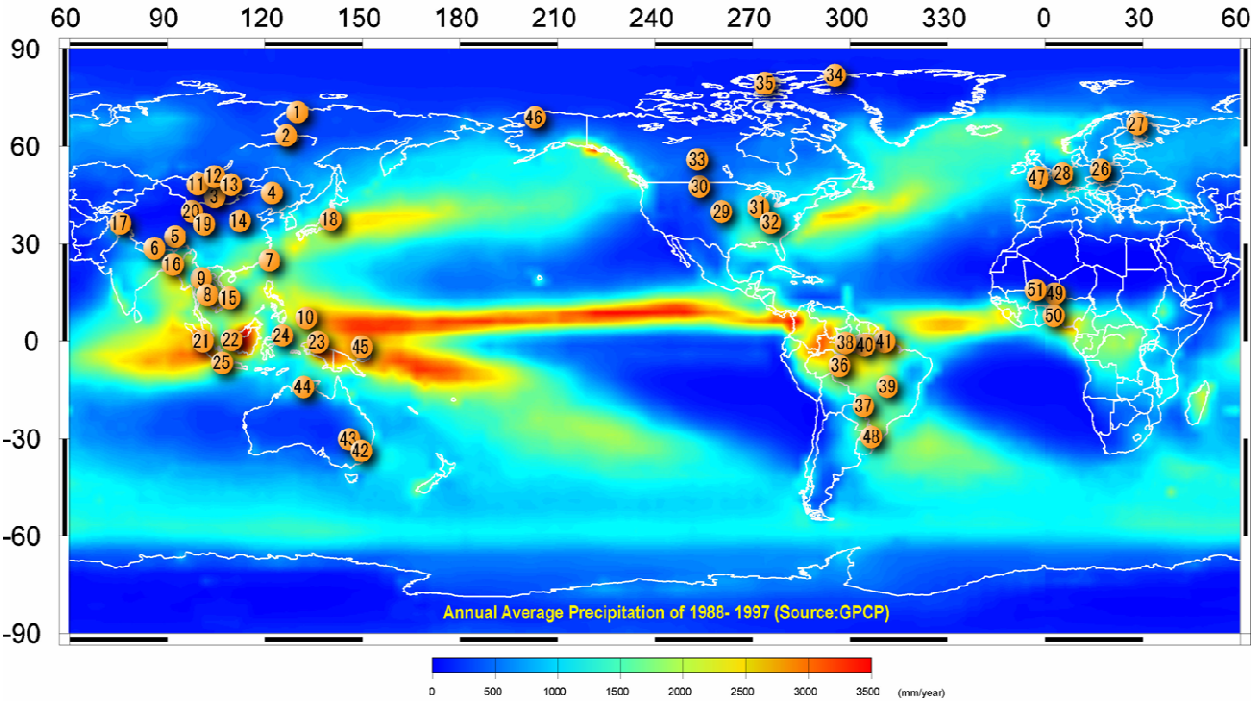
# CEOP Reference Site Map




| CSE/ RHP | Ref # | Ref. Site Name | Latitude | | Longitude | |
|---|---|---|---|---|---|---|
| MAHASRI(CAMP) | 1 | Eastern Siberian Tundra | 71.617 | N | 128.750 | E |
| | 2 | Eastern Siberian Taiga | 62.255 | N | 129.618 | E |
| | 3 | Mongolia | 45.743 | N | 106.264 | E |
| | 4 | Tongyu | 44.416 | N | 122.867 | E |
| | 5 | Tibet | 31.370 | N | 91.900 | E |
| | 6 | Himalayas | 27.959 | N | 86.813 | E |
| | 7 | Northern South China Sea - Southern Japan | 24.967 | N | 121.181 | E |
| | 8 | Chao-Phraya River | 18.400 | N | 99.470 | E |
| | 9 | North-East Thailand | 14.466 | N | 102.379 | E |
| | 10 | Western Pacific Ocean | 7.452 | N | 134.476 | E |
| | 11 | Mongol Arvayheer | 46.246 | N | 102.798 | E |
| | 12 | Mongol Nalaikh | 47.766 | N | 107.336 | E |
| | 13 | Northern Mongolia | 47.213 | N | 108.742 | E |
| | 14 | Downstream of the Yellow River | 36.649 | N | 116.054 | E |
| | 15 | Central Vietnam | 16.033 | N | 109.185 | E |
| | 16 | Northeast Bangladesh | 24.900 | N | 91.893 | E |
| | 17 | Pakistan Karakorum Network | 35.728 | N | 76.286 | E |
| | 18 | Tsukuba | 36.110 | N | 140.100 | E |
| | 19 | Lanzhou | 35.946 | N | 104.137 | E |
| | 20 | Heihe River Basin | 39.500 | N | 100.000 | E |
| | 21 | Western Maritime Continent | 0.200 | S | 100.300 | E |
| | 22 | Central Maritime Continent | 0.000 | S | 109.400 | E |
| | 23 | Eastern Maritime Continent | 1.200 | S | 136.100 | E |
| | 24 | Northern Maritime Continent | 1.500 | N | 124.900 | E |
| | 25 | Southern Maritime Continent | 6.400 | S | 106.700 | E |

| CSE/ RHP | Ref # | Ref. Site Name | Latitude | | Longitude | |
|---|---|---|---|---|---|---|
| BALTEX | 26 | Lindenberg | 52.170 | N | 14.120 | E |
| | 27 | Sodankyla | 67.370 | N | 26.633 | E |
| | 28 | Cabauw | 51.970 | N | 4.930 | E |
| CPPA /GAPP | 29 | ARM/Southern Great Plains | 36.610 | N | 97.490 | W |
| | 30 | Fort Peck | 48.310 | N | 105.100 | W |
| | 31 | Bondville | 40.010 | N | 88.290 | W |
| | 32 | Oak Ridge | 35.960 | N | 84.290 | W |
| CliC | 33 | BERMS (MAGS) | 53.990 | N | 105.120 | W |
| | 34 | Alert, Nunavut | 82.467 | N | 62.500 | W |
| | 35 | Eureka, Nunavut | 79.995 | N | 85.813 | W |
| LBA | 36 | Rondonia | 10.080 | S | 61.930 | W |
| | 37 | Pantanal | 19.560 | S | 57.010 | W |
| | 38 | Manaus | 2.610 | S | 60.210 | W |
| | 39 | Brasilia | 15.930 | S | 47.920 | W |
| | 40 | Santarem | 3.020 | S | 54.970 | W |
| | 41 | Caxiuana | 1.710 | S | 51.510 | W |
| MDB | 42 | Tumbarumba (tower) | 35.660 | S | 148.150 | E |
| | 43 | Murrumbidgee (soil moisture, tempera | 35.115 | S | 146.375 | E |
| Others | 44 | ARM/Tropical West Pacific (Manus) | 2.060 | S | 147.430 | E |
| | 45 | ARM/Tropical West Pacific (Darwin) | 12.430 | S | 130.890 | E |
| | 46 | ARM/Northern Slope of Alaska | 71.320 | N | 156.620 | W |
| | 47 | Chilbolton, UK | 51.150 | N | 1.433 | W |
| LPB | 48 | Cruz Alta | 28.600 | S | 53.400 | W |
| AMMA | 49 | Niamey | 13.530 | N | 2.660 | E |
| | 50 | Ouémé | 9.692 | N | 1.662 | E |
| | 51 | Gourma | 15.300 | N | 1.500 | W |

**Figure 1** CEOP Reference Sites

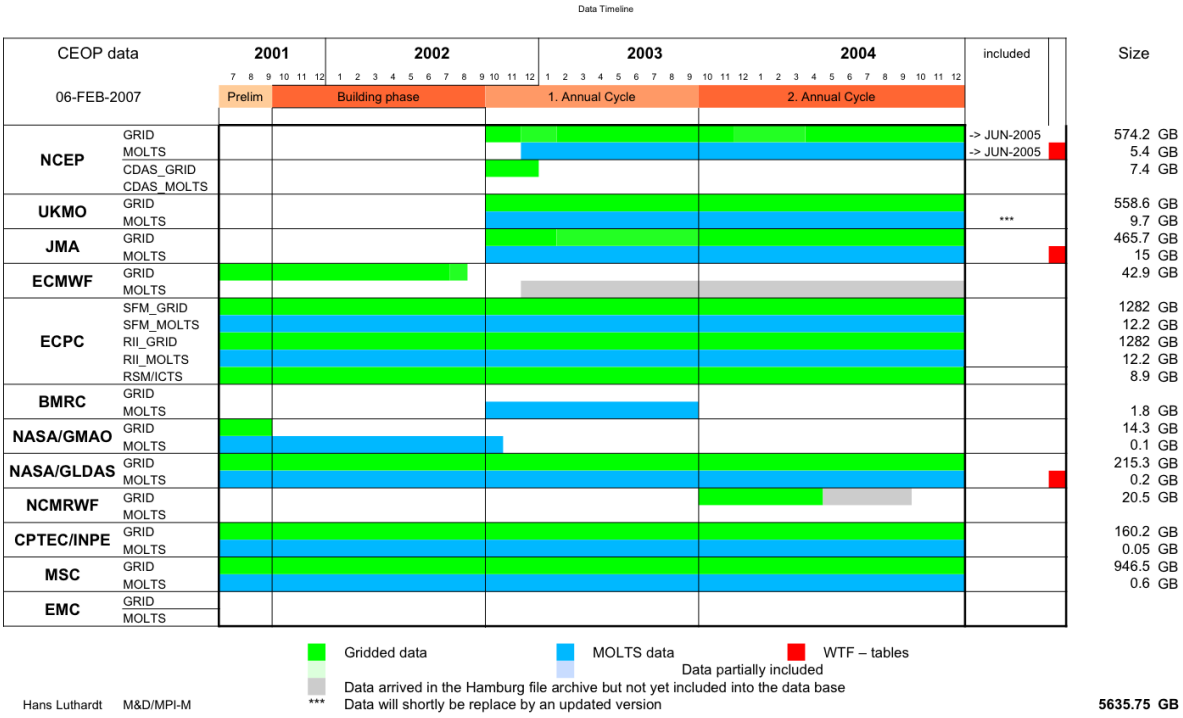



**Figure 2** CEOP Model Archive at MPI

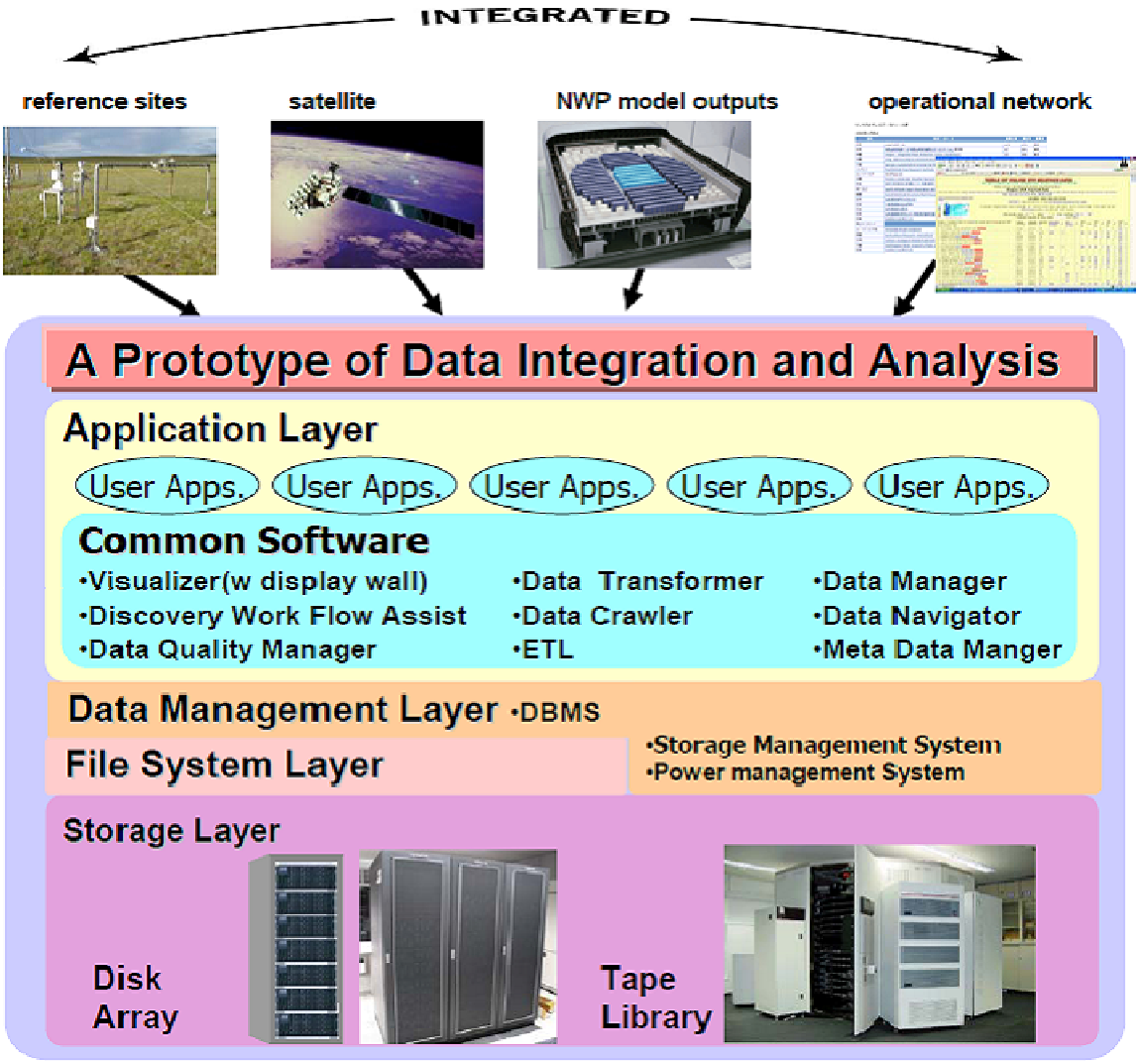



**Figure 3 CEOP's data integration and analysis system**

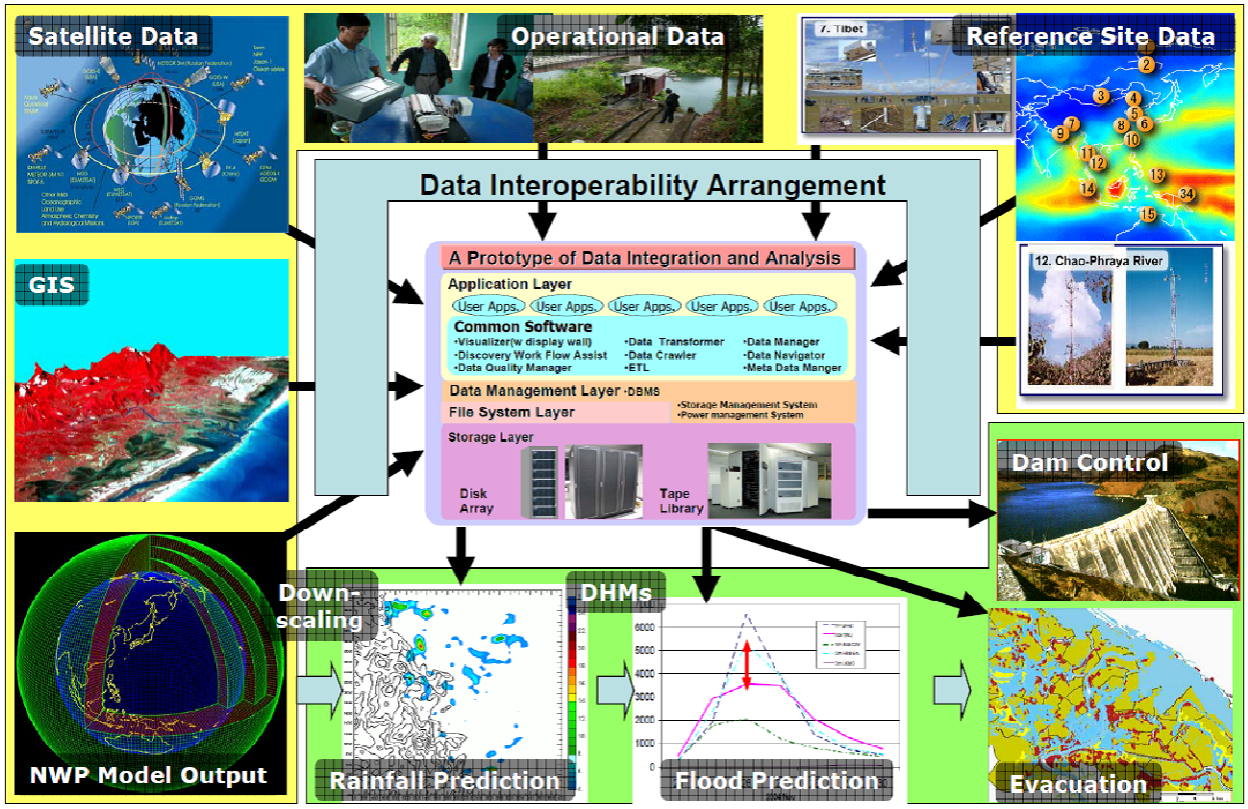



**Figure 4** The architecture of the centralized data archiving and integration system

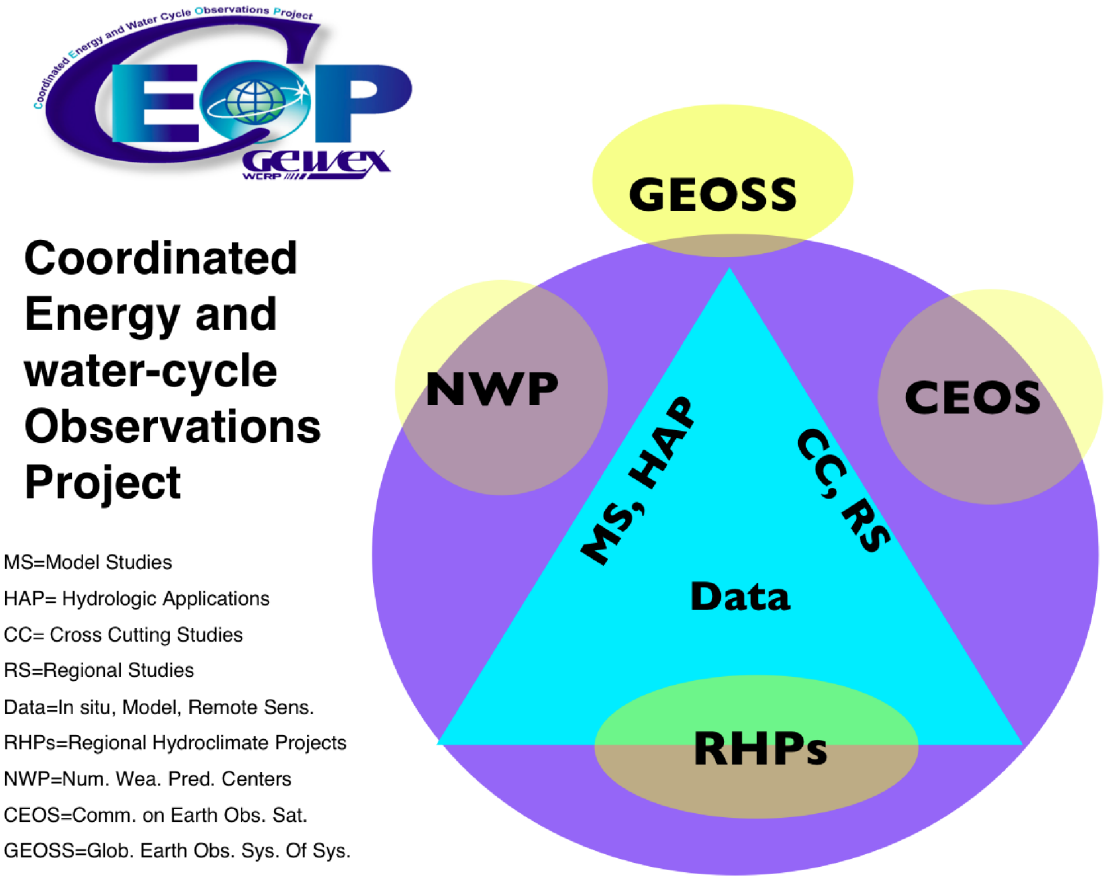



**Figure 5** Overall Structure of the new CEOP project of GEWEX, showing the contributions by the RHPs, RS, MS and HAP, anchored by the Data Management. CEOP depends on community participation from the international NWP centers, Committee on Earth Observations (remote sensing) and intends to make a significant contribution to the evolving implementation of GEOSS