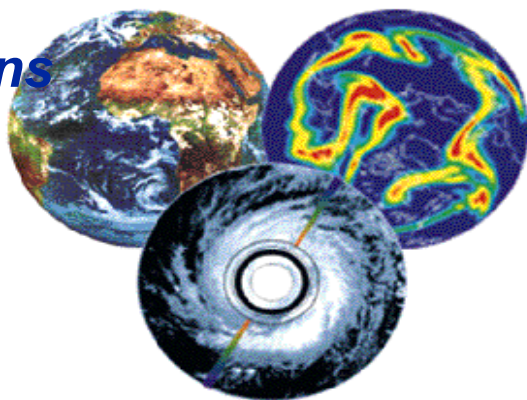


New CEOP/GEWEX and WCRP

***2nd CEOP Annual Meeting
Geneva, Switzerland Sept. 15-17 2008***

Soroosh Sorooshian, Chair GEWEX-SSG

Observations



Models

Products



Some Thoughts Regarding CEOP


*Soroosh Sorooshian,
Chair, GEWEX-SSG*


*Presented to:
CEOP Meeting
EORC-NASDA, Tokyo, Japan
March 6-8, 2002*



Challenges for CEOP Leadership



(The comments below are based upon the past two years' experience in presenting the  concept to international committees and various US agencies)

- ❖  *should not be a mere data collection activity*

- ❖ *Perception that  is too ambitious, and lacks a clear focus:*
 - ❖ *Where's the science?*
 - ❖ *How does CEOP relate to other programs?*



Successful CEOP Leadership

- ❖ *Scientific motivation and reason for  should always be emphasized and regularly updated*
- ❖  *should not be viewed as just a GEWEX/GHP project. Linkages to other programs (CLIVAR, IGBP-related efforts, etc.) should be stressed.*
- ❖ *“Good” data systems will be crucial, and will include:*
 - ❖ *Uniformity of spatial and temporal resolutions for all key datasets*
 - ❖ *Uniformity of data collection format*
 - ❖ *Easy access to datasets*

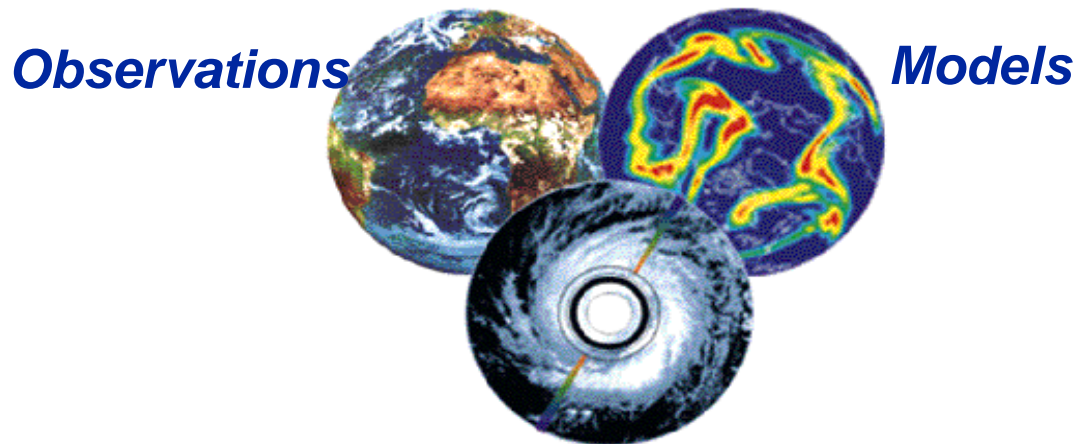


- Thanks to the leadership of Prof. Toshio Koike and many others engaged in CEOP, It is fair to state that the “old” CEOP is meeting the expectations of the community.
- The editorial by Dr. Asrar - WCRP Director, and the few sample articles in the most recent GEWEX NEWS strongly support this conclusion.



A Few Issues for Potential Consideration By GHP

Melbourne, Australia Sept. 26-28 2005



Observations

Models

Products

Soroosh Sorooshian, Chair GEWEX-SSG

Center for Hydrometeorology and Remote Sensing, University of California, Irvine



- **Future of CSE's**; Especially with respect to the common “drivers” (*Observation, modeling, process studies, etc.*). What is the role of GHP in the future of CSE's
- **Relation of GHP with CEOP**; Especially with respect to the potential overlaps of the science goals and specific projects.
- **Redefine the Role of WRAP**; Move towards working on Hydrometeorologic application issues and have the “water resources” matters to joint projects GWSP



GHP: Challenges Posed Last year

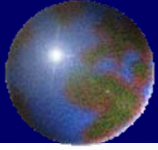
SOME POSSIBLE QUESTIONS:

- Should there be a term date for CSEs?
- Should some CSEs be considered as “graduated”?
- Should the set of Criteria for CSE designation be modified and/or changed?
- How do we assure adequate funding within CSE’s?

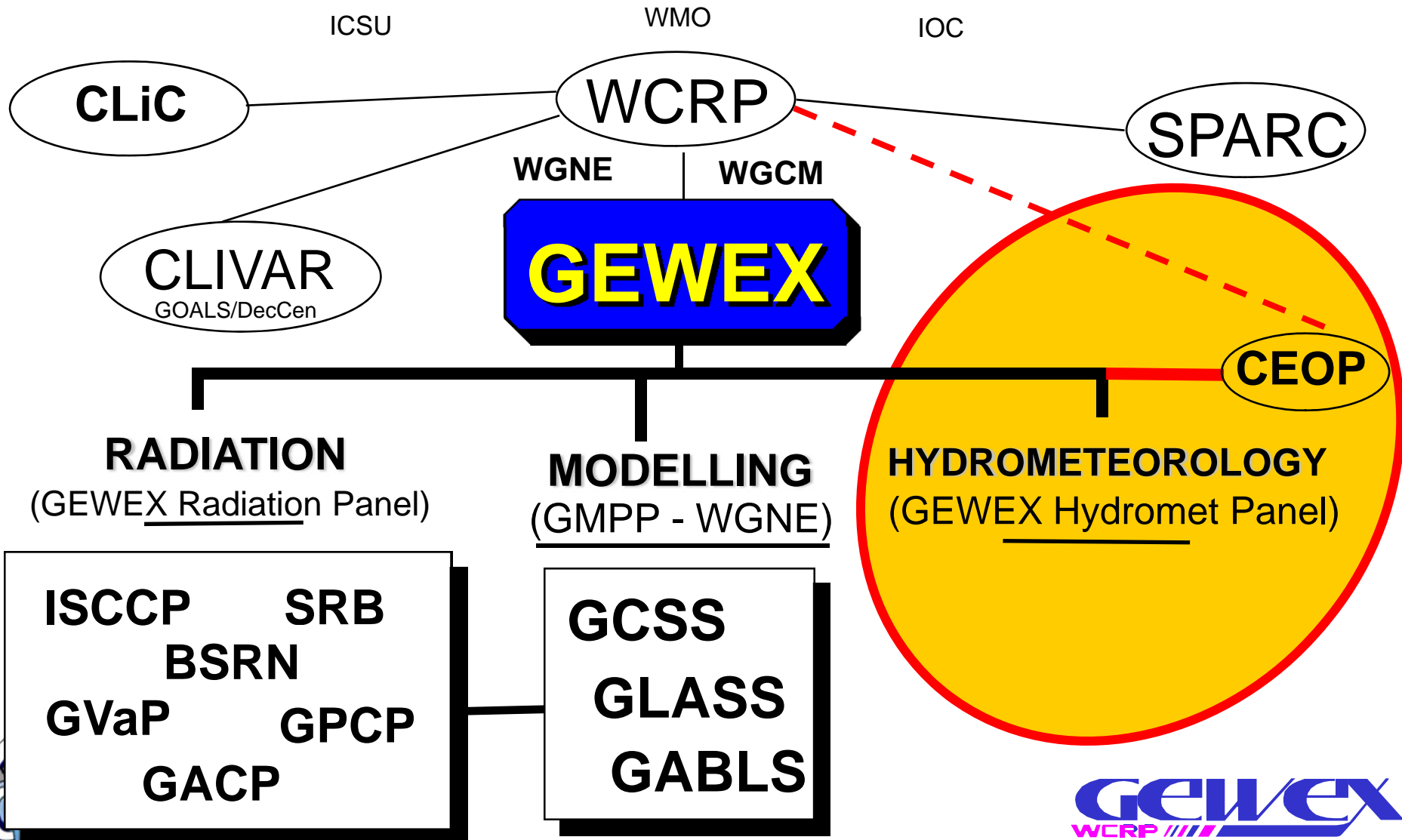


GHP meeting Melbourne: Sept. 2005

Center for Hydrometeorology and Remote Sensing, University of California, Irvine



GEWEX ORGANIZATION



GEWEX ORGANIZATION

Radiation Panel (W. Rossow, Chair)

- **BSRN** **Baseline Surface Radiation Network** (E. Dutton)
- **CIRC** **Continuous Intercomparison of Radiation Codes** (L. Oreopoulos)
- **GACP** **Global Aerosol Climatology Project** (M. Mishchenko)
- **GPCP** **Global Precipitation Climatology Project** (R. Adler)
- **GVaP** **Global Water Vapor Project** (TBD)
- **I3RC** **Intercomparison of 3-D Radiation Codes** (R. Cahalan)
- **ICRCCM** **InterComparison of Radiation Codes in Climate Models**
- Shortwave (H. Barker) - Longwave (R. Ellingson)
- **ISCCP** **International Satellite Cloud Climatology Project** (W. Rossow)
- **LandFlux** **Land Surface Fluxes** (TBD)
- **SRB** **Surface Radiation Budget Project** (P. Stackhouse)
- **SeaFlux** **Sea Surface Fluxes** (C. Clayson)
- **WGCAP** **Working Group for Cloud and Aerosol Profiling** (T. Ackerman)
- **WGDMA** **Working Group on Data Management and Analysis** (W. Rossow)
- **WGPRN** **Working Group for Precipitation Radar Networks** (V. Levizzani)

Modelling and Prediction Panel (C. Jakob, Chair)

- **GABLS** **GEWEX Atmospheric Boundary Layer Study** (B. Holtslag)
- **GCSS** **GEWEX Cloud System Study** (P. Siebesma)
 - **Boundary Layer Clouds** (P. Siebesma)
 - **Cirrus Cloud Systems** (S. Dobbie)
 - **Precipitating Convective Cloud Systems** (J. Petch)
 - **Polar Clouds** (J. Pinto)
 - **GPCI - GCSS Pacific Cross-section Intercomparison** (J. Teixeira)
- **GLASS** **GEWEX Global Land/Atmosphere System Study** (A. Pitman; B. van den Hurk)
 - **ALMA Assistance for Land-surface Modelling Activities** (T. Oki)
 - **GLACE-2 Global Land/Atmospheric Coupling Experiment** (R. Koster)
 - **GSWP-2 Global Soil Wetness Project** (P. Dirmeyer)
 - **LoCo Local land-atmospheric Coupling** (B. van den Hurk)
 - **PILPS Project for Intercomparison of Land Surface Parameterization Schemes** (A. Pitman)

Coordinated Energy and water-cycle Observations Project (T. Koike, J. Roads, Co-Chairs)

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- **AMMA** **African Monsoon Multidisciplinary Analysis Project** (A. Gaye)
- **BALTEX** **Baltic Sea Experiment** (H.J. Isemer)
- **CPPA** **Climate Prediction Program for the Americas** (J. Huang)
- **LBA** **Large-Scale Biosphere-Atmosphere Experiment in Amazonia** (J. Maia)
- **LPB** **La Plata Basin Project** (H. Berbery)
- **MAHASRI** **Monsoon Asian Hydro-Atmospheric Science Research and prediction Initiative** (J. Matsumoto)
- **MDB** **Murray-Darling Basin Water Budget Project** (A. Seed)
- **NEESPI** **Northern Eurasia Earth Science Partnership Initiative** (P. Groisman)

Cross-cutting Studies

- **Water and Energy Budget Studies** (J. Roads)
- **Extremes** (R. Stewart)
- **Stable Water Isotope Working Group** (D. Noone)
- **Aerosols** (W. Lau)
- **Global Models** (M. Bosilovich)
- **Regional Climate Models**
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- **Satellite** (J. Bates)
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GEWEX *In Memory of John Roads*

WCRP



*Thanks to Ron Stewart
for accepting the role of
co-chair for CEOP .*



Challenge for CEOP in the Immediate Future

1- Determining the role of RHPs and how the “new” CEOP can contribute to GEWEX/WCRP goals. *(the Whole greater than sum of the parts!)*

2- Define strategy for the “crosscut” projects *(Monsoons and Extremes)* to ensure that GEWEX contributions to WCRP goals in this regard are clear.

Keep in mind that the sunset date for GEWEX, and all other WCRP projects, is only a few years away!



2013!

GEWEX Main Stakeholders

Have a great meeting and fruitful discussions!

And please keep in mind the requirements of our primary stakeholders

- * **NWP Centers (Since beginning of Phase I)**
- * **Operational Hydrologic services (Phase II)**
- * **Others???**

