

# JAXA's Contribution to the SMAP Cal/Val in Cooperation with CEOP, DIAS and GEOSS/AWCI

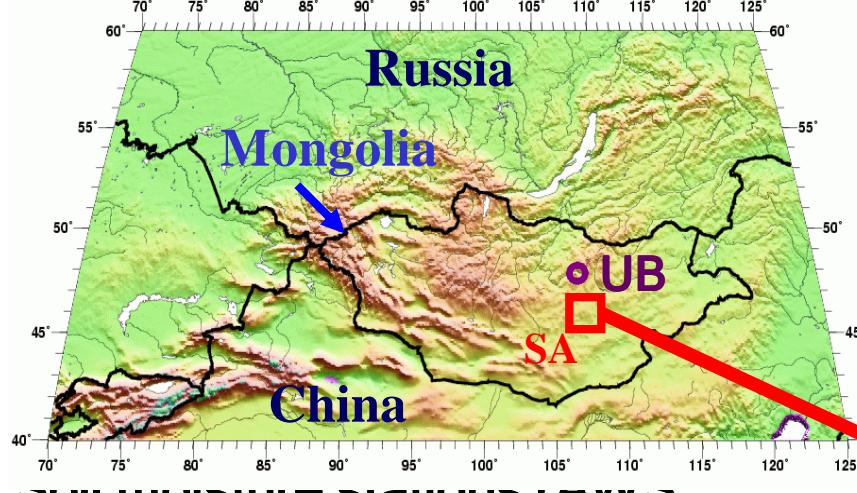
1. **AMSR-E/AMSR2 Validation Sites: Mongolia, Thailand** (*confirmed*)
2. **WCRP/GEWEX/CEOP Reference Sites** (*confirmed*)
3. **GEOSS/Asian Water Cycle Initiative (AWCI)** (*potential*)

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\*1: The University of Tokyo, \*2 Hiroshima University, \*3 JAXA/EORC

# AMSR-E/AMSR2 Validation Sites

## Mongolia



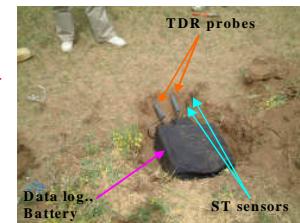
**Spatial moisture status (AWS and ASSH) in the MAVEX<sup>DRS</sup> (Mongol AMSR/AMSR-E/ALOS Validation Experiment) study area as of April., 2008**

( : AWS ( Automatic Weather Station),

: ASSH ( Automatic Station for Soil Hydrology) , SA : Study area of AMPEX/MAVEX, UB: Ulaanbaatar )

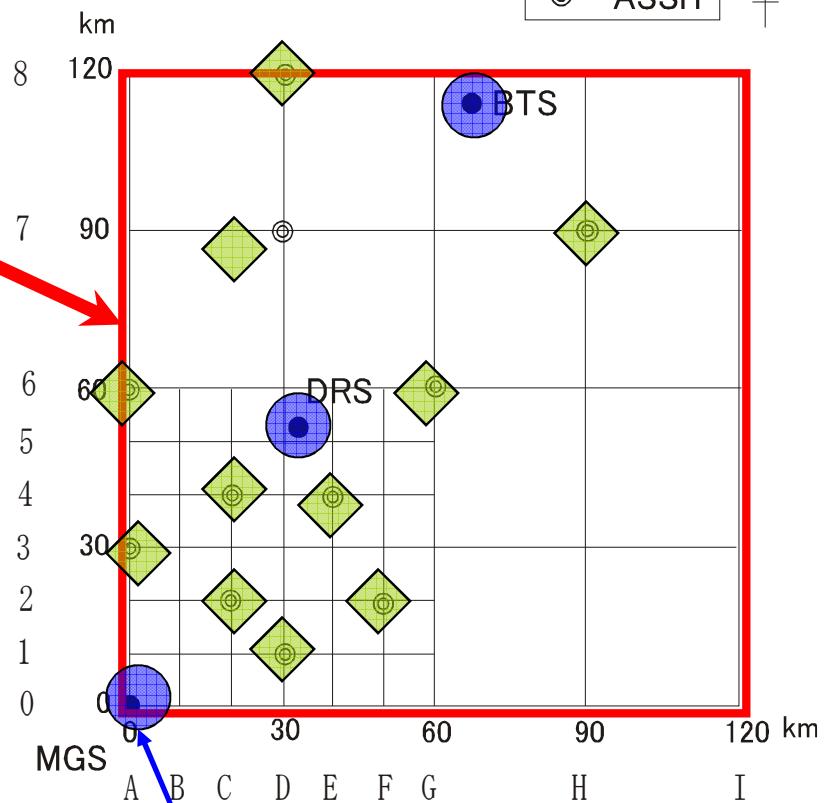


AWS in BTS

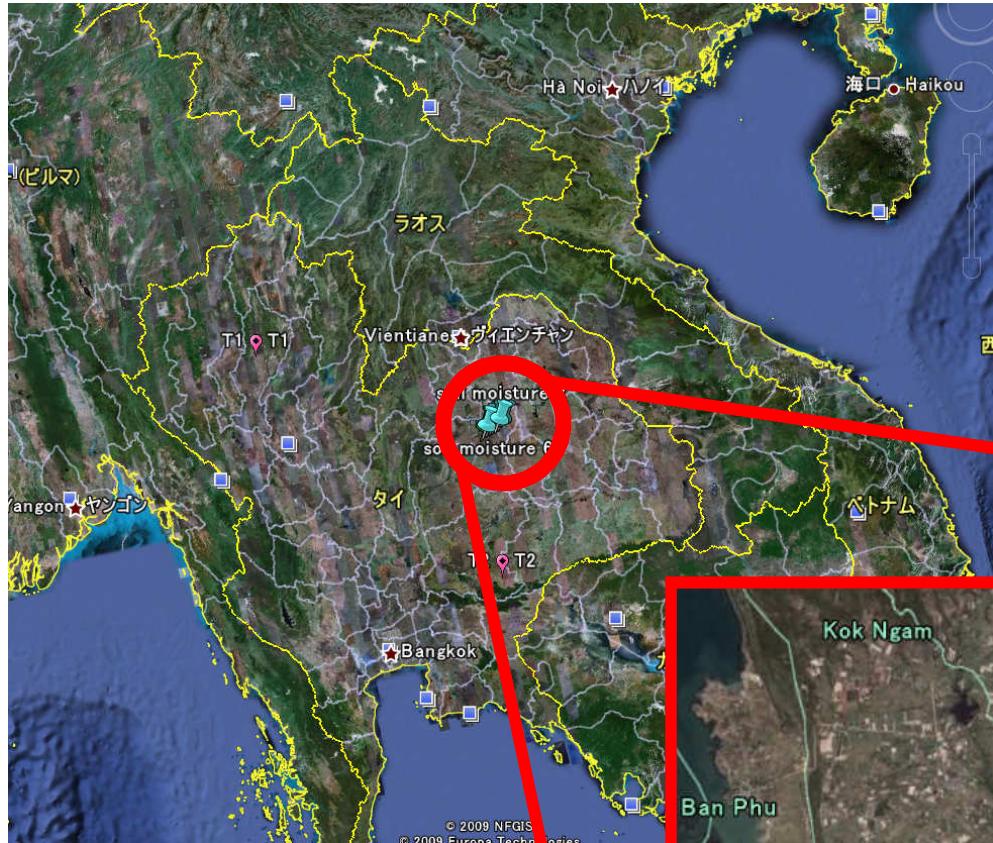


ASSH

- AWS
- ASSH



**MGS(Mandalgobi AWS site,  
Flux-AWS was installed in 2008)**



# AMSR-E/AMSR2 Validation Sites Kohn Kaen, Thailand

in Cooperation with  
Data Integration Analysis System  
(DIAS)

**Field Server**  
+ 3 soil moisture &  
temperature sensors

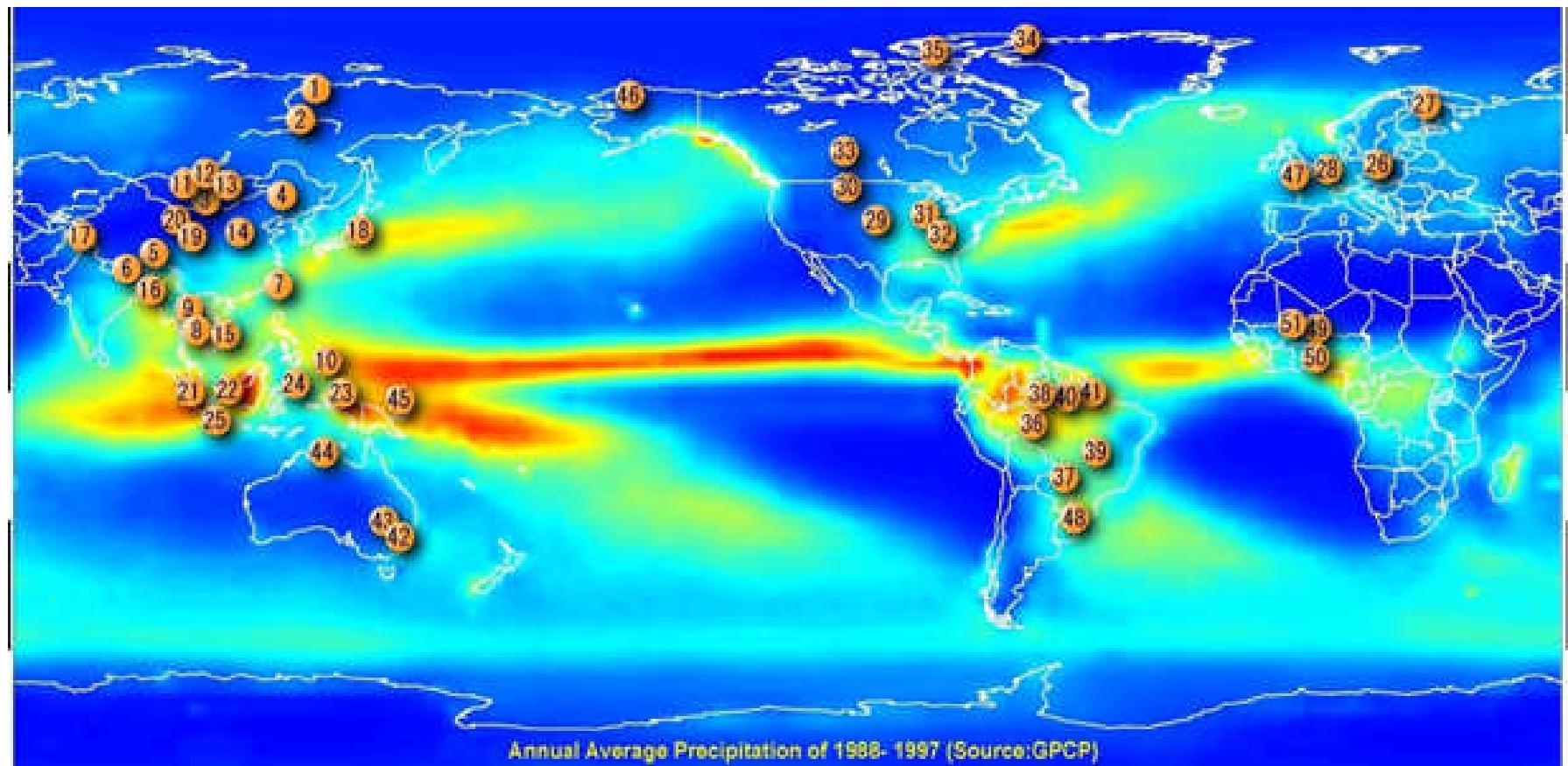
**10km Obs. Line**  
+ 5soil moisture &  
temperature sensors.



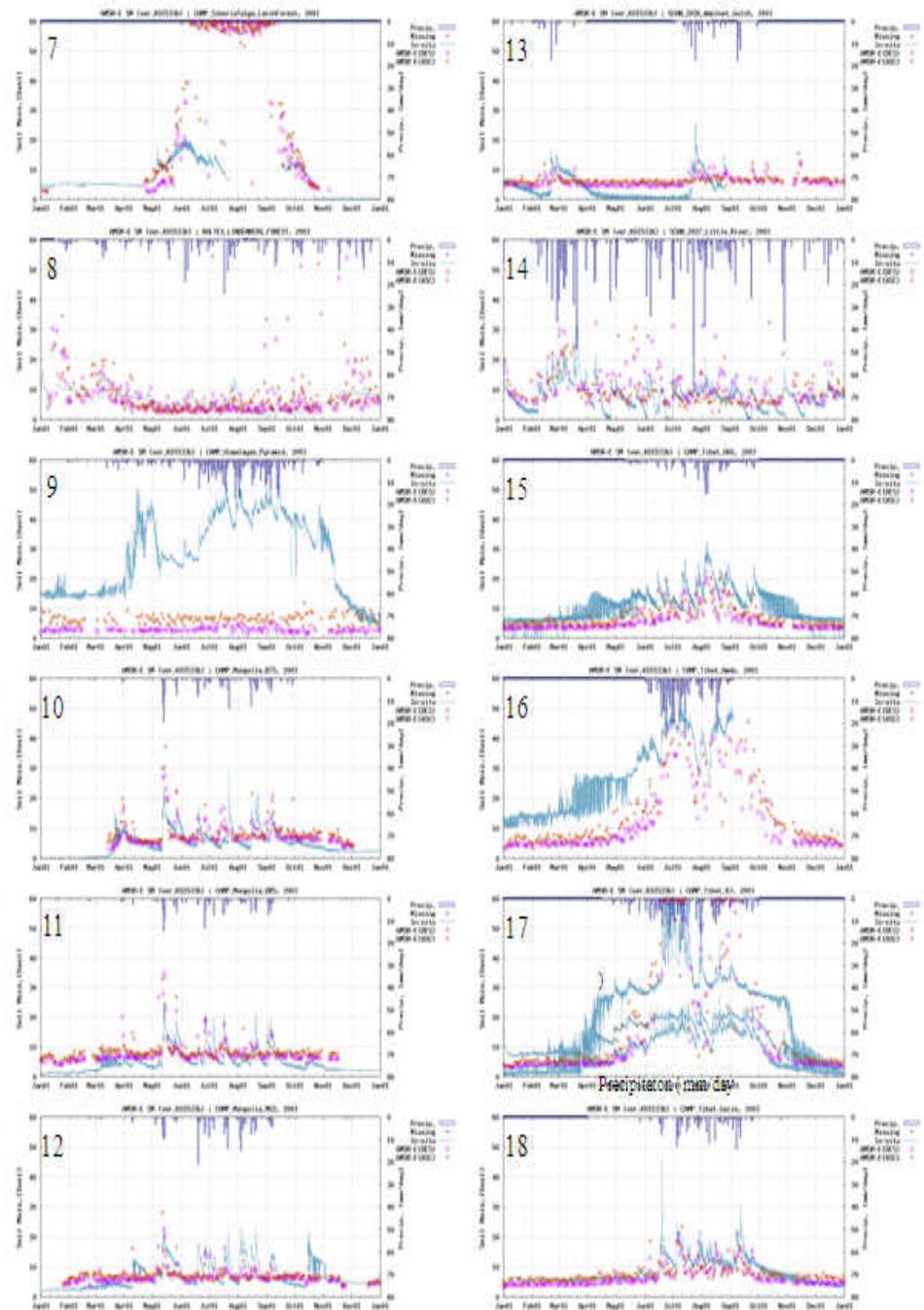
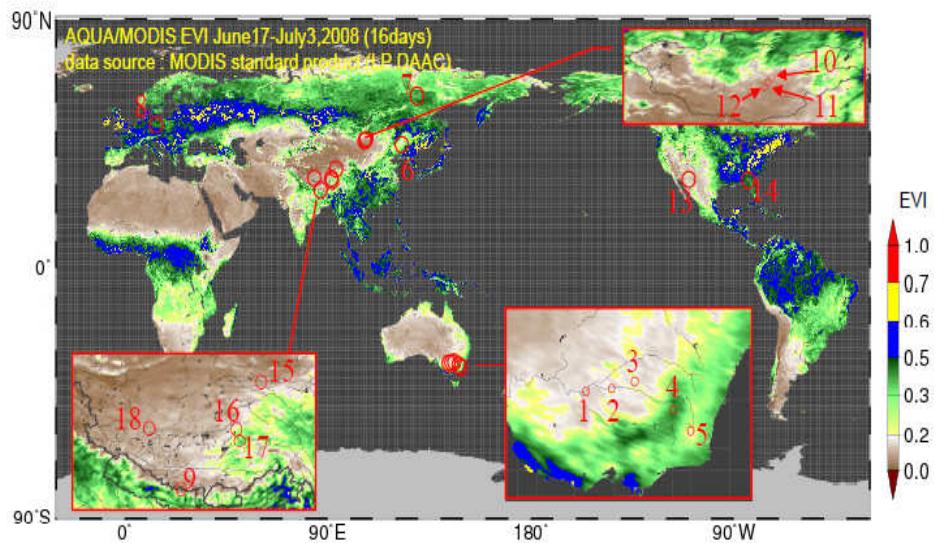


# CEOP Reference Sites (51)

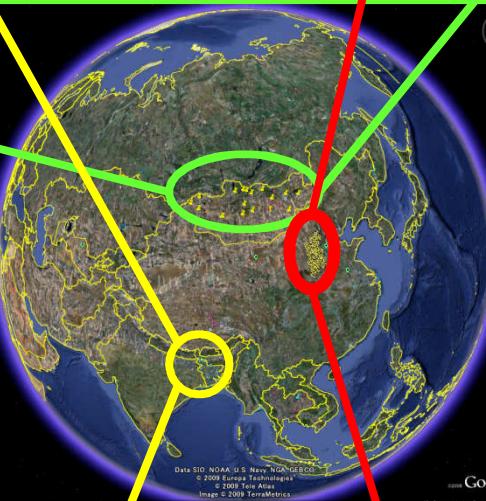
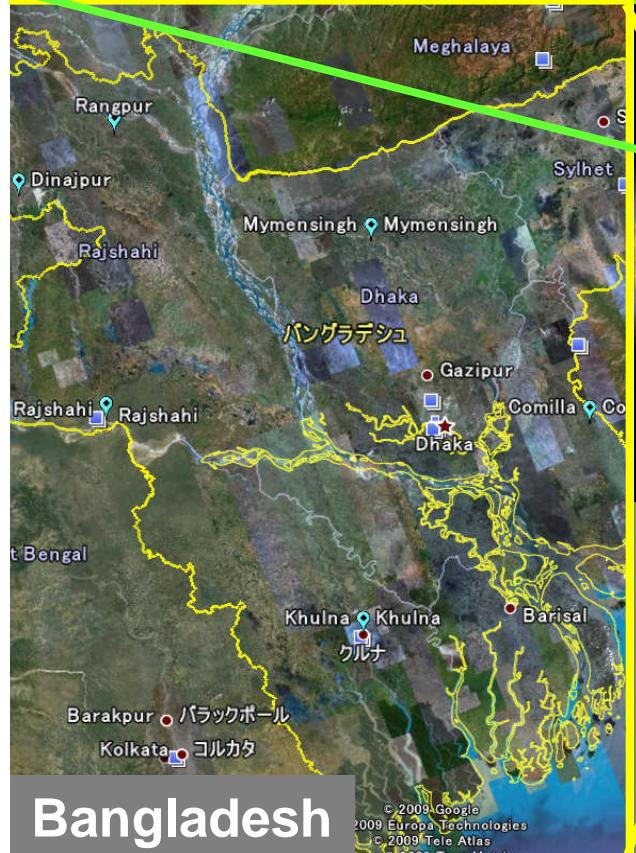
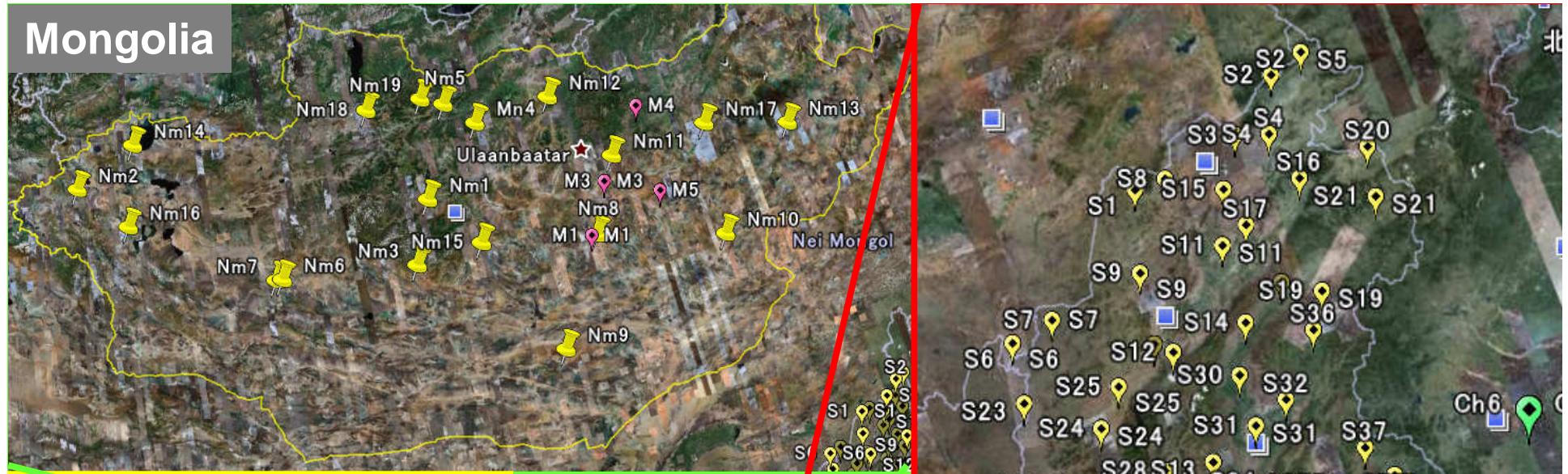
## (Soil Moisture, Atmospheric Forcing, Fluxes, Sonde, MOLTS, Satellites)



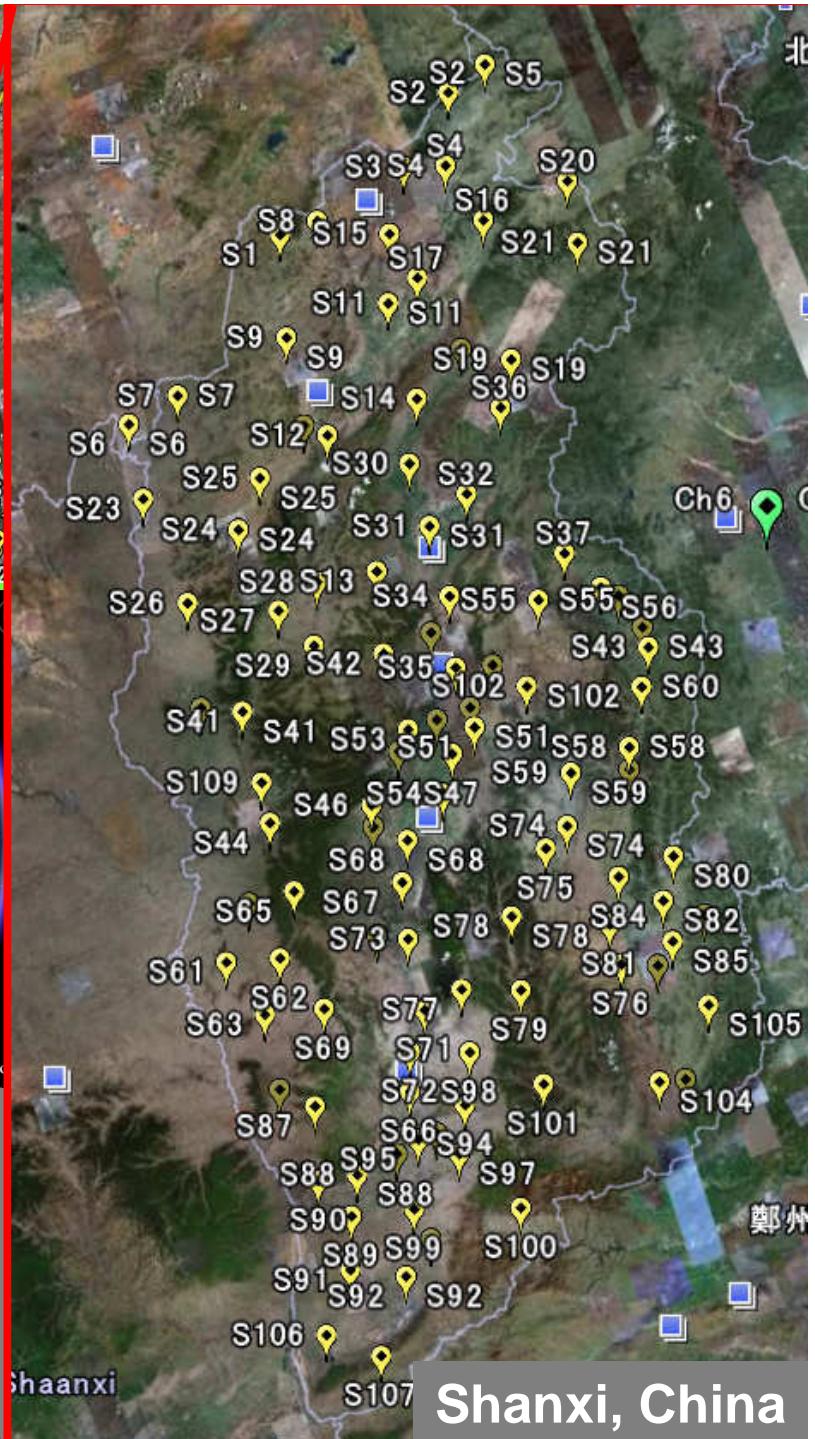
# AMSR-E validation by CEOP (Fujii, Koike, Imaoka, 2009)



Mongolia



## GEOSS Asian Water Cycle Initiative (AWCI)



Bangladesh

Shanxi, China