

Water Cycle Capacity-Building Workshop Cartagena, Colombia. Nov 28 - Dec 2, 2011



Centre of Hydrologic and Spatial Information for Latin America and the Caribbean (CIEHLYC)



Who we are:

- ▶ A group of water and remote sensing experts from governments and academia; a non-profit, international network, **formed** to support the objectives of GEOSS and its Water Societal Benefit Area.
- ▶ A program framework for coordinating GEO-related capacity building activities in Latin America and the Caribbean.

Earth Observation Partnership of the Americas



Key Objectives of the workshop:

- ▶ Make current and future USA **data more readily available** to the countries of North, Central, and South America and the Caribbean in real-time whenever possible.
- ▶ Encourage **ready access and exchange** of Earth observation data.
- ▶ Provide high quality up-to-date **information** on current and future Earth observation system planning and implementation.

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- ▶ **Organizers:** CIEHLYC, GEO Secretariat , CPTEC (Brasil), CIREN (Chile), Naval Academy (Colombia), UMBC, UMCP.
- ▶ **Fresh Water Component:**
 - Floods, Early warning systems – drought,
 - Climate change impacts specific to glaciers ,
 - Climate change and crop's adaptation,
 - Weather observations and climate monitoring systems ,
 - Interdisciplinary observing systems
 - Water Pollution.

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▶ Ocean Component:

- Early warning systems: Harmful Algal blooms (HABs),
- Coral reef protection ,
- Rivers to Reefs connections,
- Assessment of ecosystems through ocean mapping ,
- Database and information systems to evaluate fisheries migration in the context of ocean temperature increase,
- Capacity building in image classification and interpretation targeting HABs and ocean temperature,
- Interdisciplinary observing systems