SPARC SSG 17, Kyoto

Connections with SPARC

Howard Cattle
ICPO
National Oceanography Centre, Southampton

WCRP
World Climate Research Programme

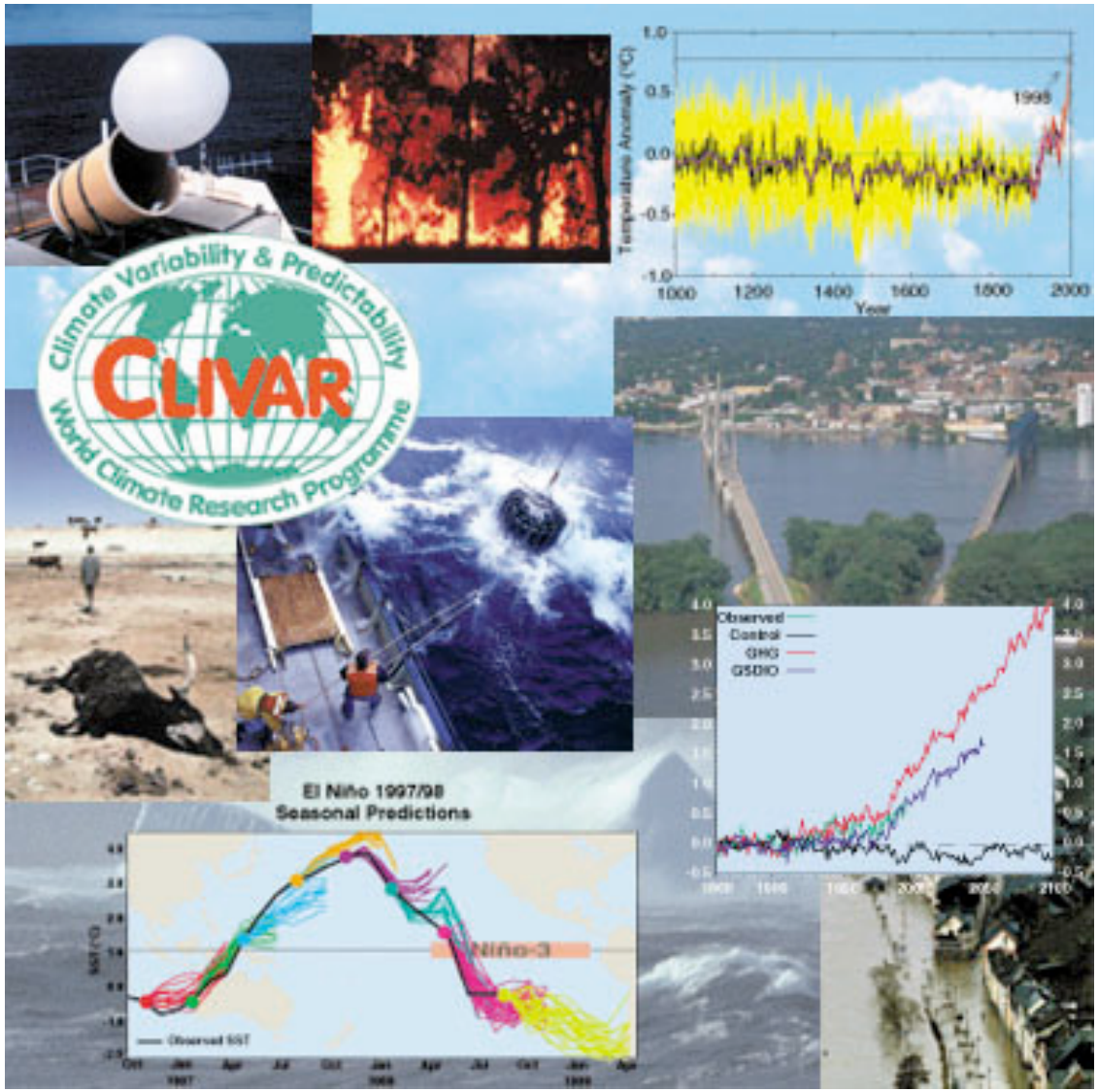
To facilitate the analysis and prediction of Earth System variability and change for use in an increasing range of practical applications of direct relevance, benefit and value to society

WCRP
World Climate Research Prog

CLIVAR (Climate Variability and Predictability)

Mission

To observe, simulate and predict changes in the earth's climate system with a focus on ocean-atmosphere interactions, enabling better understanding of climate variability, predictability and change, to the benefit of society and the environment in which we live.



CLIVAR - global view

CLIVAR Panels and Working Groups

JSC/CLIVAR WG on Coupled Modelling
WG on Seasonal to Interannual Prediction
WG on Ocean Model Development

PAGES-CLIVAR Intersection

ETCCDI

Global Synthesis and Observations Panel

Atlantic Implementation Panel
Indian Ocean Panel
Pacific Implementation Panel
Southern Ocean Panel

Variability American Monsoon System

Variability African Climate System

Asian-Australian Monsoon

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CLIVAR SSC

Members

J. Hurrell (co-chair)	NCAR, USA
M. Visbeck (co-chair)	IFM-GEOMAR, Germany
Tim Palmer (co-chair)	ECMWF, Reading
W Dong	Beijing Normal University, China
L. Goddard	Earth Institute at Columbia, USA
C. R. Mechoso	University of California, USA
T. Tokioka	Frontier Research System for Global Change, Japan

Ex Officio Members:

CLIVAR Panel and Working Group Chairs

T. Ackerman (chair GEWEX SSG)

International CLIVAR Project Office:

H. Cattle (Director)

A. Pirani, K. Stansfield, N. Caltabiano, C. Ereno

S. Grapes

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CLIVAR Climate Variability & Predictability World Climate Research Programme

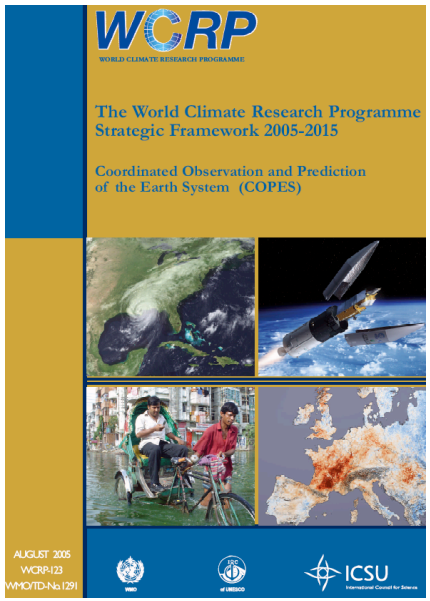
CLIVAR Contributions to Implementation of the WCRP Strategic Framework

Coordinated Observation and Prediction of the Earth System (COPES)

Aim: "*to make new advances in the analysis and prediction of the variability and change of the comprehensive Earth system for use in an increasing range of practical applications of direct relevance, benefit and value to society*"

WCRP Strategic Framework 2005-2015

WCRP
World Climate Research Programme



Consistent with its activities, CLIVAR is responsible for 4 of the WCRP's cross cutting activities: Seasonal Prediction, Decadal Predictability, Monsoons & Climate Extremes, the last two in partnership with GEWEX. It also has responsibility within WCRP for the role of the oceans in climate

WCRP Implementation Plan
CLIVAR Imperatives - key topic areas

1. Anthropogenic Climate Change, including Climate Extremes
2. Decadal Variability, Predictability and Prediction
3. Intraseasonal and Seasonal Predictability and Prediction, including monsoons
   - **CMIP5 experimental protocol (decadal and long term)**
   - **Climate System Historical Forecast Project (CHFP)**
4. Improved Atmosphere and Ocean Components of Earth System Models including Process studies
5. Data Synthesis and Analysis for the Ocean and Coupled Reanalysis
6. Ocean Observing System
7. Capacity Building

Modelling, Observations, Synthesis

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Summary of CLIVAR-SPARC links

- WGCM (CMIP-5) - well in hand
  - Solar forcing, ozone, use of hightop models in CMIP5…
- CHFP via Stratospheric HFP
  - *should we be thinking of an eventual SPARC/CLIVAR Workshop on 'the role of the stratosphere in seasonal, decadal and longer-term climate predictability?*
- Potential for SPARC link to CLIVAR/GEWEX monsoon studies.
- Others e,g, input/links to
  - WGCM modelling survey.
  - Interactions with WGCM activity on observations and analysis for evaluating climate models

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Vacancy Annoucement: Director of CLIVAR IPO

- The World Climate Research Programme (WCRP) and the UK's National Oceanography Centre in Southampton (NOCS) invite applications for the position of Director of the International CLIVAR Project Office (ICPO) Read more information about the post…

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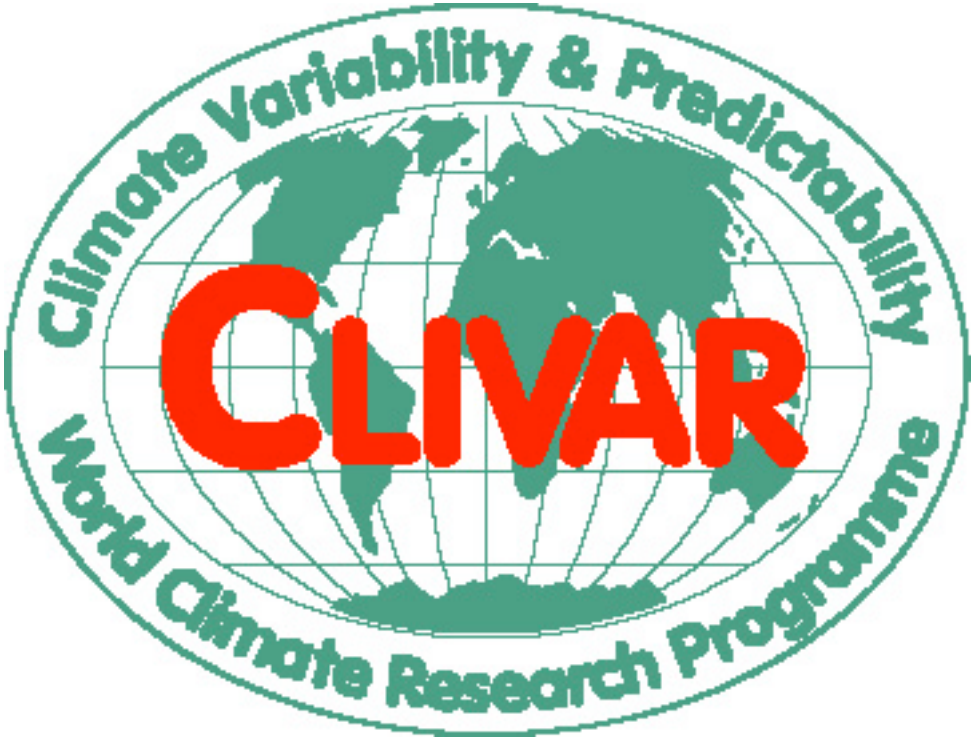
Climate Variability & Predictability
CLIVAR
World Climate Research Programme

Thank you