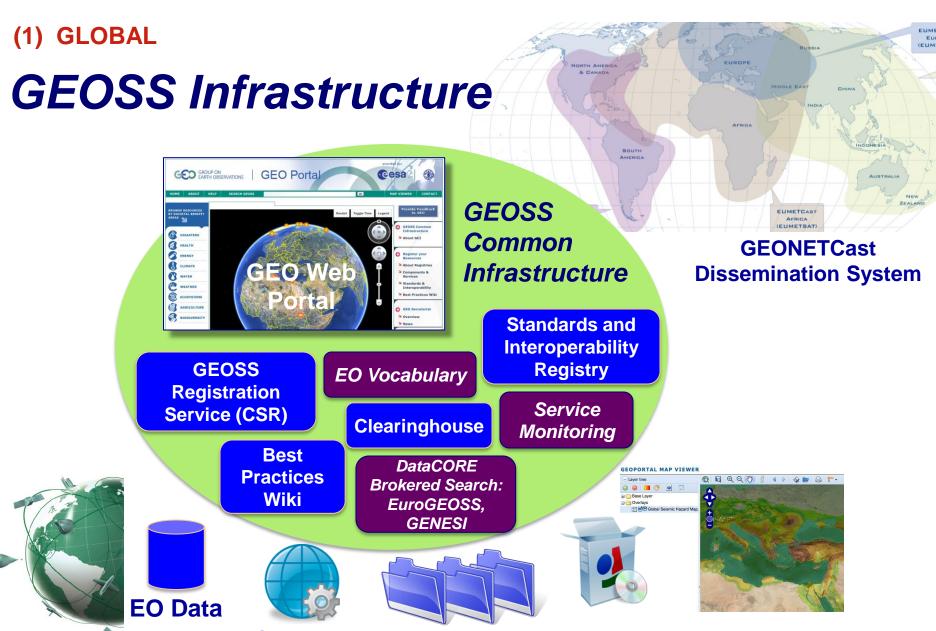


# Global Earth Observation System of Systems – GEOSS

# **Towards a Common Infrastructure?**





Services
Catalog, Access,
Processing

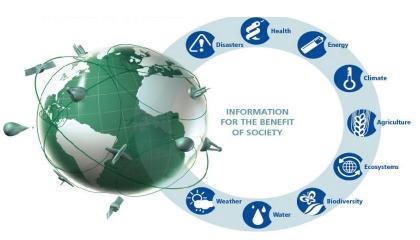
Inventory Access

**Applications**Web and PC



# (2) CROSS-CUTTING

### THE GLOBAL EARTH OBSERVATION SYSTEM OF SYSTEMS



http://www.earthobservations.org

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	GEOSS Design and Interoperability

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ID-02	Developing Institutional and Individual Capacity
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AGRICULTURE

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Oceans and Society: Blue Planet	
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l Integrated Water Information (incl. Floods and Droughts)	
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FCOSYSTEMS	

EC-01 Global Ecosystem Monitoring.....

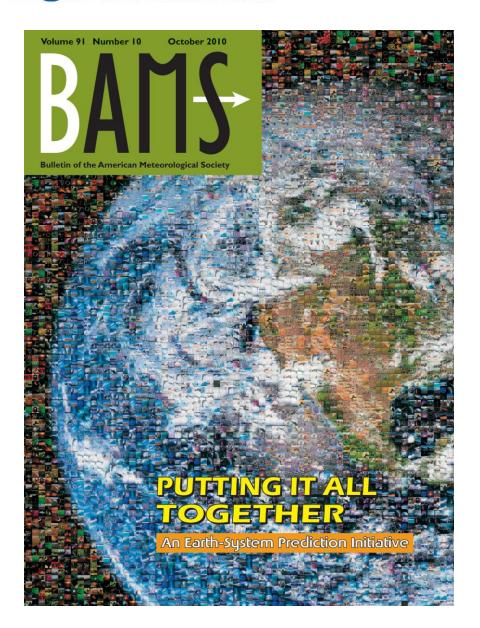
AG-01 Global Agricultural Monitoring and Early Warning.....

Global Biodiversity Observation (GEO BON).....



## (3) USER-DRIVEN





International interdisciplinary efforts for improved prediction, use, and value of weather, climate, and Earth system information

Key Research Infrastructure
High-Performance Computing (HPC)
for high-res assimilation/analysis
(integrating air-ocean-land-ice
observations); and high-res
ensemble (probabilistic) predictions

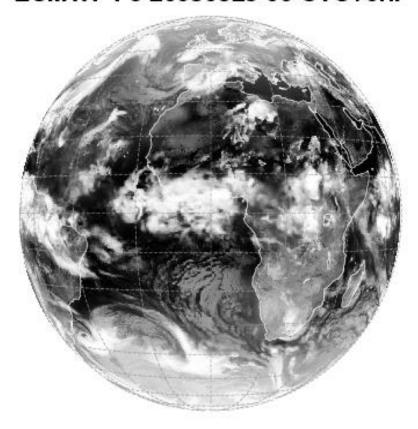


# Weather Prediction (T1279, ~15 km) Compared with Satellite Observations

(courtesy of ECMWF)

Satellite Observations
Meteosat 9 IR10.8 20080525 0 UTC

Numerical Forecast ECMWF Fc 20080525 00 UTC+0h:







http://www.earthobservations.org