

**Provisional timeline/agenda: The Third Annual Meeting of the Coordinated Energy and Water Cycle Observations Project (CEOP) Melbourne, Australia  
19–21 August 2009 (Version 5e; 10 August 2009)**

**Meeting site = Bureau of Meteorology (BoM) Head Office at 700 Collins Street, Docklands, Melbourne, VIC 3001, Australia**

**WEDNESDAY, 19 AUGUST 2009:**

**0800 – 0900 REGISTRATION**

**PART 1: Opening of Meeting and Introduction:**

The Co-Chairs have organized the meeting to clarify the key objectives of CEOP going forward. This is necessary to respond to a review of progress and plans within the World Climate Research Programme (WCRP) and its core project the Global Energy and Water-cycle Experiment (GEWEX). The main points under consideration are, how is CEOP:

- To extract the maximum science from our years of preparation in our chosen focal point areas
- To plan specific, do-able and collective actions over the next year
- To document its contribution to GEWEX/WCRP and make specific requests from them

**0900 – 1030**

**1. Opening of Meeting**

1.1 Welcoming Remarks/Logistics Local Host: (CEOP-Koike/Stewart; GEWEX-T. Ackerman; A representative of the Bureau of Meteorology (BoM) of Australia or the Centre for Australian Weather & Climate Research (CAWCR); Australia's Commonwealth Scientific and Industrial Research Organisation (CSIRO)-Cleugh

1.2 Introduction to Meeting Objectives and Agenda (T. Koike/R. Stewart)

1.3 Status of CEOP including Scientific results, issues and plans (Stewart/Koike)

**0930 – 1030**

**2. Coordinated Energy and Water-cycle Observations Project (CEOP) International connections and Outreach Strategy**

CEOP in WCRP (V. Detemmerman)

GEWEX Interactions (T. Ackerman/K. Trenberth)

GEWEX International Project Office Coordination (P. Oevelen)

CEOP Science Framework and Crosscutting Strategy including connections to Asian and African Water Cycle Initiatives and CEOP HAP (T. Koike)

**1030 – 1100 BREAK**

## **WEDNESDAY, 19 AUGUST 2009: (Continued)**

**PART 2:** Metrics for Success including Scientific Achievements and Data; Activities; Contributions to WCRP/GEWEX; and Requirements for Success

**1100 – 1730**

**3. Special Sessions Review/Assessment: Guided Discussions will be undertaken for each major Component of CEOP; Hydroclimate Projects, Regional Climate Foci, and Crosscutting Science foci, Model and Data.**

During this Part Each CEOP element will be reviewed on the items as noted in Part 1, above. Each area should summarize specific items in the following form:

10 min Introduction ... objectives of this aspect, strategy: **Topic Area Lead**

15 min Review of CEOP 2008 meeting status, actions, plans: **Topic Area Lead**

15 min short talks by each Reps/Leads (objective, recent updates, plans...)

Open discussion (summary, key issues, plans, ideas leading to a Synthesis Article/Special Journal Issue/Joint Activities/Actions): **Led by Topic Area Lead**

5 min overall summary: Topic Area Lead

**1100 – 1200**

### **3.1 Regional Hydroclimate Projects Special Session**

Led by R. Stewart – Introduction: Criteria Review, Outstanding Issues (specific/common), Evaluation of Activities (regional up to “global”), Contributions to and Benefits from CEOP structure/strategy, Role going forward.

Participants must be prepared to be responsive to topics from introduction and identify specific contributions they can make to a Synthesis Article.

MDB (J. Evans)

AMMA (J. Polcher)

LBA (A. Araujo/L. Horta)

LPB (H. Berbery)

BALTEX (H.-J. Isemer)

CPPA (M. Ek for J. Huang)

MAHASRI (J. Matsumoto)

NEESPI (R. Lawford for P. Groisman)

Possible Connections to HyMeX (TBD)

The Australian Water Initiative (Neil Plummer)

**1200 – 1300 LUNCH**

**WEDNESDAY, 19 AUGUST 2009: (CONTINUED)**

**1300 – 1400**

3.1 Regional Hydroclimate Projects Review/Report Discussion (Continued)

Summary of Issues, Recommendations and Actions

**1400 – 1430 BREAK**

**1430 - 1630**

3.2 Regional Climate Foci Special Session

Led by T. Koike – Introduction: Issues, Activities, Contributions/Benefits, Role

10 min Introduction ... objectives of this aspect, strategy: **T. Koike**

15 min Review of CEOP 2008 meeting status, actions, plans: **T. Koike**

**15 min short talks by each Rep/Lead (objective, recent updates, plans...)**

Monsoons (J. Matsumoto/H. Berbery)

Semi-arid Regions (W. Guo)

Cold Regions (T. Ohata)

High Elevations Initiative (G. Tartari)

Invited Talk: CEOP-AEGIS (Massimo Menenti)

Invited Talk: CEOP Contribution to GEO Water Tasks (R. Lawford)

**1630-1730**

3.1a/3.2a RHP and Regional Climate Foci Joint Open Discussion Session(s)

An Open Discussion Session will be held jointly with the RHP and Regional Climate Foci Reps/Leads and all other Participants to discuss, summary, key issues, plans, ideas leading to a Synthesis Article/Special Journal Issue or other Joint Activities/Actions: Led by **Stewart/Koike**

**1730 – ADJOURN**

**1745-1845 ICEBREAKER/RECEPTION**

**THURSDAY, 20 AUGUST 2009:**

**0900 – 1800 : PART 2:** (Continued)

**0900 – 1200**

**3.3 Crosscutting Science Studies Special Session**

Led by R. Stewart – Introduction: Issues, Activities, Contributions/Benefits, Role

10 min Introduction ... objectives of this aspect, strategy: **R. Stewart**

15 min Review of CEOP 2008 meeting status, actions, plans: **R. Stewart**

**15 min short talks by each Rep/Lead (objective, recent updates, plans...)**

SWING (K. Yoshimura) – By Remote Conference Call from USA  
WEBS (K. Yang)  
Extremes (R. Stewart)  
Aerosols (TBD)

**1030 – 1100 BREAK**

**1100 – 1200**

**3.3 Crosscutting Science Studies Review/Report Discussion (Continued)**

An Open Discussion Session will be held with Crosscutting Science Studies Climate Foci Reps/Leads and all other Participants to discuss, summary, key issues, plans, ideas leading to a Synthesis Article/Special Journal Issue or other Joint Activities/actions: Led by **Stewart/Koike**

**1200 – 1330 LUNCH**

**THURSDAY, 20 AUGUST 2009 (CONTINUED):**

**1330 – 1630**

3.4 CEOP Modeling Session

Led by M. Bosilovich–Introduction: Issues, Activities, Contributions/Benefits, Role

10 min Introduction ... objectives of this aspect, strategy: **M. Bosilovich**

15 min Review of CEOP 2008 meeting status, actions, plans: **M. Bosilovich**

**15 min short talks by each Rep/Lead (objective, recent updates, plans...)**

Global (M. Bosilovich)  
Regional (B. Rockel)  
Land (M. Rodell)  
HAP (E. Wood)  
GEWEX/GLASS-QUEST (M. Ek)

**1500 – 1530 BREAK**

**1530 – 1630**

3.4 CEOP Modeling Session (Continued) - Modeling

An Open Discussion Session will be held with Modeling Session Reps/Leads and all other Participants to discuss, summary, key issues, plans, ideas leading to a Synthesis Article/other Joint Activities/Actions: Led by **Stewart/Koike/Bosilovich**

**1630 – 1800**

3.5 CEOP Data Management – Satellite Data Session

Led by T. Koike –Introduction: Issues, Activities, Contributions/Benefits, Role

10 min Introduction ... objectives of this aspect, strategy: **T. Koike**

15 min Review of CEOP 2008 meeting status, actions, plans: **T. Koike**

**15 min short talks by each Rep/Lead (objective, recent updates, plans...)**

JAXA contributions (K. Umezawa)  
NASA contributions (MODIS Team Provided Chart)  
ESA contributions (E.-A. Herland)  
NOAA contributions (TBD)

**1800 ADJOURN**

## **FRIDAY, 21 AUGUST 2009:**

### **0900 – 1200**

#### **3.5 CEOP Data Management (Continued) – In-situ, Model, Global, Integrated**

Led by S. Williams–Introduction: Issues, Activities, Contributions/Benefits, Role

10 min Introduction ... objectives of this aspect, strategy: S. Williams

15 min Review of CEOP 2008 meeting status, actions, plans: S. Williams

#### **15 min short talks by each Rep/Lead (objective, recent updates, plans...)**

Reference Site/ River Basins (S. Williams)

Model Data (MPI Charts) and (M. Ek: NCEP Talking Points)

Global Data Centers (U. Looser)

Data Integration (E. Ikoma/M. Yasukawa)

### **1030 – 1100 BREAK**

### **1100 - 1200**

#### **3.5 CEOP Data Management (Continued)–In-situ, Model, Global, Integrated**

An Open Discussion Session will be held with Modeling Session Reps/Leads and all other Participants to discuss, summary, key issues, plans, ideas leading to a Synthesis Article or Special Journal Issue or related publication: **Led by Williams/Koike/Stewart**

### **1200 – 1330 LUNCH**

### **1330 – 1530 : PART 3 – Integration of Work in CEOP Synthesis Article and through other Joint Activities/Actions**

#### **3.6 INTEGRATED DISCUSSION SESSION**

**(Note: This discussion session will involve all participants in Plenary and MAY INCLUDE BREAKOUT SESSIONS)**

Using the Synthesis Article form/content as a guide, **All Participants** must be prepared to contribute ideas to such an Article or to other Joint Activities/Actions discussed during the meeting. The discussion items may include:

-The form/content of the CEOP Synthesis Article, Schedule for its Publication, Co-Author Attributes, Summary of Remaining Actions and Follow-up Process

**FRIDAY, 21 AUGUST 2009 (Continued):**

**3.6 INTEGRATED DISCUSSION SESSION (Continued)**

**Koike and Stewart** (CEOP Co-Chairs) have agreed that the Framework for the discussion would be based on the concept of the development of a CEOP Synthesis Article for publication after the meeting. This concept is expected to enable participants to prepare/submit material in advance using a standardized format/outline suggested for such Publications. An initial outline has been expanded on so that it now has the following form and topics:

**1330 – 1530 : PART 3 – Integration of Work in CEOP Synthesis Article and other Joint Activities–(CONTINUED)**

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(I) **General/Comprehensive CEOP Synthesis Article**

1. Introduction (background, objectives, strategy)
  2. Datasets and data integration (model, observations)
  3. Science Progress (regional to particular themes and global perspectives)
  4. Implications (models, remote sensing, monitoring, climate change)
  5. Concluding Remarks (the problem, progress, plans)
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**1530 – 1600 BREAK**

**1600 – 1630 MEETING WRAP-UP SESSION**

**1630 – 1800 Science Coordination Group Discussion**

**1800 ADJOURN**