

In-situ Data Breakout Group Questions

- What are the CEOP Requirements?
- Status for addressing these requirements?
- Address key issues that prevent achieving success in the data provision/handling
- How can we best coordinate RHP efforts in data provision/handling?
- What coordination is needed within CEOP, GEWEX panels, and other groups to ensure data are provided?
- Plans over the next 1-3 years for handling, providing, and integrating these data

NEXT STEPS.....

- Complete existing Phase 1 archive to extent possible
- Need to engage existing Reference Sites to continue data submission
- Update existing and obtain new Reference Site required Metadata
- Initiate Reference Site Manager teleconferences
- Continue to coordinate with other CEOP Data Centers
- Continue to coordinate with other global projects and archives (e.g. BSRN, FluxNET, etc.)

1) What are the CEOP Requirements?

Gap between station data and area data (analyses, etc) – make better use of other data sources

Possible common “catalog” of available products from various RHPs. Currently there are only links to the various RHP archives

Need for supporting datasets such as land classification, DEMs, etc.

For extremes, in-situ data is insufficient – need denser coverage of data and use of satellite data/model output

Perhaps develop some joint or integrated datasets (e.g. KMZ files)

Reference Sites need to provide all essential water and energy variables – Sites are all different but were selected for unique capability

2) Status for addressing these requirements?

**How many Reference Sites do we need? Duplication of Climatic regimes?
Refine the list of Reference Sites**

**How should we handle new data types (e.g. Aerosol)? Common formats?
Questionnaire to help evaluate**

**Need to access the number and reference site scientific requirements –
CEOP needs to look at what observations are needed....**

3) Address key issues that prevent achieving success in the data provision/handling

Initiate process by sending letter from CEOP, WMO, GEWEX, etc.? – This should be done on an individual basis as needed by site/RHP

Entrain RHP in this process – take responsibility for communication

Some Reference Sites need help in preparing datasets

Discussion on gap-filling.... Process is not consistent or documented well

Use of U of Tokyo data processing system – LBA to try as a test case

4) How can we best coordinate RHP efforts in data provision/handling?

Scheduled telecons to coordinate site managers

Perhaps develop regional groups to work on specific issues without wasting time of every Reference Site

RHPs need to take responsibility to help coordination

5) What coordination is needed within CEOP, GEWEX panels, and other groups to ensure data are provided?

Perhaps organize joint projects

Compile lessons learned

Improve communication between cross cutting themes and within GEWEX regarding scientific objectives and data requirements – use of common datasets

Good to provide success stories

6) Plans over the next 1-3 years for handling, providing, and integrating these data

Continue to gather metadata from existing and new Reference Sites

Try to obtain remaining Phase 1 data (to the extent possible) – Some sites will need to be “dropped”

Work with the various cross cutting themes to establish data requirements

Review the Reference Site List and obtain commitment

