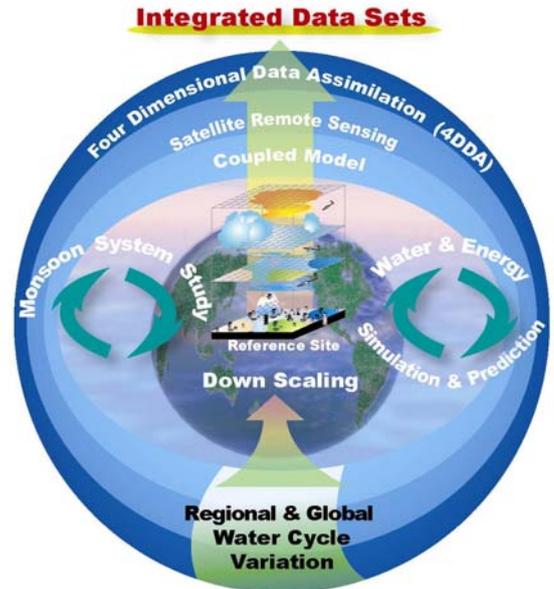
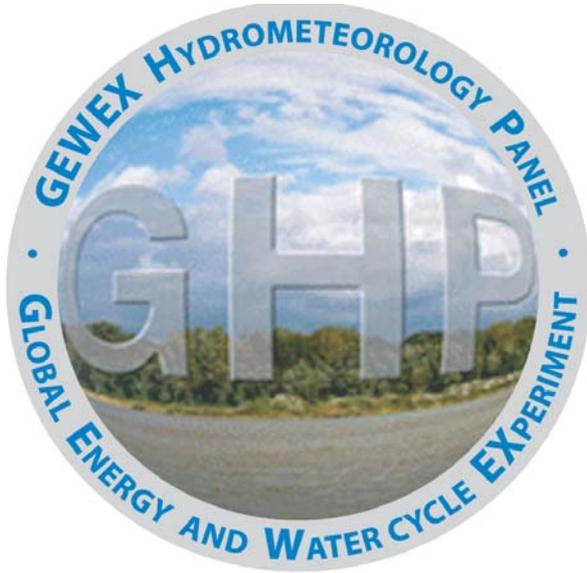


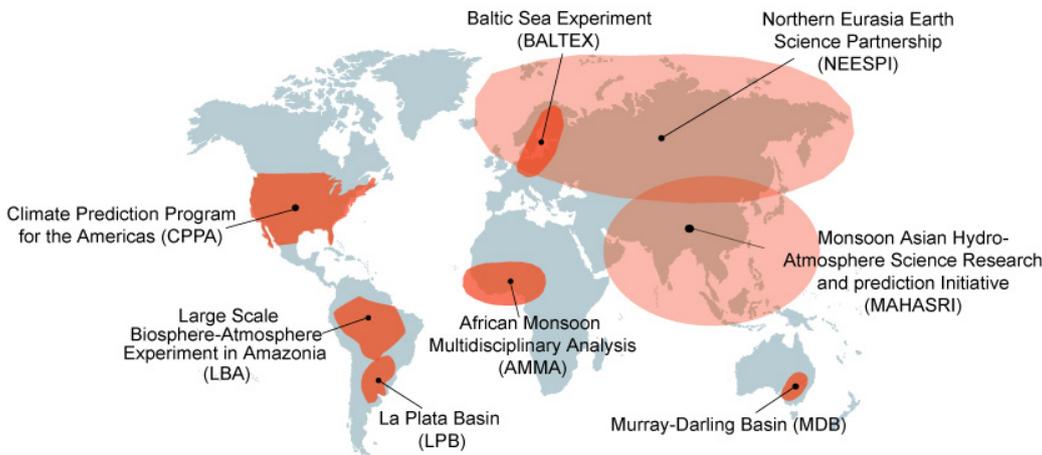
Coordinated Energy and water cycle Observations Project

John Roads
CEOP co-chair



Former GHP

GEWEX REGIONAL HYDROCLIMATE PROJECTS



Data Management

Water and Energy Budget Studies

Worldwide Integrated Study of Extremes

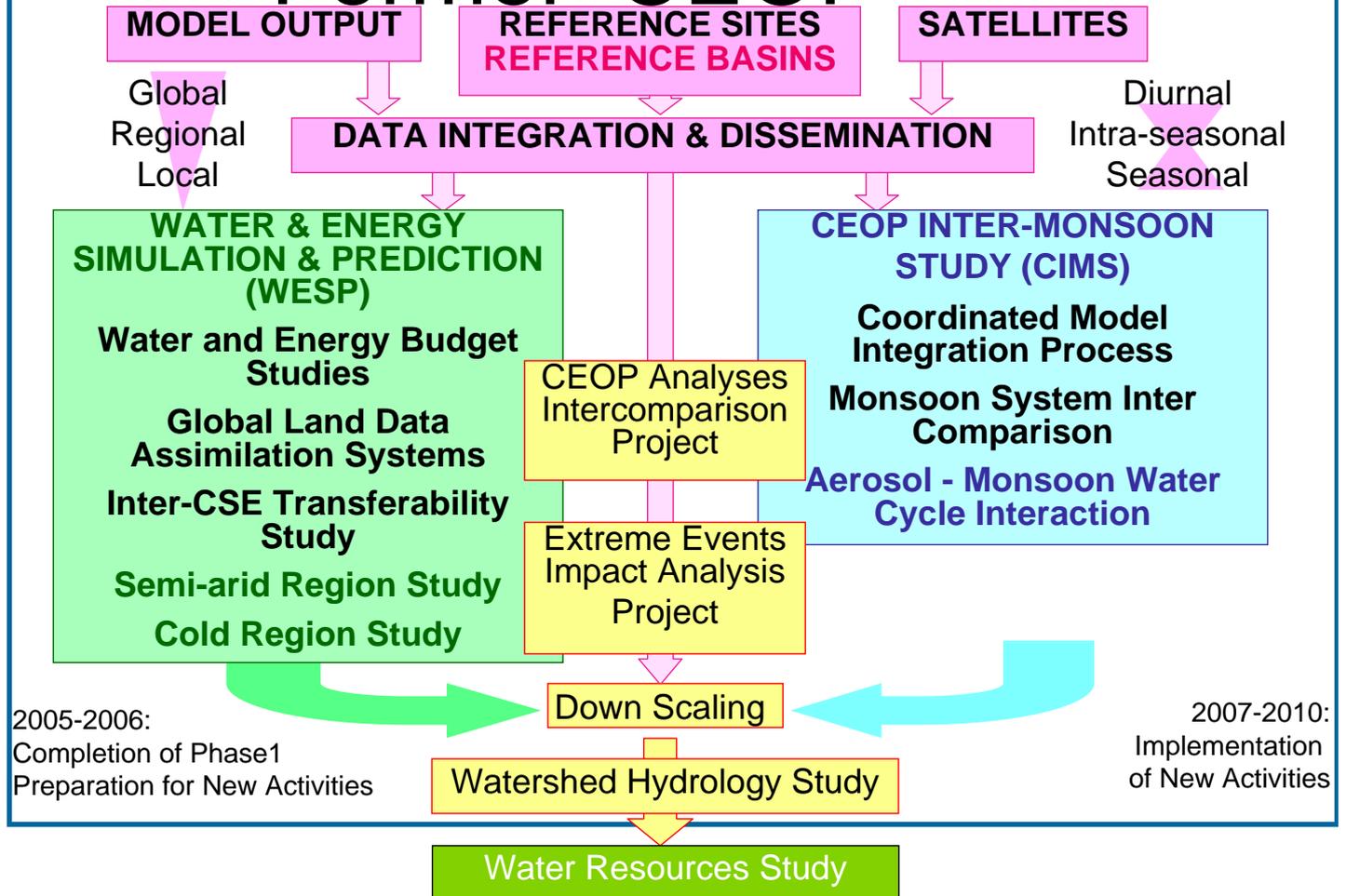
Stable Water Isotope Intercomparison Group

Transferability

Water Resource Applications Project



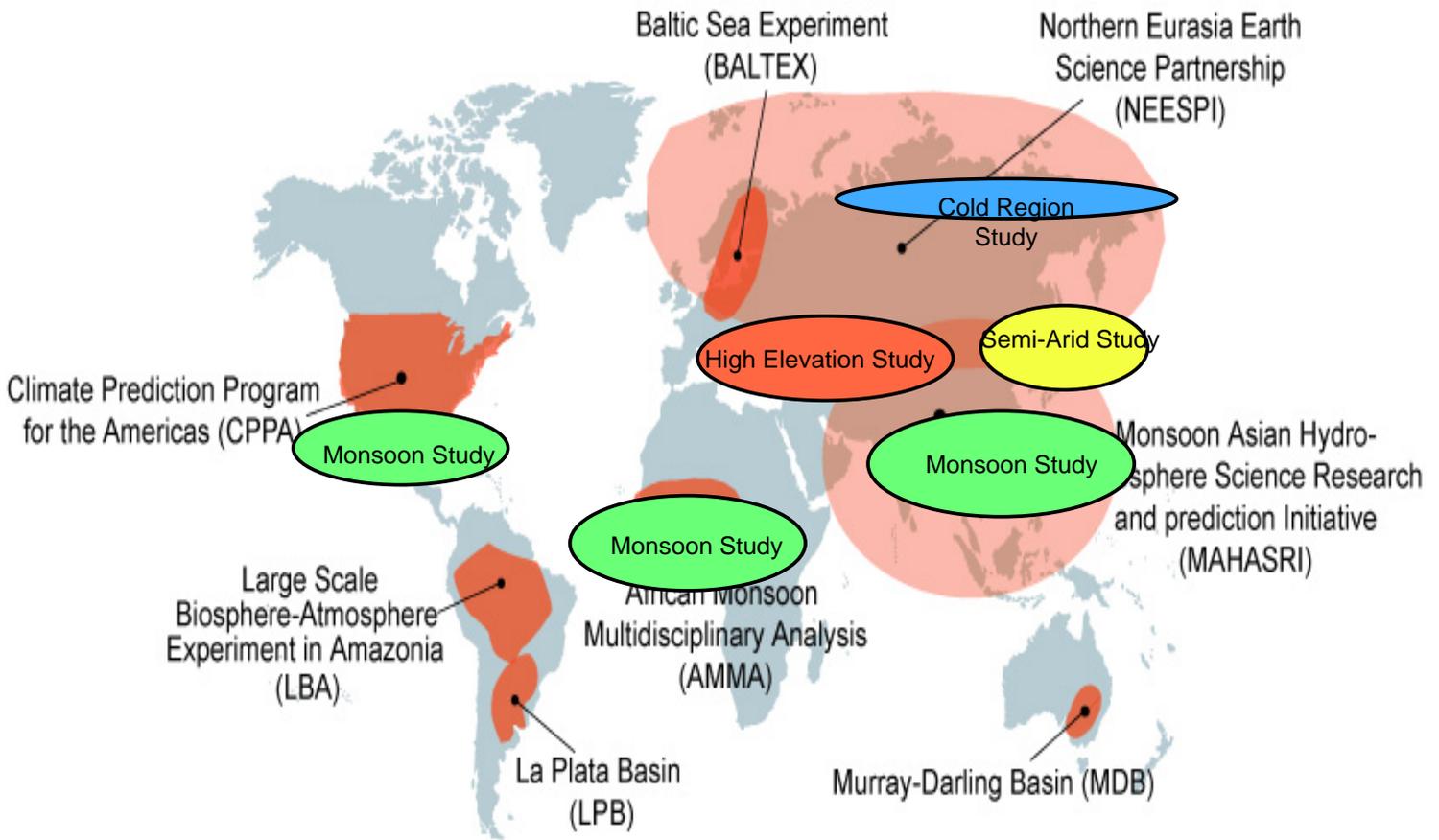
Former 'CEOP'



GHP / 'CEOP' activities

• DMWG	• DM
• WEBS	• WEBS
• WISE	• Extremes
• SWING	• SWING
• TWG	• ICTS, Global Models, LDAS
• HAP	• HAP
• RHPs	• Monsoons, SAS, Polar, High Elev.
• Global Projects	• Global Projects

CEOP Regional Foci



Regional Hydroclimate Projects, Regional Foci

- **RHPs**
 - CPPA, LBA, LPB, BALTEX, AMMA, NEESPI, MAHASRI, MDB
- **RF**
 - Monsoons, SAS, CRS, HE
- **Definitions**
 - How do we define an RHP, ie technical and scientific criteria?
 - What is the definition of a RF?
- **What are going to be the objectives, milestones, contributions to the GEWEX roadmap of the, RHPs, RFs?**
- We are looking for overall RHP, RF summaries - today's plenary, as well as individual contributions -ie, what will CPPA contribute to the GEWEX roadmap, in tomorrow's individual summaries.

Modeling Studies

- **Models**
 - Global Models
 - Regional Models
 - Inter-Continental Transferability Study
 - REMOVE
 - WGNE/GMPP linkage
 - Land Surface Models
- What is the definition of a modeling study? Have we identified all of the relevant working groups? What are going to be the objectives, milestones, contributions to the GEWEX roadmap of the CEOP modeling studies?

Crosscutting Studies

- **WEBS, Extremes, Aerosols, SWING**
- What is the definition of a crosscutting study? Have we identified all of the relevant working groups? Are there too many groups? What are going to be the objectives, milestones, contributions to the GEWEX roadmap of the CEOP crosscutting and modeling studies?

Data Management

- **DM**
 - **In situ, River Basins**
 - **Model**
 - **Satellite**
 - **Data Integration**
 - **Global Data Projects**
- What are going to be the objectives, milestones, and contributions to the GEWEX roadmap of DM in general and for each of the DM components in particular?
- What is the relationship of various global data projects: GPCC, GRDC, BSRN, GRP, IAEA - with CEOP DM?

Summary

- We are now trying to merge previous activities of the former GHP and former CEOP and come up with an integrated plan we can present to the GEWEX SSG!
- In order to do this, we need to know what the objectives, milestones, and contributions to the GEWEX roadmap of each of the elements of the new CEOP, collectively and individually, are going to be.
- The results of the discussion at this meeting will then be written up as part of the new CEOP plan and will be presented at what will become an annual CEOP meeting to be held each fall from now on.

- ## Timeline
- **June 1** Summary reports from all CEOP elements using appropriate GEWEX template.
 - **Aug. 31** A CEOP tiger team will then take these reports and try to come up with a preliminary CEOP science and implementation plan by the end of the summer.
 - **Sept. 5-7** We aim to have this new CEOP plan in place and to be presented at the next CEOP meeting for final discussion
 - **Jan. 2008?** Plan presented to GEWEX SSG and then ultimately to WCRP

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)
- ICRCM InterComparison of Radiation Codes in Climate Models (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)

Regional Hydroclimate Projects (RHPs)

- 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)

Regional Studies

- High Altitude (G. Tartari)
- Monsoon (J. Matsumoto)
- Polar (T. Ohata)
- Semi-arid (C. Fu)

Data Infrastructure

- In Situ, River Basins (S. Williams)
- Model Output (M. Lautenschlager)
- Satellite (T. Koike)
- Data Integration and Dissemination (K. McDonald)

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
 - Inter-Continental Transferability Study (B. Rockel)
 - Regional Modelling for Variability and Extremes (R. Arritt)
 - GEWEX Modelling and Prediction Panel (C. Jones)
- Land Surface Models (M. Rodell)
- Hydrologic Applications Project (E. Wood)

Affiliated Global Organizations

- GPCC Global Precipitation Climatology Centre (T. Fuchs)
- GRDC Global Runoff Data Centre (T. Maurer)
- IAHS International Association of Hydrological Sciences (A. Hall)