

# Regional Hydroclimate Project (RHP)

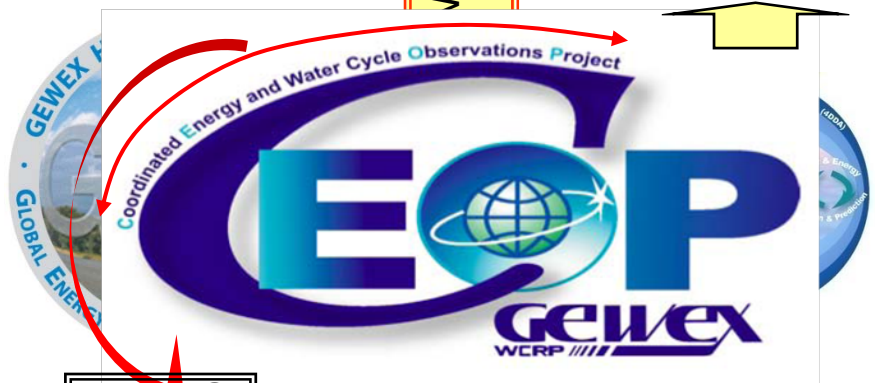


coordination

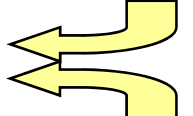
report  $\updownarrow$  advise

Panel

Data Integration



CEOS Space Agencies



NWPCs

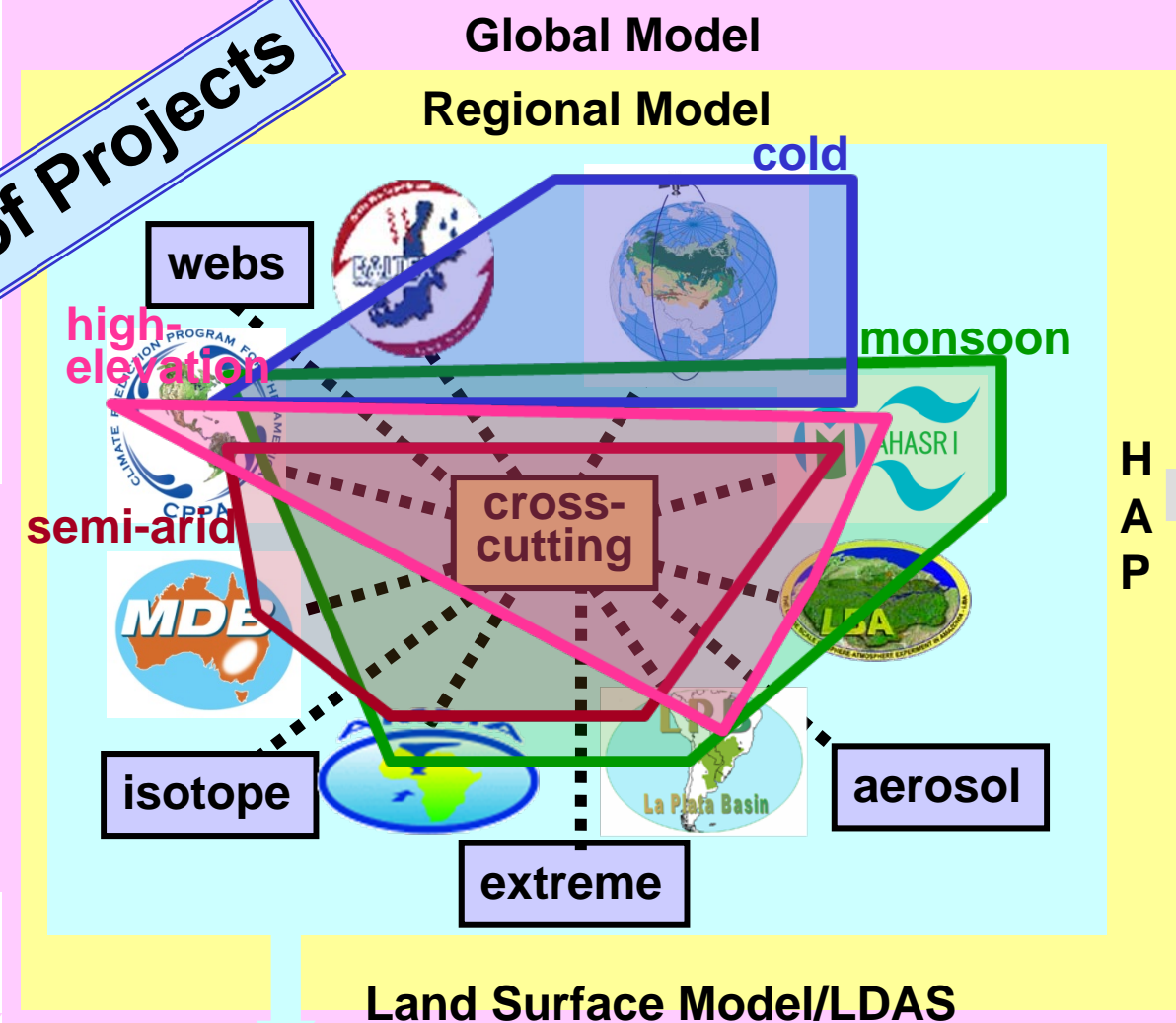
Coordinated Energy & Water Observation Project (CEOP)

- DMWG
- WEBS
- HAP
- WISE
- LDIA
- TWG
- ICTS
- SWING
- GRDC
- GPCC

# History of CSEs/RHPs, GHP and CEOP

# A Project of Projects

- NWPCs/ACs**  
 NCEP, JMA  
 ECPC, BoM  
 UKMO, CMC  
 ECMWF  
 CPTC  
 NCMWF  
 EPSON MET  
 GMAO GLDAS



H  
A  
P

Societal Benefits

Global Dataset Projects

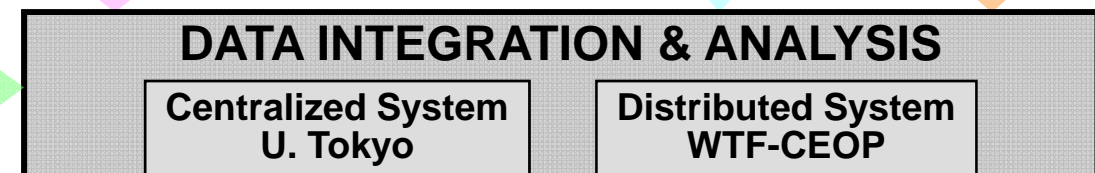
WDC-C  
MPI-M

Reference Sites  
River basins

NCAR/EOL

UT&JAXA

- Satellite data  
**CEOS**  
 JAXA  
 NASA  
 ESA  
 NOAA  
 EUMETSAT  
 WGISS  
 WGCV



“overlap”, “duplication”, “big eater”, , , ,

We should be modest to those criticisms.

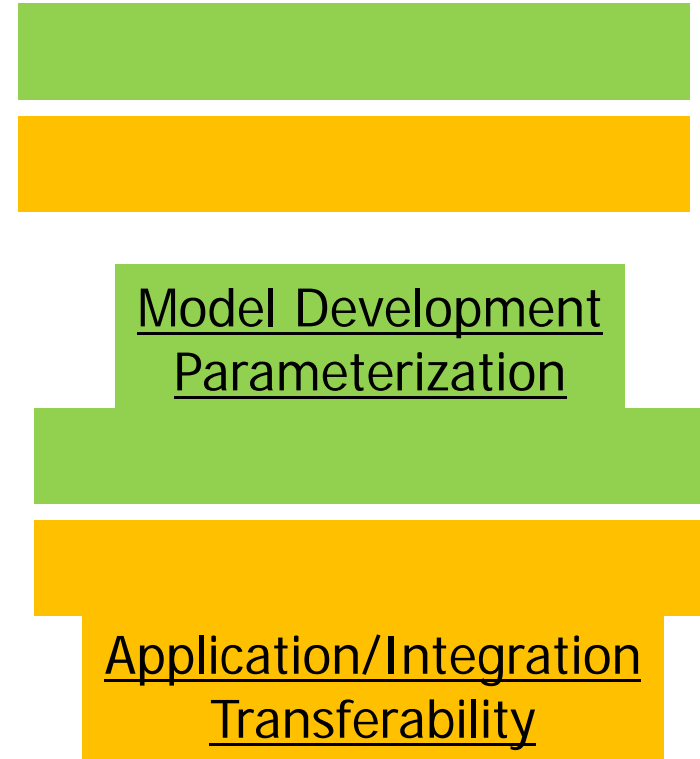
**BUT**

## Overlap



Overlap? -> Well Coordination

## Duplication



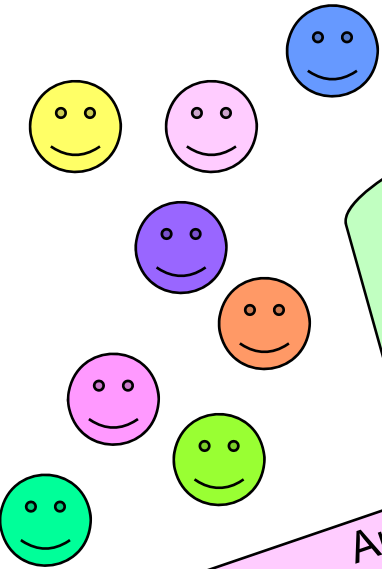
Model Development  
Parameterization

Application/Integration  
Transferability

Duplication? -> Well Complementary

# Big Eater? → Fruitful Mother

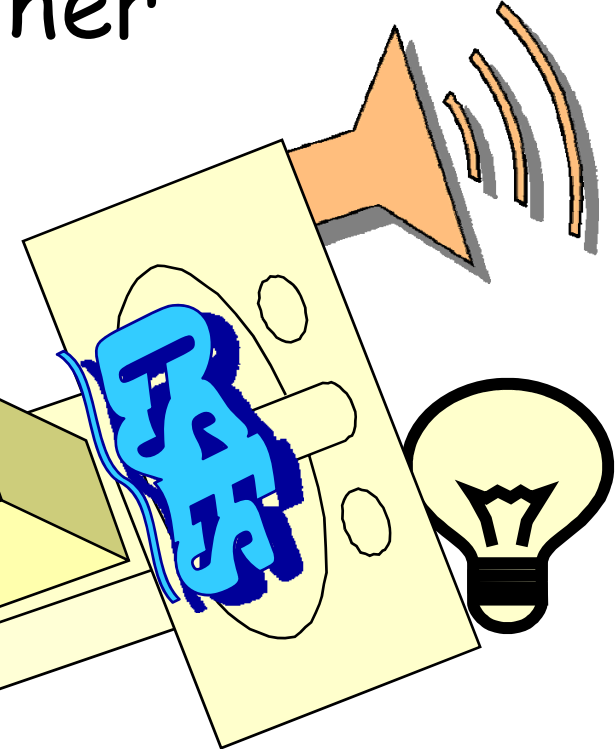
scientific benefits



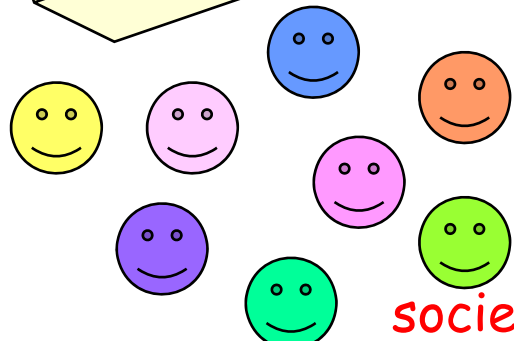
Water & Energy  
Simulation & Prediction

Data  
Infrastructure

Extremes  
Hydrology Application  
**cross-cutting**



Inter-Monsoon Study



societal benefits

Going Forward

“overlap”, “duplication”, “big eater”, , , ,

We should be modest to those criticisms.

BUT

do not hesitate to accept them.

They express a certain part of CEOP,

a science for knowledge integration.

By promoting communication, coordination and cooperation,

let's change the criticisms to applauses,

and contribute to science and societal benefits.

E. Herland (ESA), K. Umezawa(JAXA)

E. Manfredi (HE)

R. Pinker (radiation), M. Menenti(land surface, fluxes)

T. Koike (soil moisture, snow, fluxes, atmospheric hydrology)

(i) What are the CEOP Requirements for this data type?

More frequent products, multi-scale products, , ,

→ new data set generation

e.g. multi-sensor products with could free, integrated products

Pinker, Menenti, Koike will make a list of new products.

(ii) What is our status in addressing the CEOP Requirements for this data type?

data set archiving stage → cal/val → new data set generation

→ data set application

(iii) What key issues need to be addressed that may prevent achieving success in provision/handling of this data type

Ref. site data set availability

New data set archiving → expansion of cooperative framework  
with space agencies through CEOS

(iv) How can we best coordinate RHP efforts in provision/integration of this data type?

- Get AMMA on board
- Capacity building

(v) What coordination is need within CEOP, GEWEX Panels, other groups to ensure this data type is provided?

- GRP (Radiation, cloud, aerosol, precip.)
- GMPP (LDAS)

(vi) What are the plans over the next 1-3 year period for handling/providing/integrating this data type?

- Within the LIST

2013 GEO WORLD