1. Soil moisture and the South American monsoon by Hugo Berbery (La Plata Basin)

Using ETA model, check sensitivity of soil moisture on precipitation

-> information will be used in field experiment

No reference site in La Plata

-> need to establish one reference site in the basin

2. Pan-WCRP Workshop by Tetsuzo Yasunari

March 2004: JSC in Moskow

Weak coordination and collaboration in monsoon related activity in Asian and Australian monsoon between CLIVAR and GEWEX (and CEOP)

June 2004 informal meeting at CLIVAR Conference more discussion

Pan-monsoon workshop in June 2005 focusing on monsoon modeling

CLIVAR: atmosphere-ocean interaction,

GEWEX: regional land-atmosphere interaction

Focus: Fundamental physical processes common to monsoon systems for the Improvement of model physics

Outcome: Unified group in WCRP under COPES

Requirement for observation/data in CEOP II

3. Other issues:

2005-07 Phase II first half: Research using CEOP-I data

Focus on diurnal cycle/seasonal cycle

Full 2-year cycle data -> utilize -> more results

Modeling results validated by CEOP data

Example: Regional model comparison in East Asian monsoon (RAIMEP) 1998 (wet year) /2003 (dry year) by Yuqing Wang

Data center in IPRC in Hawaii/ China, Taiwan, Japan, South Korea, Germany

Focus: Diurnal cycle

TRMM data/reference site data

Current model parametalization: Making too tall tower clouds

How diurnal cycles affect ISO or ISO affects diurnal cycle?

More works/collaboration needed among GCM/RSM/CRM

Collaboration with WESP is needed

4. Focus area:

Diurnal cycle, ISO, Annual cycle: No change

New challenge: Semi-diurnal cycle, more studies on seasonal transitions

5. New science foci: monsoon-aerosol interaction

Chemical component of deposition in the Himalaya (by Gianni Tartari): differences between pre-monsoon and monsoon, between west and east

ABC observation in the Himalayas -> more collaboration is needed between chemist and atmospheric scientists

Physical climate/environment interaction -> aeroso problem

Aeronet observation results -> include CEOP data, Add CEOP Himalayan or some other stations to Aeronet in CEOP II.