January	Venice, Italy	15	100
AAMP	Interdecadal Monsoon Workshop	TBD	TBD	50	150
AAMP	AAMP12 jointly with interdecadal monsoon workshop	TBD	TBD	16-20	100
VAMOS	Modeling workshop	May-12	Petropolis, Brazil	50	150
VAMOS	VAMOS15 jointly with modeling workshop	May-12	Petropolis, Brazil	30	150
Southern Ocean Panel	SOP8	Late 2012	Hobart, Australia	20	200
WGSIP	WGSIP	TBD	TBD	TBD	TBD
				TOTAL	2020

Appendix C. Summary of individual ICPO staff activities and achievements

1) Dr. Anna Pirani

Activities and Accomplishments SSG17-SSG18 (2010-2011)

Working at 100% for CLIVAR

Anna Pirani

1/ Meetings (May 2010 - May 2011)

- CLIVAR SSG – 17-20 May 2010, Boulder USA
- WCRP Workshop on Regional Climate: Facilitating the Production of Climate Information and its Use in Impact and Adaptation Work – 14-16 June 2010, Lille France
- WCRP Task Force on Regional Climate Downscaling (TFRCD) Meeting – 16 June 2010, Lille France
- 13th Session CLIVAR Working Group on Seasonal to Interannual Prediction (WGSIP) – 29-31 July 2010, Buenos Aires Argentina
- WGOMD-GSOP Workshop on Decadal Variability, Predictability and Predictions: Understanding the Role of The Ocean – 20-23 September 2010, Boulder USA
- 9th Session of the CLIVAR Working Group on Ocean Model Development (WGOMD) – 23-25 September 2010, Boulder USA
- 14th Session of WCRP/CLIVAR Working Group on Coupled Modeling (WGCM) – 4-6 October 2010, Exeter UK
- International CLIVAR Project Office (ICPO) Meeting – 7-8 October 2010, Southampton UK
- 4th Session of CCI/CLIVAR/JCOMM ETCCDI – 23-25 February 2011, Victoria Canada
- 1st International COREX Conference – 21-24 March 2011, Trieste, Italy

2/ Activities for CLIVAR Working Groups and Panels

General activities consist of following up action items from previous meetings, organizing and supporting the meetings, writing the meeting report and maintaining and updating the group web pages. The organization of workshops includes writing proposals to bid for funding, allocation of funding, development of agenda, etc. Some more information on specific activities are given below:

WGCM

- Support of decadal climate prediction contact group
- CMIP5 Exchanges Special Issue (April/May 2011)
- Coordination and analysis of WCRP-WWRP-THORPEX Model Evaluation and Improvement Survey

WGSIP

- Continued support of CHFP activities and development of CHFP website, providing guidance for participants and analysts and sharing expertise such as diagnostics, metrics, etc.

WGOMD

- Leading the development of Repository for Evaluating Ocean Simulations (REOS)
- Leading the development the CORE website, including a wiki page for the collaborative development and analysis of CORE-II
- Organized WGOMD Workshop on Decadal Variability, Predictability and Prediction: Understanding the role of the Ocean, September 2010, Boulder USA

ETCCDI

- Developing outreach material - poster for the 2011 WMO Congress and WCRP OSC.

VACS

- Supported the process of reviving the panel and its membership
- Developing the VACS network of climate scientists
- Plans to initiate a VACS newsletter

3/ Activities for WCRP and WCRP Cross cuts

Extremes in a Changing Climate

- Support for the WCRP Drought Interest Group
- Assisted in the organization of the WCRP Workshop on Metrics and Methodologies of Estimation of Extreme Climate and Weather Events (Sept 2010).
- Organized the WCRP Workshop on Drought Predictability and Prediction in a Changing Climate: Assessing Current Knowledge and Capabilities, User Requirements and Research Priorities – 2-4 March 2011, Barcelona, Spain

Decadal Variability, Prediction and Predictability

- Maintenance and development of website.
- BAMS publication on Workshop on Predicting the Climate of the Coming Decades (2011, in press).
- Organization of the Workshop on Decadal Variability, Predictability and Prediction: Understanding the role of the Ocean (Boulder Sept 2010).
- Support of WGCM-WGSIP Decadal Climate Prediction Panel

4/ WCRP-WWRP-THORPEX Survey on Model Evaluation and Improvement

- Coordination and analysis of survey responses for presentation at the WCRP Modelling Coordination Meeting (Nov 2010)

5/ 2010 Reports and Publications

- [Report of WCRP TFRCD Meeting](#)

[Report of the WCRP Workshop on Regional Climate: Facilitating the Production of Climate Information and its Use in Impact and Adaptation Work](#)

- [Report of the 13th WGSIP Session](#)
- [Report of the 9th WGOMD Session](#)
- [Report of the 14th WGCM Session](#)
- WCRP Statement on Seasonal Prediction – draft being edited by WCRP
- Clement, A., B. Kirtman and A. Pirani, 2010: Climate Literacy as a Foundation for Progress in Predicting and Adapting to the Climate of the Coming Decades, BAMS, in press.
- Report of the 4th Session of CCI/CLIVAR/JCOMM ETCCDI – in preparation.

2) Dr. Carlos Ereno

CLIVAR Report to SSG-18

2010/2011 Dr. Carlos Ereno's activities

1. Activities in support of the CLIVAR Project Office position for Central and South America

1.1 Assisting and coordinating the activities of the CLIVAR Variability of the American Monsoon Systems (VAMOS) Panel including meeting organization follow up on and assistance with the implementation of action items, web site updates and aspects of data management. In particular the following:

- a) 28-31 July 2010: 13th Annual Meeting of the WCRP/CLIVAR/VAMOS Panel (VPM13), jointly with the 13th Session of WGSIP, Buenos Aires, Argentina.
- b) 8-12 November 2010, CLARIS LPB M26 Meeting, Porto Ingleses, Florianópolis, Brazil
- c) 23-25 March 2011, Workshop on Coupled Ocean-Atmosphere-Land Processes in the Tropical Atlantic, hosted by the Rosenstiel School of Marine and Atmospheric Sciences, University of Miami, Florida, USA
- d) 25-26 March 2011: 14th Annual Meeting of the WCRP/CLIVAR/VAMOS Panel (VPM14), jointly with the 11th session of the CLIVAR Atlantic Implementation Panel (AIP), hosted by the Rosenstiel School of Marine and Atmospheric Sciences, University of Miami, Florida, USA

1.2 Coordinating the production, printing and distribution of the VAMOS Newsletter as funds allow. VAMOS newsletter No 7 (2011) was published as a supplement of CLIVAR Exchanges No 55 January 2011 issue.

1.3 Maintaining the VAMOS database of scientists in the Americas interested in VAMOS/CLIVAR activities and disseminating relevant information. 57 announcements were distributed in the period May 2010-April 2011 through the VAMOS List.

2. Activities providing wider support of the ICPO and WCRP

2.1 Assisting and coordinating the CLIVAR Asian Australian Monsoon Panel including meeting organization, follow up on action items and assisting with their implementation and web site activities. In particular the following:

- a) 15-18 June 2010: CLIVAR AAMP and the YOTC MJO Task Force held a Modelling Workshop with a focus on modelling and predicting monsoon intraseasonal variability (ISV) and the MJO, at APEC Climate Center, Busan, Republic of Korea.
- b) 15-19 June 2010: 10th Session of the CLIVAR's Asian-Australian Monsoon Panel (AMMP10) was held at the APEC (Asia-Pacific Economic Cooperation) Climate Center, Busan, Republic of Korea from.
- c) 6-8 April 2011: AAMP participation to the 7th session of the Forum on Regional Climate Monitoring, Assessment and Prediction for Asia (FOCRAll), at the National Climate Center (NCC) of China Meteorological Administration (CMA) Beijing, China. Eight AAMP panel members made science presentations at FOCRAll on Modelling and predicting monsoon intraseasonal variability (ISV) and the MJO and Decadal and interdecadal monsoon variability.
- d) 9-11 April 2011: 11th Session of the CLIVAR's Asian-Australian Monsoon Panel (AMMP11) was held at the National Climate Center (NCC) of China Meteorological Administration (CMA) Beijing, China, and immediately after the end of the 7th session of FOCRAll, 6-8 April 2011.

2.2 Maintaining the AAMP database of scientists in the Asian-Australian region interested in AAMP/CLIVAR activities and disseminating relevant information. 51 announcements were distributed in the period May 2010-April 2011 through the AAMP List.

3. Organization, planning and fundraising for the translation to Spanish, publication and distribution to Latin-America of the 2008-2009 World Climate Research Programme Achievements Report, Scientific Knowledge for Climate Adaptation, Mitigation and Risk Management.

3) Dr. Antonio 'Nico' Caltabiano

Support to panels: VACS (jointly with Anna Pirani), AIP, Pacific Panel, IOP, and GSOP.

Meetings supported:

- International Workshop on ENSO, Decadal Variability and Climate Change in South America, 12-14 October 2010 – Guayaquil, Ecuador
- 6th Pacific Panel meeting, 15-16 October 2010 – Guayaquil, Ecuador
- International Workshop: New strategies for evaluating ENSO processes in climate models, 17-19 November 2010, Paris, France
- Workshop on Coupled Ocean-Atmosphere-Land Processes in the Tropical Atlantic, 23-25 March 2011, Miami, USA
- 11th Atlantic Panel meeting, 25-26 March 2011, Miami, USA

Participation in committees: Local Organising Committee of the WCRP OSC

Reports:

Submitted report on CLIVAR activities for annual IMBER report

6th Pacific Panel meeting (in preparation)
11th Atlantic Panel meeting (in preparation)

4) Ms Catherine Beswick (March 2011-May 2011)

Meetings Supported:

- WCRP Drought Workshop, March 2011, Barcelona (rapporteur and logistics)
- JSC-32, April 2011, Exeter (rapporteur)

Reports:

- WCRP Drought Workshop Short Report (soon to be published on the website)
- WCRP Drought Workshop Report (in prep.)
- JSC-32 Report (in prep.)

Communication / Outreach:

- CLIVAR display at Ocean and Earth Day 2011 at the National Oceanography Centre, Southampton

Other:

- Staff Scientist Handbook (in review)

5) Dr. Robert Molinari (September 2010 – May 2011)

1) Meetings attended and CLIVAR presentations made

- a) U.S. CLIVAR Interagency Working Group
- b) SPARC SSG meeting
- c) CLIVAR TACE/PIRATA meeting
- d) OOPC meeting

2) Other meetings attended

- a) GEWEX SSG
- b) NOAA Office of Climate Observations
- c) Meeting with US CLIVAR Office Directors
- d) Atlantic biases meeting

- e) Atlantic basin panel meeting
- f) Deep Ocean Sustained Observations meeting

3) WCRP support

- a) Assistant rapporteur at Drought Workshop
- a) Assistant rapporteur at JSC meeting

4) OSC activities

- a) Member Early Career Scientist abstract evaluation committee
- b) Submitted a proposal for sessions on communicating climate science and career choices

5) Publications and reports

- a) Report on ICPO activities for US funding agencies requested by NSF
- b) Co-author of article on CLIVAR activities for SEA TECHNOLOGY

6) Management of ICPO

- a) Selected Ms Catherine Beswick as replacement for Dr. Kate Stansfield
- b) Selected Mrs. Christina Thompson as replacement for Mrs. Sandy Grapes
- c) Selected Matthew Reynolds as IT specialist for ICPO with major objective of upgrading CLIVAR web site
- d) Provided to WCRP list of proposed 2011 CLIVAR meetings
- e) Developed along with SSG co chairs and ICPO staff input for JSC32 and SSG18 (e.g., list of major CLIVAR accomplishments since SSG17)
- f) Refined method for developing list of CLIVAR meetings for submission to WCRP
- g) Refined and advertised method for identifying potential members for CLIVAR working groups and panels
- h) Instituted bi-monthly staff teleconference calls
- i) Drafted for consideration by SSG-18 method of tracking CLIVAR Endorsed Projects
- j) Initiated writing of a ICPO Staff Handbook specifying methods and protocols to be used when performing CLIVAR and WCRP activities

