



The Global Terrestrial Network – Hydrology (GTN-H)

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Established in 2001, GTN-H is a federated network of major global data centres, linking at global scale water-related observations in support of scientific advance and operational applications with regard to climate variability and change as well as water resources assessment and management.

The GTN-H is a joint project of the World Meteorological Organization / Climate and Water Department and the Global Climate Observing System (GCOS). GTN-H likewise represents the observational arm of the Group on Earth Observations / Integrated Global Water Cycle Observations Community of Practice (GEO/IGWCO-CoP).

Through its federated network of collaborating global data centres, GTN-H provides premier access to data and information including – inter alia – runoff, lakes and reservoirs, precipitation, groundwater, soil moisture, and water quality. GTN-H supports the development of integrated products to enhance the value of data through integration and facilitating solutions to complex science and applications products.

GTN-H thus underpins the generation of datasets from Essential Climate and Water Variables suitable for:

1. Research in the areas of global and regional climate change
2. Environmental Monitoring
3. Hydrology and water resource management

GTN-H is active to support current and emerging technologies and standards, best practices and available infrastructure and develops global and regional data products.

A list of the GTN-H network members can be found at www.gtn-h.info.