



Global Runoff Data Centre (GRDC)

Current and Future Data and Information Needs

WMO RA VI Hydrology Forum
8 – 10 May 2012
Koblenz, Germany

GRDC
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GRDC

... the world-wide repository for river discharge data
and associated metadata

...in support of Global Change Research and
Integrated Water Resources Management.

Operates under the auspices of the
World Meteorological Organisation (WMO)



on the advice of an
International Steering Committee

with the financial support of the
Federal Republic of Germany



within the
Federal Institute of Hydrology



Mandate

The GRDC is mandated amongst others by:

WMO Resolution 21 (Cg-XII, 1995)

...support to Global Runoff Data Centre

WMO Resolution 25 (Cg-XIII, 1999)

...free and unrestricted exchange of hydrological data and products

WMO Congress XVI (2011)

- decides to keep Resolution 21 in force
- urges Member States to comply with Resolution 25

GRDC Data Users

The GRDC supports the climate-related programmes and projects of the United Nations and their special organisations such as the:

- Implementation Plan for the Global Observing System for Climate in Support of the UNFCCC (GCOS-IP)
- Global Terrestrial Network for Hydrology (GTN-H)
- GCOS (Global Climate Observing System)
- GTOS (Global Terrestrial Observing System)
- GEO (Group on Earth Observations)
- GEWEX (Global Energy and Water Cycle Experiment)
- GRDC – GEMS/Water products on chemical loads
- GRDC Freshwater Surface Water Flux products...

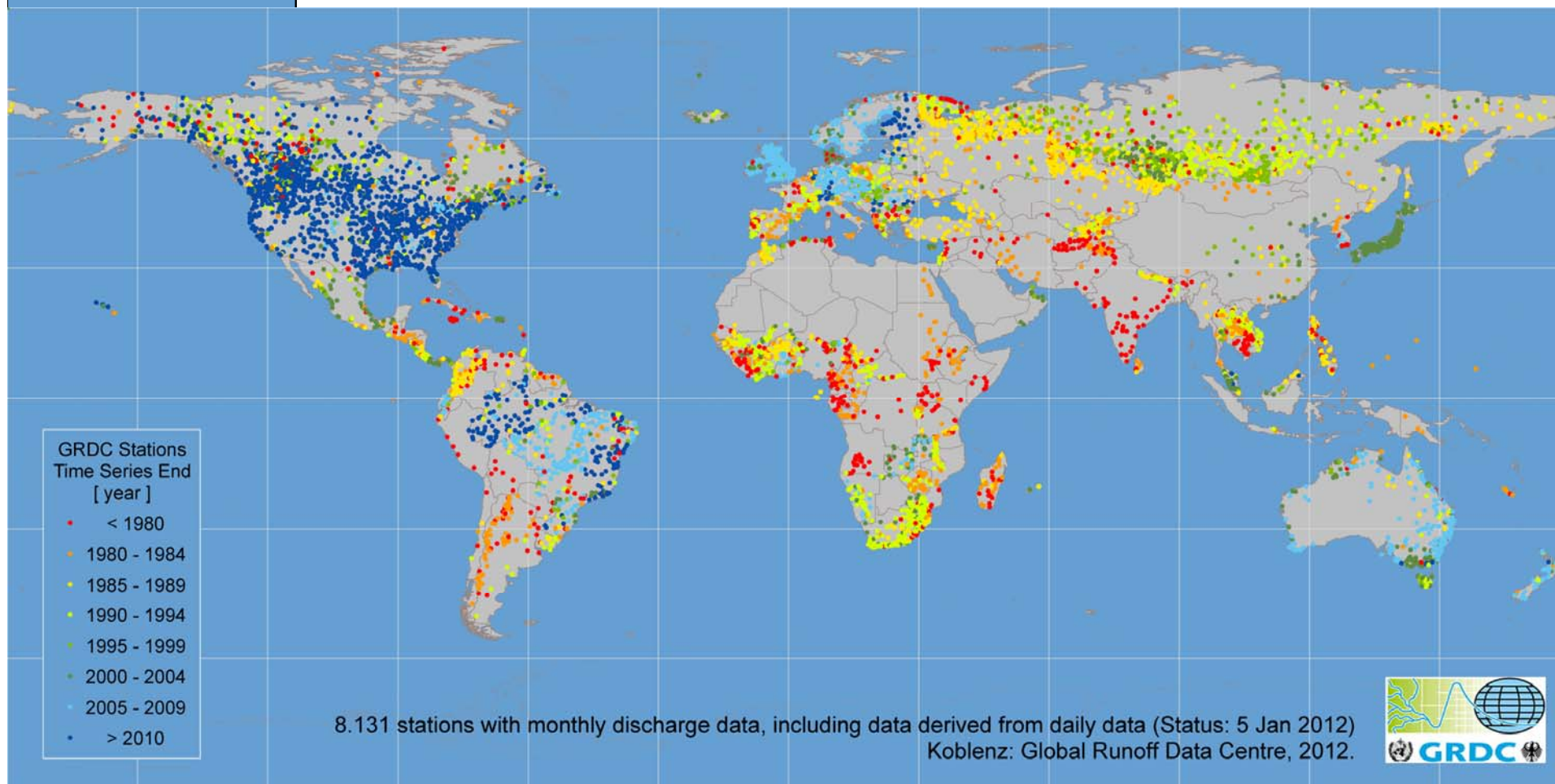
And the international scientific community on:

- global change
- Climate and hydrological modelling
- research and assessment



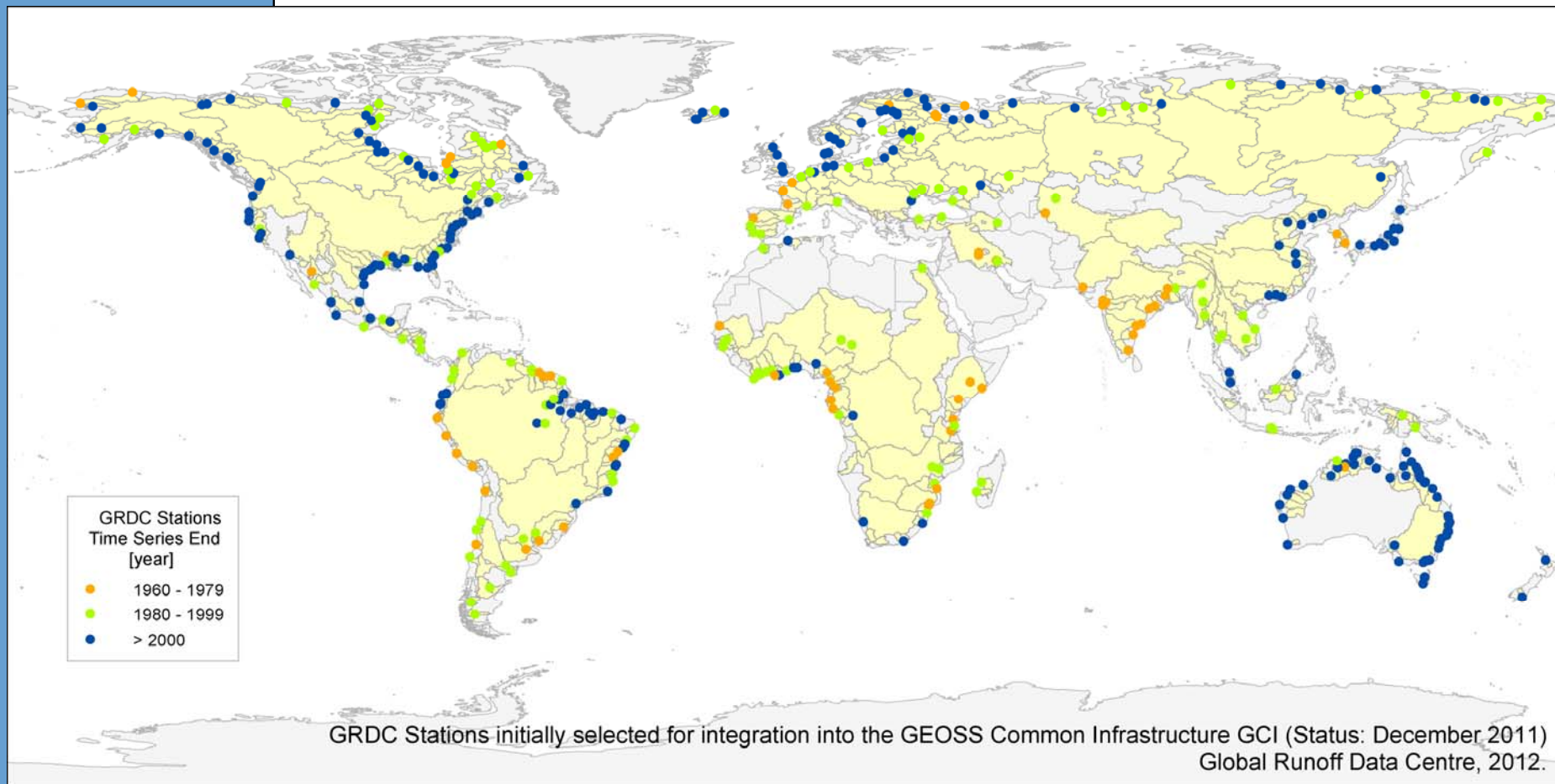
GRDC Main Database

regular updates of relevant historical discharge data required



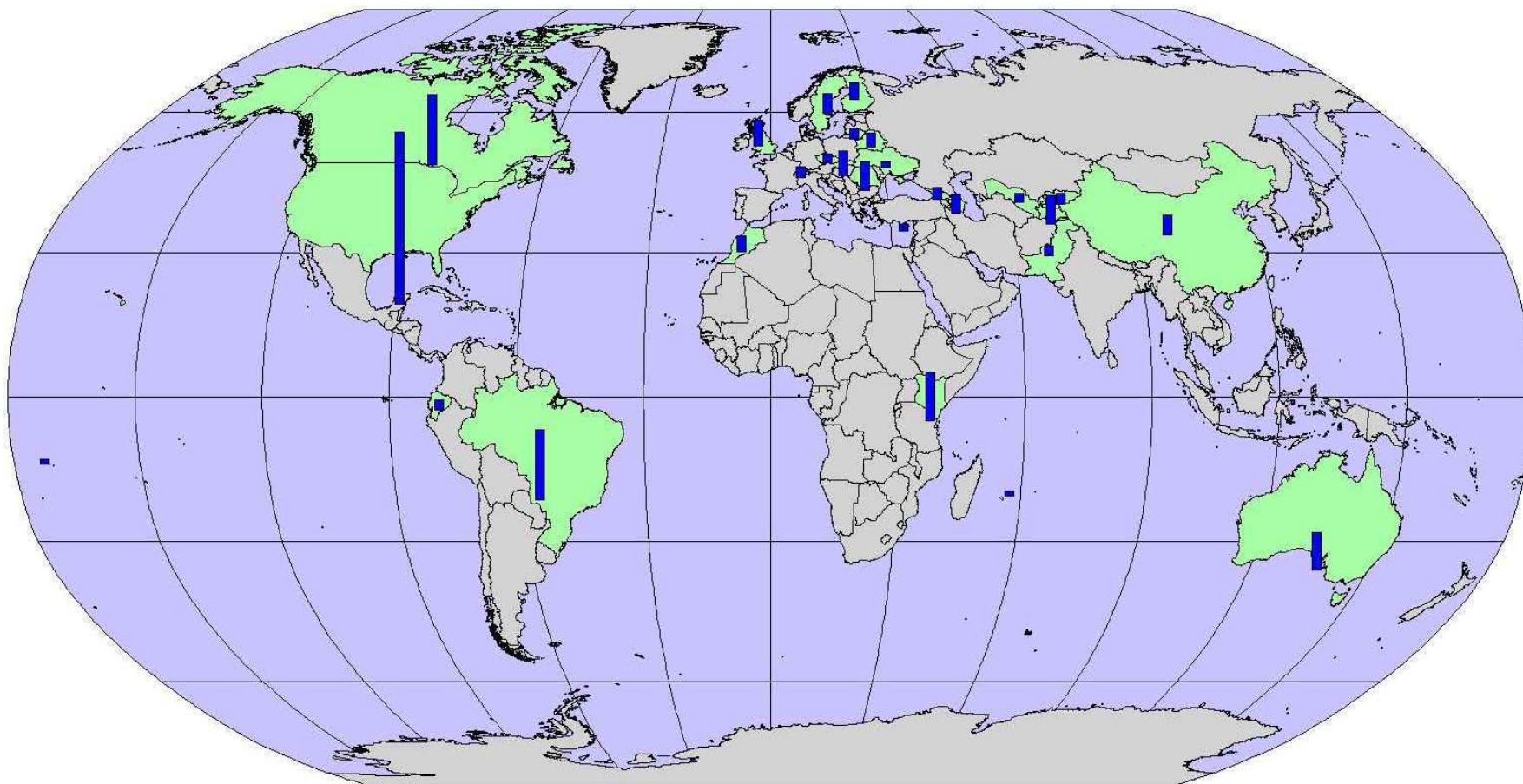


GRDC Station Selection for the Global Terrestrial Network for River Discharge (GTN-R) and Integration into the GEOSS Common Infrastructure GCI



Climate Sensitive Stations (Pristine Basins and/or Reference Stations)

Countries that have reported climate sensitive stations to WMO and or GRDC

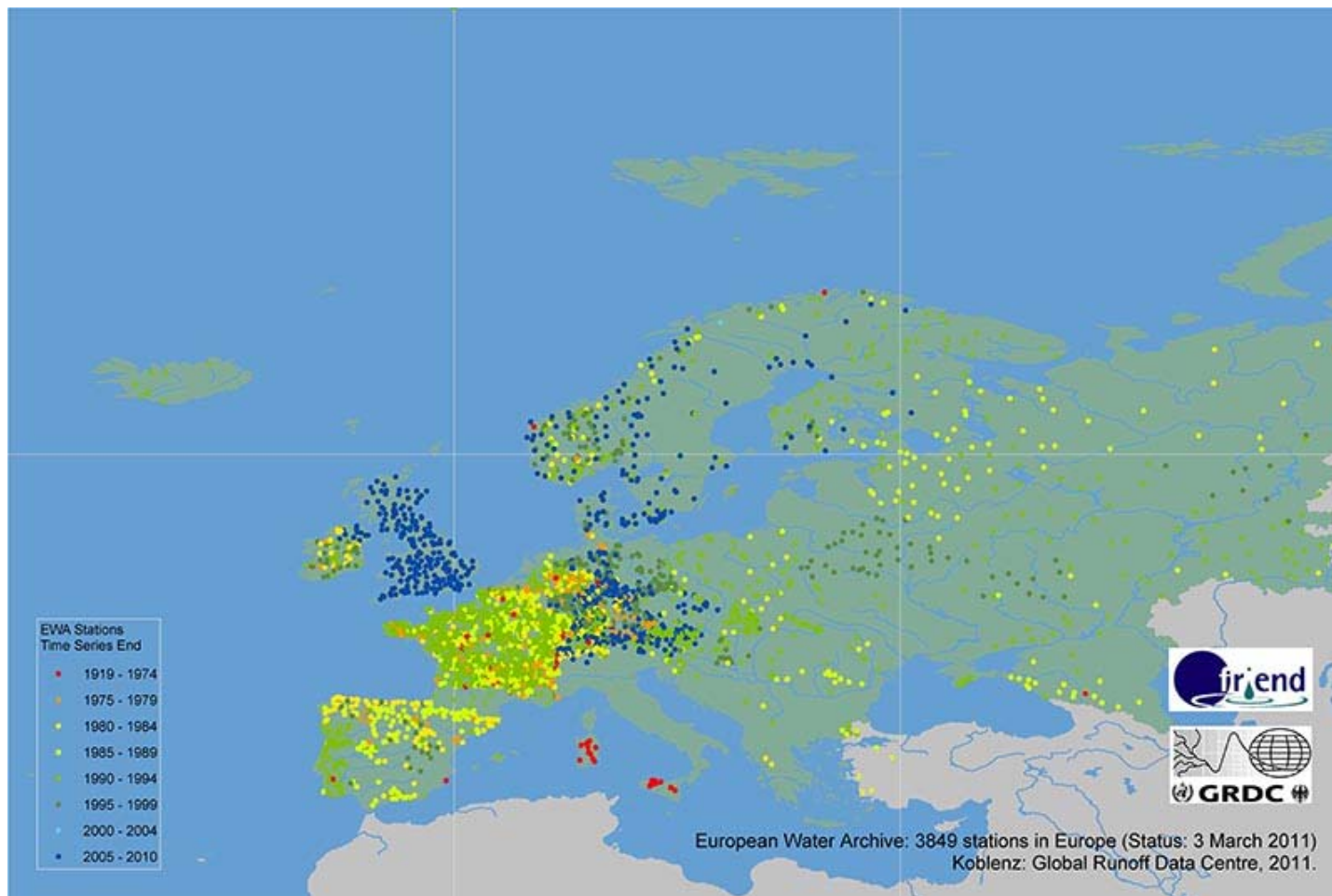




European Water Archive (EWA)

regular updates required

GRDC is mandated by UNESCO IHP to maintain the EWA as a central feature of the UNESCO EURO-FRIEND-Water programme





GRDC future outlook

- Operational data updates at regular frequencies
- Consolidated data requests including all GRDC requirements
- Provision of all data under WMO Resolution 25 conditions
- Working towards standardisation to improve data exchange





Global Runoff Data Centre Koblenz, Germany
...more than 23 Years GRDC

Thank you for your attention!

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

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