



**Overview of CLIVAR and JSC issues and the ICPO**

Carlos Ereno and Howard Cattle  
ICPO

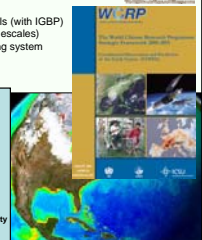




**WCRP Strategic Plan**

Development of Earth System Models (with IGBP)  
"Seamless prediction" (across all timescales)  
Maintain/develop sustained observing system  
Integration of models and data  
Developing links to applications

**WCRP Cross Cutting Topics**  
Seasonal Prediction\*  
Monsoons\*\*  
Decadal Prediction\*  
Climate Extremes\*\*  
Anthropogenic climate change  
Chemistry and Climate  
IPY  
Sea level rise  
CLIVAR: makes contributions to all areas; But has specific management responsibility for\* items (\*\* = with GEWEX)




**CLIVAR Goals and Objectives**

- Understand the physical processes responsible for **climate variability and predictability on seasonal, interannual, decadal, and centennial time-scales ...**
- Extend the range and accuracy of seasonal to **interannual climate prediction ...**
- Extend the record of climate variability ...
- Understand, predict and detect the **anthropogenic modification** of the natural climate signal



**JSC-29 (Arcachon, France, Apr, 2008), and the Monsoon cross cut (IMS)**




**JSC-29 Arcachon, France, 31 March - 4 April, 2008: Outline agenda**

- Welcome, introduction
- Review of WCRP cross cutting activities** with special session on climate extremes (1 + 1/2 days)
- Review of WCRP core projects (3/4 day)
- Review of WCRP WGs and Panels (WGCM, WGNE, WOAP ...) (0.4 day)
- Review of other projects and activities (ESSP, START, THORPEX...) (1/4 day)
- Discussion of WCRP post 2013** (3/4 day)
- Executive sessions etc including budgets (1 day)
- Science lectures (1/4 day)





**JSC-28: Established "monsoon cross cut"**

- Endorsed the concept of a WCRP cross cutting monsoon initiative
- Agreed it should embrace all monsoon groups and be led by GEWEX and CLIVAR with participation of SPARC, CLIC and WGNE and other activities (especially THORPEX)
- Requested development of an implementation plan which should have a global focus
- Proposals for and concepts of an Asian Monsoon Year and the International (WCRP/THORPEX) Year of Tropical Convection to be considered as components of a WCRP International Monsoon Study (IMS, 2007-11)
- IMS to include capacity building, and application of observations and predictions in monsoon regions for societal benefit.
- JSC group for overseeing IMS: G Wu (chair), J Slingo, T Yasunari, C Vera, L Ogallo, J Shukla



**Monsoon cross cut**

- Asian Monsoon community response has been to develop a Science Plan for the "Asian Monsoon Years" coordinating some 20 regional projects plus international efforts. Implementation Plan is being developed (Bin Wang and Jun Masumoto leaders).
- Key issues for AAMP, reflected in AAMP agenda, are how it links with AMY, the WCRP International Monsoon Study, YOTC and other cross cuts (e.g. planned seasonal prediction experiments under the "Climate system Historical Forecast Project under WGSIP).
- 1 day meeting in Bali drafted objectives and scoping team for IMS and discussed request from the JSC for a 2nd pan-WCRP Monsoon Workshop [more background will be given by Tetsuzo Yasunari at the pan-WCRP part of the meeting].



### JSC 29 – review of monsoons

- Review document on monsoon cross cut is at [www.clivar.org/organization/ssg/JSC29/JSC29.php](http://www.clivar.org/organization/ssg/JSC29/JSC29.php)
- JSC agreed need for greater links with WWRP monsoon activities
- Agreed to hold the 2<sup>nd</sup> WCRP Pan-Monsoon Workshop in conjunction with the WMO Monsoon Conference in Beijing (this meeting) [AAMP plans to meet already agreed].
- Important for AAMP members to attend the 2<sup>nd</sup> Pan-WCRP Workshop sessions, including Saturday discussions addressing the concept of the IMS. Key focus issues:
  - Role of monsoons in the changing global climate system
  - Understanding and predicting cloud/precipitation systems in monsoon regions

WCRP



### JSC 29 Future of WCRP and projects (1)

- Key item for JSC 29 was discussion of the future structure of WCRP post ~2013
- JSC considering long term perspective and initiated a process to scope this
- Projects will transition to new WCRP structure (tbd) in the longer term
- Projects asked to contribute to an overall implementation plan to ~2013 against the WCRP Strategic Plan Framework document (also a request from the ICSU review of WCRP)
- Jim Hurrell – SSG co-chair – is holding discussions with Panel and Working Group co-chairs (including AAMP's) to discuss issues and possible response

WCRP



### JSC 29 Future of WCRP and projects (2) How will AAMP be asked to input?

- Initially panels will be asked to respond to the following:
  - What are the imperatives for the panel over the coming years to 2013 and, perhaps, continuing over the next decade? Imperatives are those activities and/or plans that "must" be continued and/or implemented because they are of the highest scientific importance (e.g., they address the most important science issues) with a high likelihood of success.
  - What are the frontiers the panel envisions for the next decade and beyond? Frontiers are new research areas judged to be of great importance, worthy of seeking funding and developing research efforts/programs around, etc.
  - What key developments to enabling infrastructure do you see as necessary to deliver to the above?
- Email has been sent out from the ICPO giving guidance and requesting input
- Responses will contribute to a wider paper being drafted by D/ICPO and which will be circulated for comment before initial submission to the JSC by the New Year.

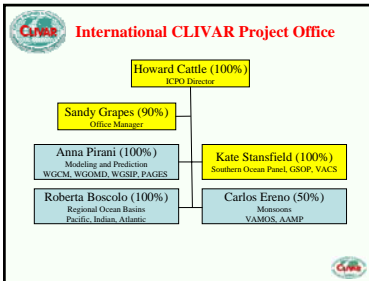
WCRP



### JSC 29 outcomes - some other issues

- JSC agreed that Martin Visbeck join Jim Hurrell and Tim Palmer as CLIVAR co-chair.
- JSC agreed that one co-chair from each panel take up ex-officio membership of the SSG with the other as "alternative".
- Next CLIVAR SSG May 2009 (tbd) will discuss outcomes of and response to JSC-30

WCRP



WCRP

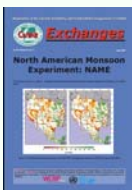


### Functions of the ICPO

- Provide coordination to facilitate CLIVAR implementation
- Facilitate the activities and meetings of the CLIVAR implementation panels and working groups, providing follow up of actions and decisions
- Provide coordination between other projects of WCRP and other national and international programmes and activities
- Development and implementation of CLIVAR data and information management, guided by GSOP.
- Publicize CLIVAR, through its Newsletter, Website, posters, meetings and personal contacts etc. and distribute information on CLIVAR to a variety of recipients



### CLIVAR Exchanges 2008



- Issues on:**
- Furthering the science of ocean climate modelling (Jan 08)
  - North American Monsoon Experiment (Apr 08)
  - Natural modes of climate variability under ACC (Jul 08)
  - General issue (Oct 08)

Size = 32 pages; Distribution - 1700 copies per issue (hardcopy & pdf)

Last AAMP-related issues July 2005 ("The Asian Monsoon") and Oct 2006 (Indian Ocean Climate)

Should AAMP plan a further issue?



Thank you  
[www.clivar.org](http://www.clivar.org)

