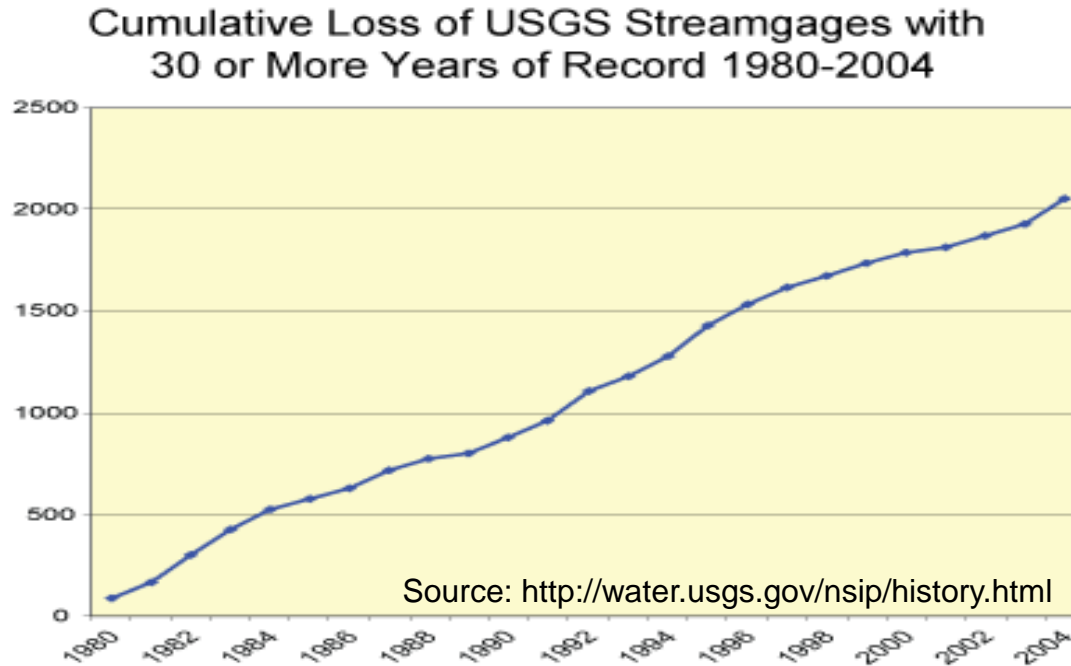


# GRDC: Data acquisition



- Governed by WMO Resolutions on free and unrestricted exchange of hydro-meteorological data and support to the GRDC
- Opportunity driven
  - Maintenance of contacts with the National Hydrological Services and other data providers and especially with the people within the organisations
- Downloads form Internet websites
  - Only a limited number of countries
  - Labour intensive process
- No formalised processes
  - Cooperation and resolutions are not legally binding
  - Dependent on good will and voluntary cooperation
- Different formats and standards
  - Labour intensive to incorporate data into database and ensure data quality

- Outdated information on database
- Declining Hydrological Networks – example USGS



From 1980 to 2004, 2051 stream gauges with 30 or more years of stream flow record were discontinued.

At the end of 2005, 7360 stations were active

# GRDC Main functions



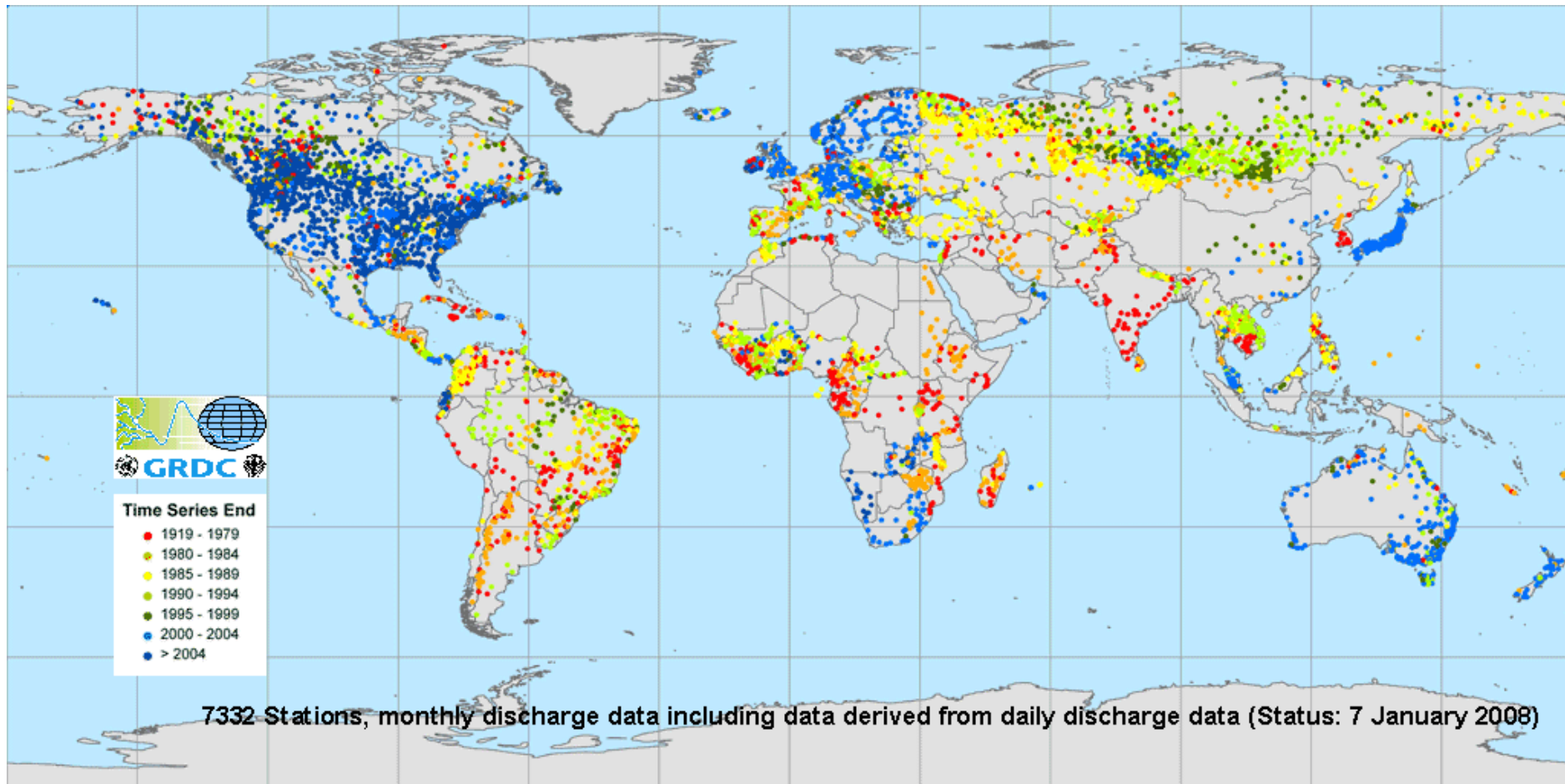
- Acquisition and storage of global historical and near real-time discharge data and associated metadata
- Dissemination of currently mainly historical discharge data and derived products from more than 7300 stations in 156 countries (“One-stop shop”)
- Support to the water and climate related programmes and projects of the United Nations and their specialised agencies
- Service to the international research community on global change
- Cooperation and participation in international projects and programmes such as:
  - GCOS (Global Climate Observing System)
  - GTOS (Global Terrestrial Observing System)
  - GEO (Group on Earth Observations)

The GRDC is **not** substituting the functions of the National Hydrological Services  
Ownership of the data remains with the original Data Provider

# GRDC: Current stations in historical database indicated by **time series end**



(monthly discharge data including data derived from daily discharge data)



Thank you for your attention:

Please visit GRDC at  
<http://grdc.bafg.de>

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