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.


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.