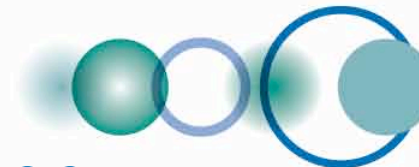


# Implementing Climate Services

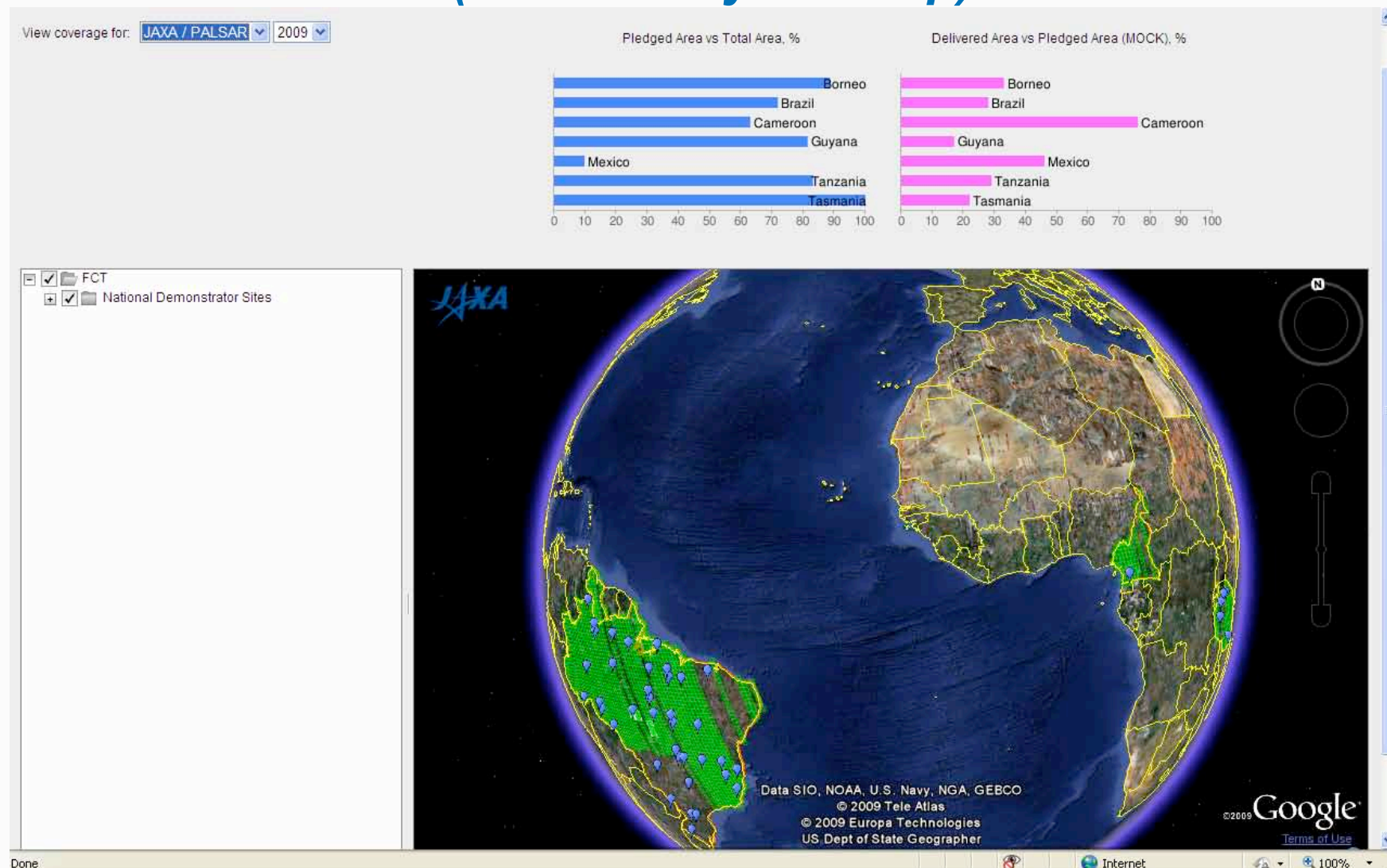
**José Achache**  
**Executive Director**

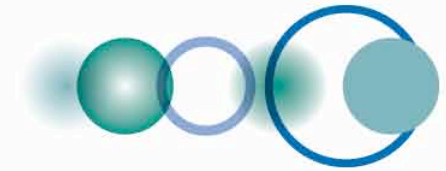




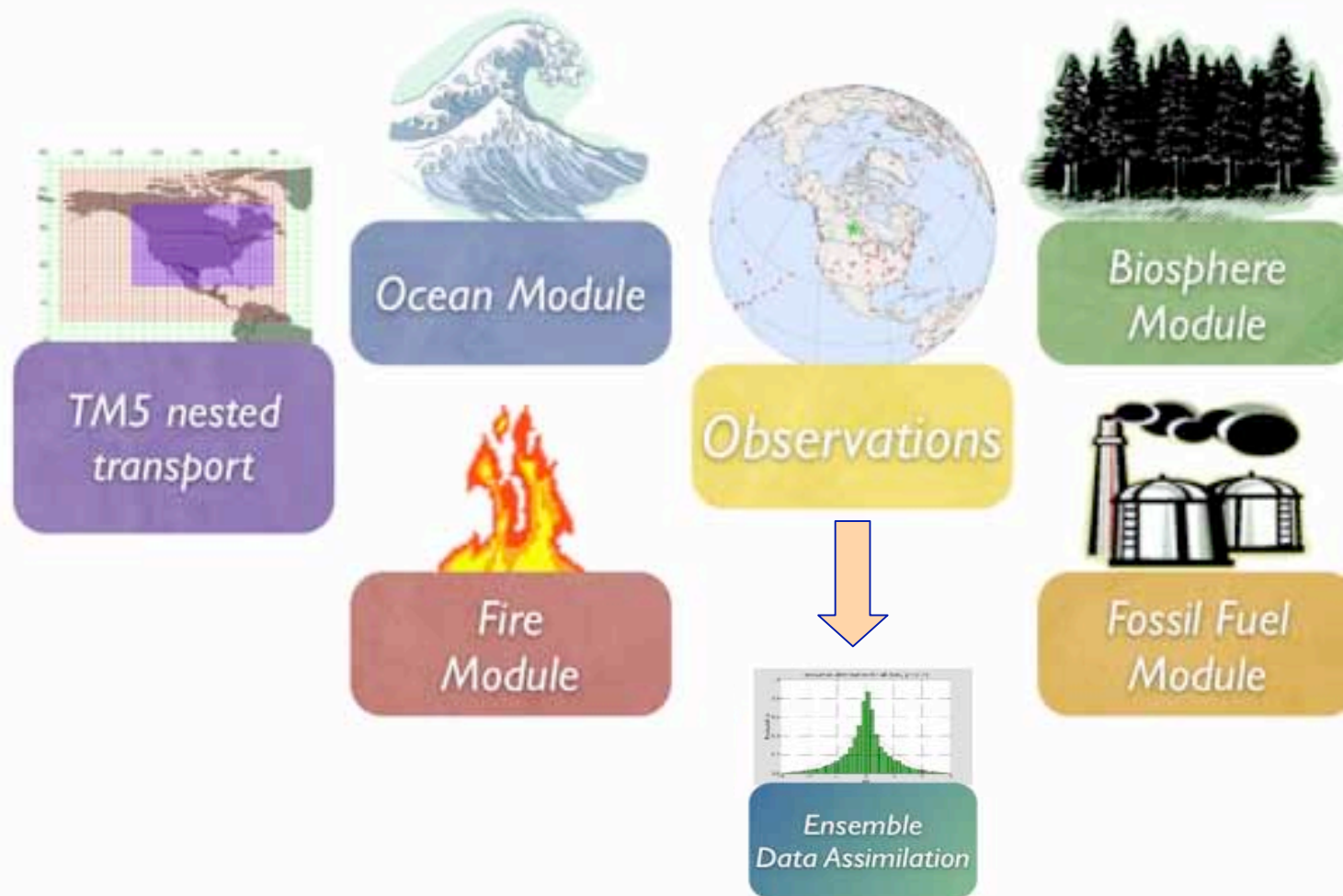
# GEO Forest Carbon Tracking

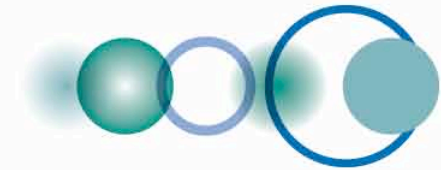
*(Portal Early Mockup)*





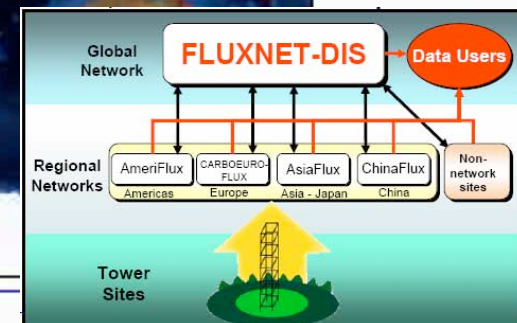
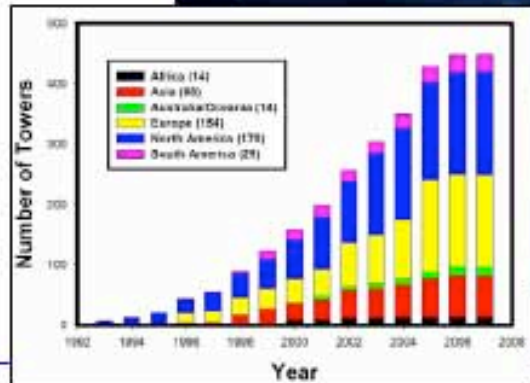
# A global carbon monitoring system

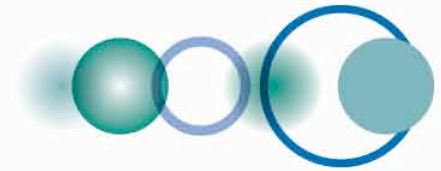




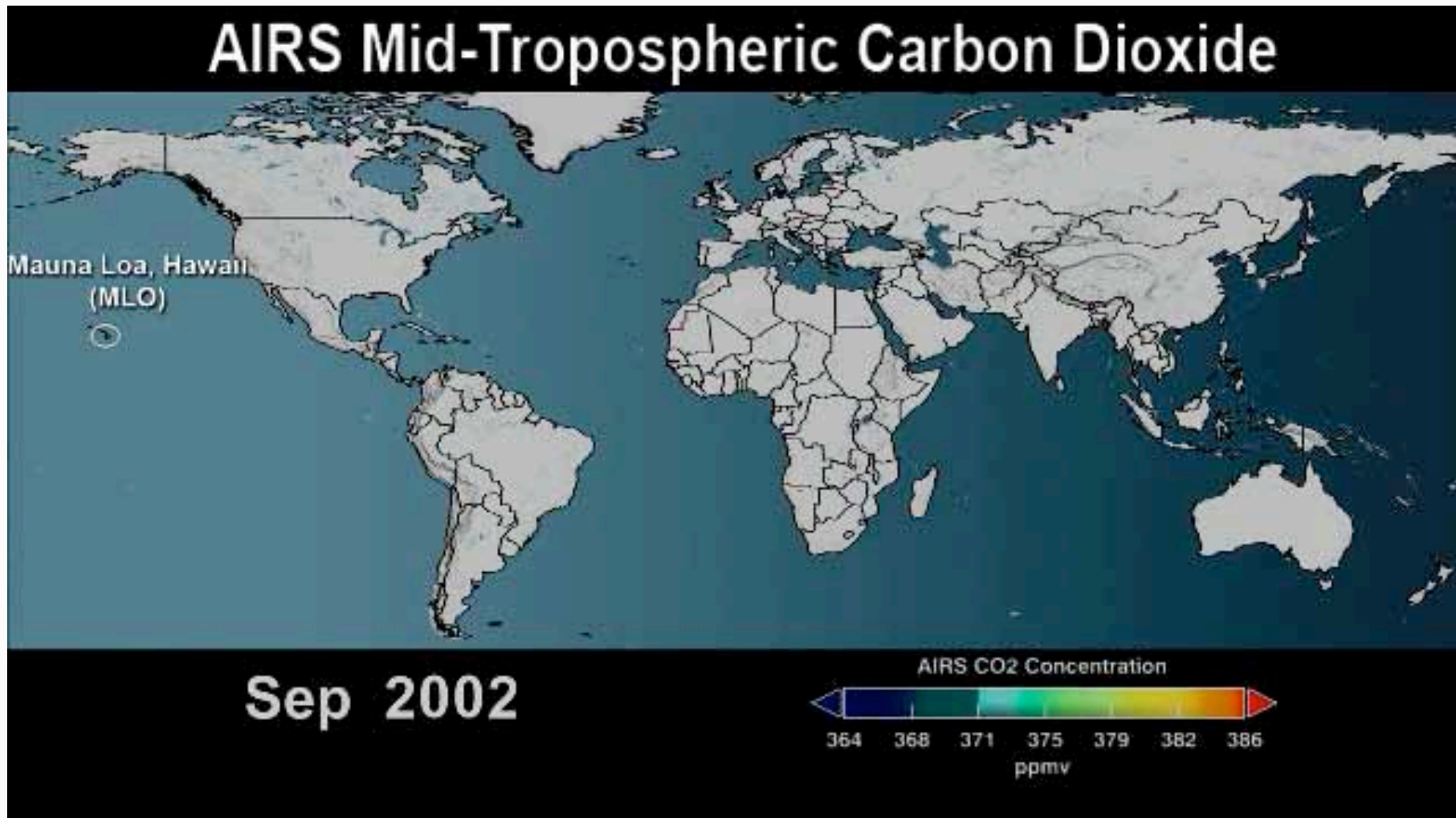
# Fluxnet: A Global Network of Flux Tower Networks

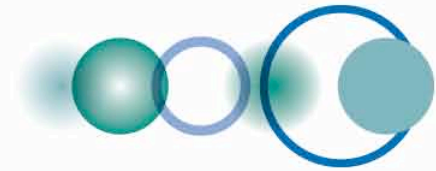
More than 550 towers from >10 regional networks and 46 countries worldwide



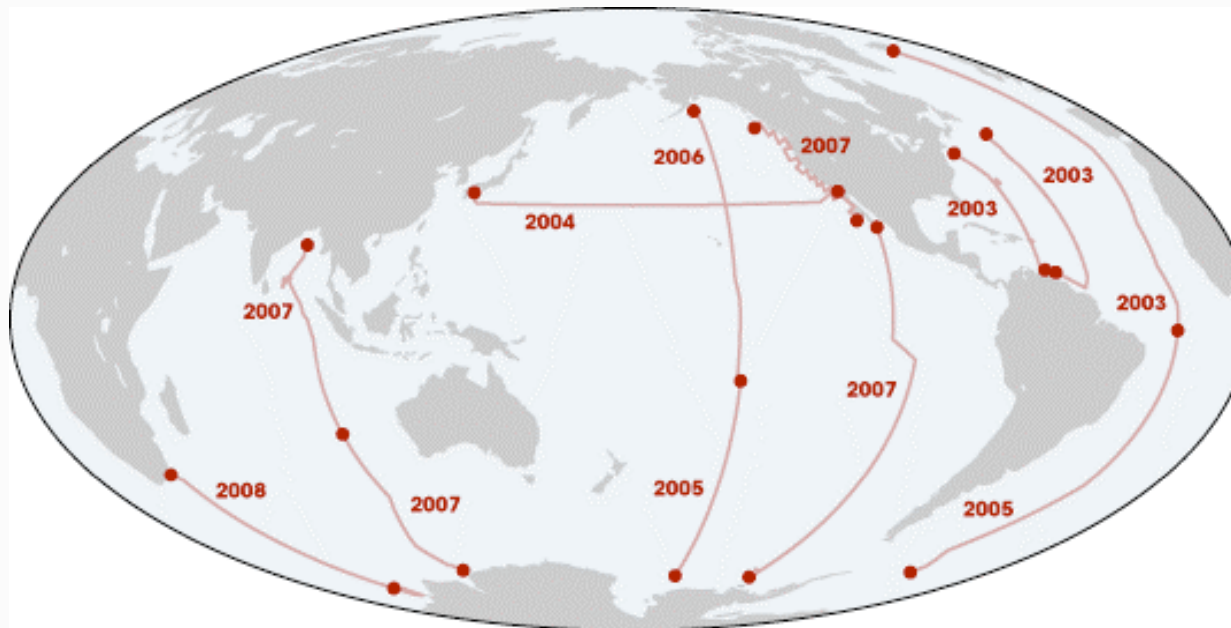


# Space Observations

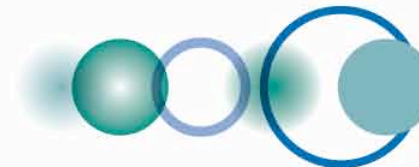




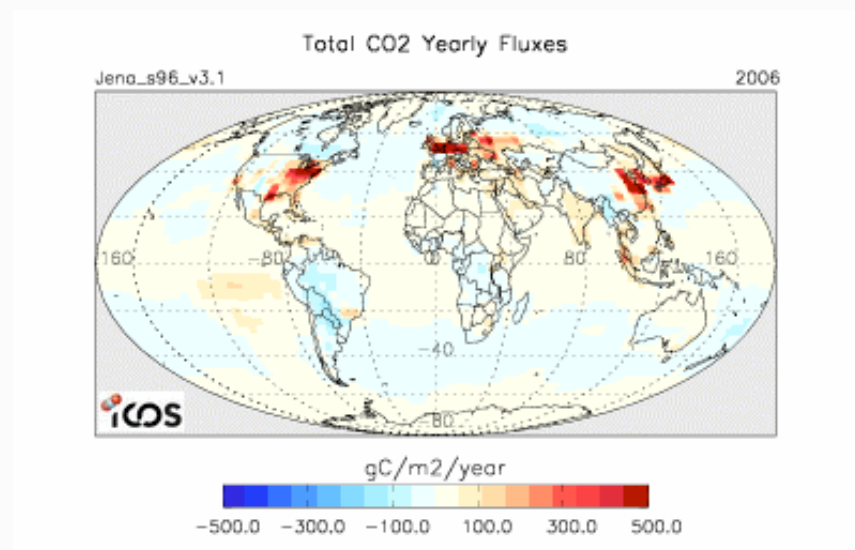
# Ocean Carbon from Research Cruises



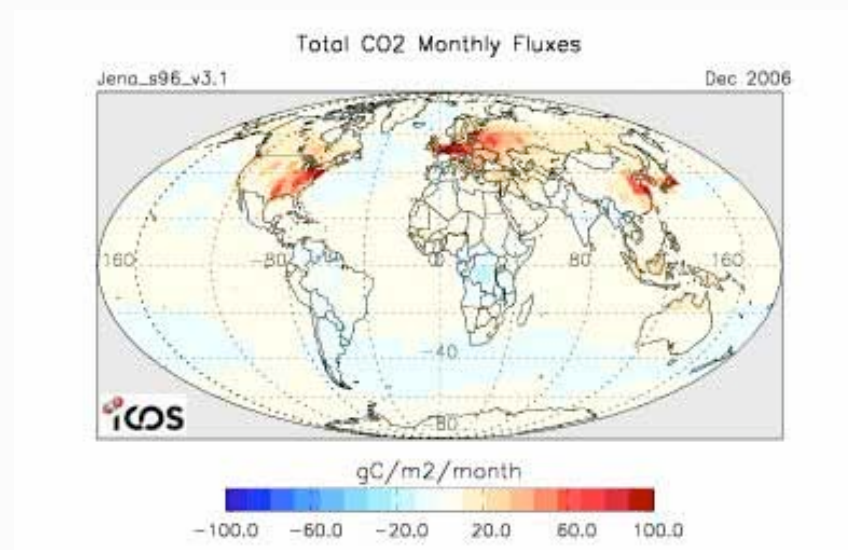
- Measuring carbon dioxide concentrations, ocean temperatures, and winds
- Map shows the paths of research cruises conducted as part of the World Climate Research Programme's (WCRP) Climate Variability and Predictability project

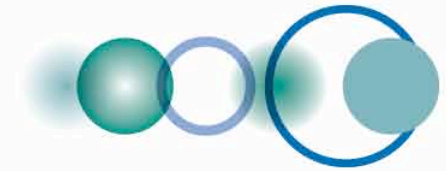


## Yearly fluxes 1996-2006

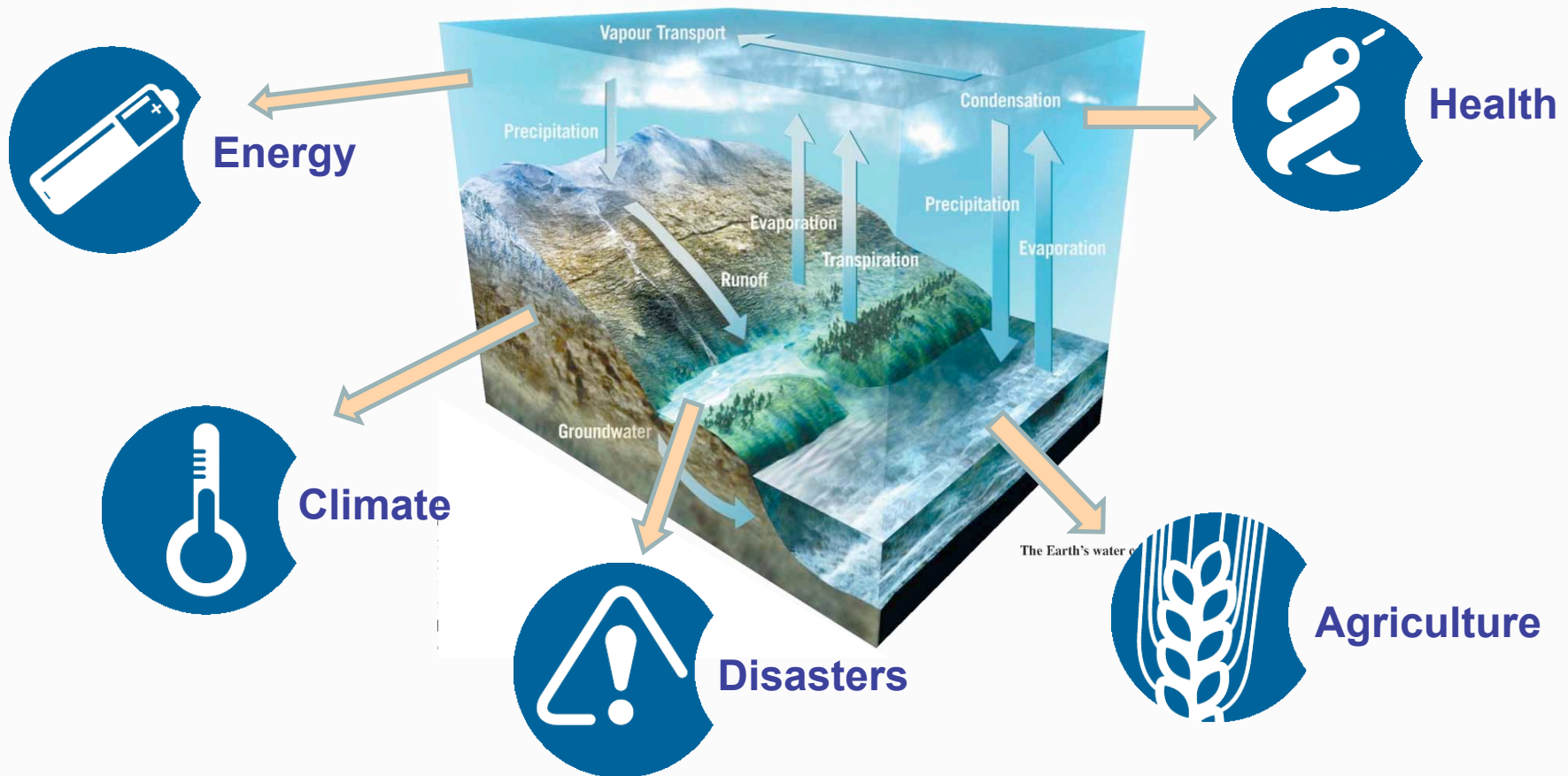


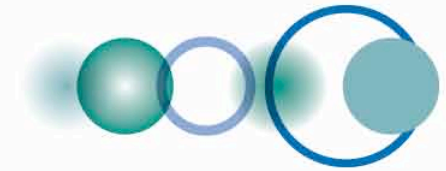
## Monthly fluxes 2006



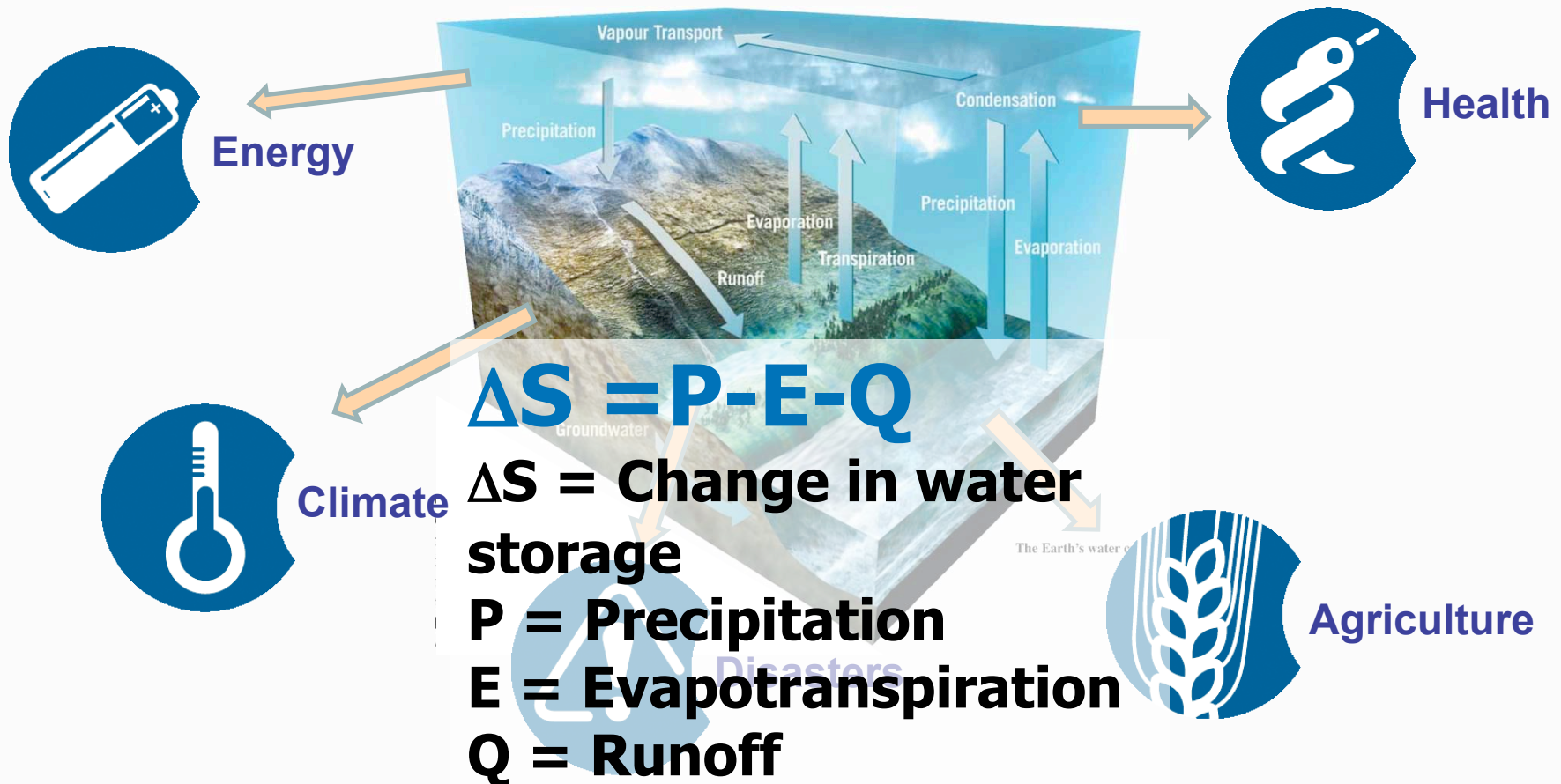


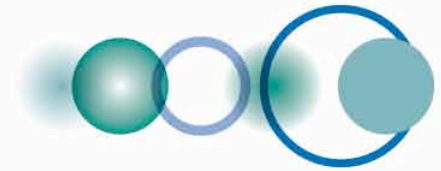
# Integrated Water Cycle Management (WMO, Gewex, France, Japan, ...)





# Estimating Runoff from Space (France, USA, Australia, The Netherlands...)





## THE GLOBAL EARTH OBSERVATION SYSTEM OF SYSTEMS



**Thank you!**

