



Digital Water Atlas (DWA)

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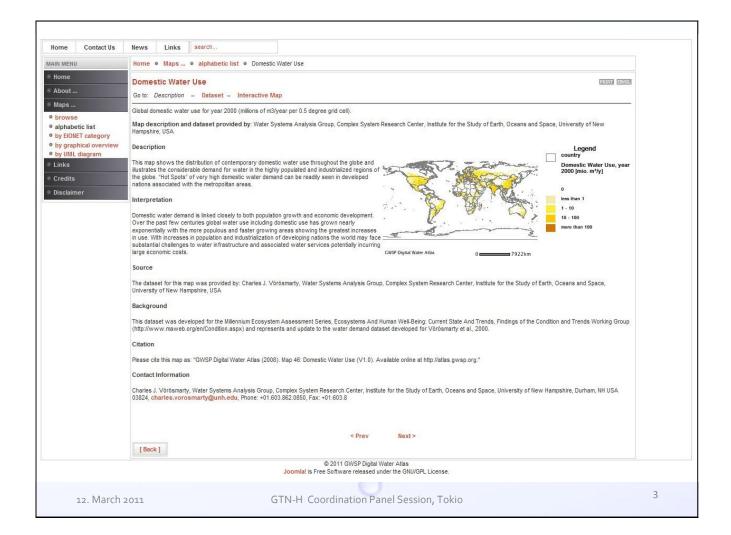




Ultimate Goal

The purpose and intent of the Digital Water Atlas is to describe the basic elements of the Global Water System, the interlinkages of the elements and changes in the state of the Global Water System by creating a consistent set of annotated maps.

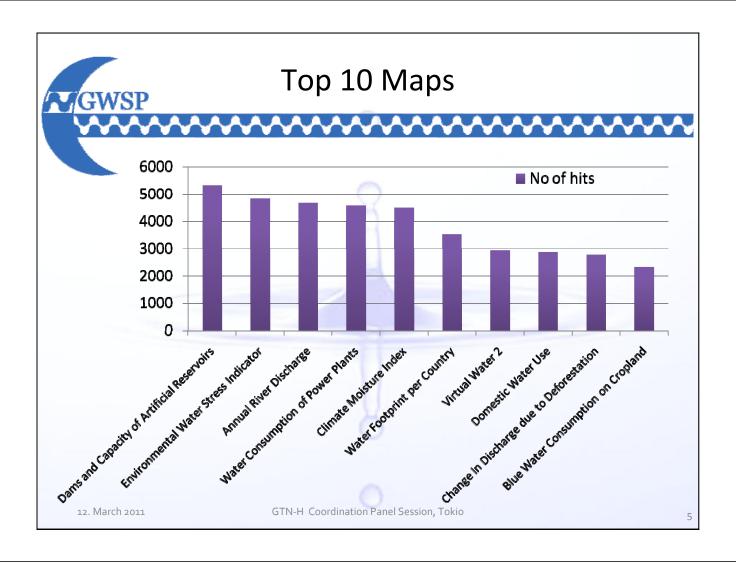
http://atlas.gwsp.org

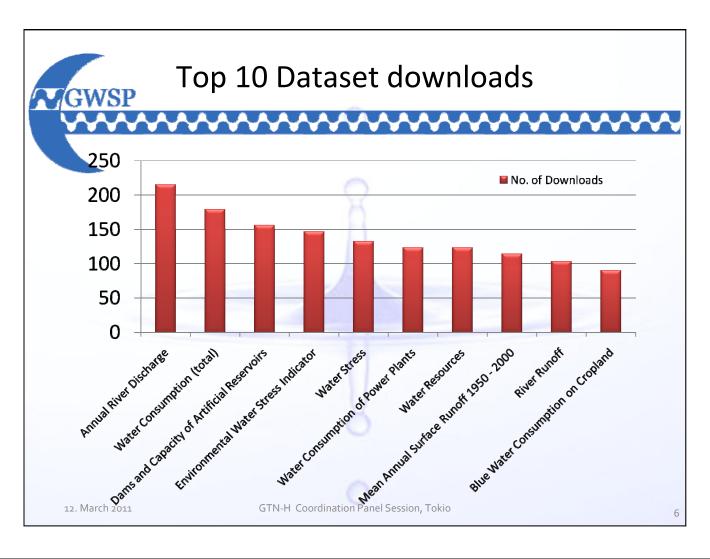




Status

- 68 global maps (including descriptions & datasets)
- 141 web links to other info/data sources
- > 140,000 map visits
- > 1600 registered users from ~45 countries
- > 4500 dataset downloads
- Last update of maps: March 2011







Vision

The GWSP Atlas as a central contact point for all kinds of maps, information, and discussions related to the global water system.

No researcher, policy maker or other stakeholder has an alternative to consult the GWSP Atlas when interested in issues of the global water system.

12. March 2011

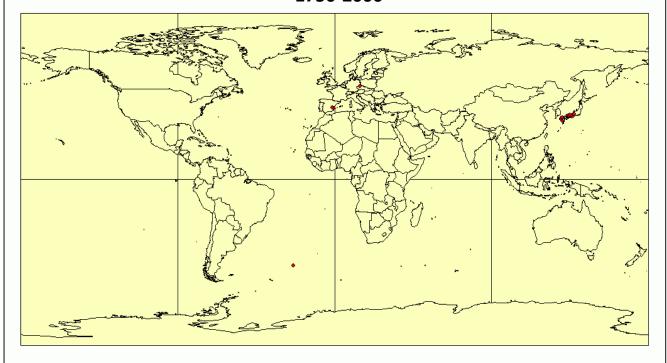
GTN-H Coordination Panel Session, Tokio

Global Reservoir Database

~1750年

13,382 dam

1750-2000



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Global Reservoir and Dam (GRanD) Database (1/2)

| Institution | Provided data and focus of contribution | # of independent data records a |
|---|--|--|
| European Environment Agency, Denmark | Provided point and attribute data for Europe ^b | 3,793 (Europe) |
| Food and Agriculture Organization of the United Nations (FAO) | Provided point and attribute data for Africa (AQUASTAT ^c) | 1,138 (Africa) |
| McGill University, Canada | Provided GLWD ^d ; updated/improved data for Australia ^e and globally; final global data consolidation of GRanD | 1,226 (GLWD); 846 (Australia) |
| The Nature Conservancy (TNC), USA | Updated/improved data for South America | 149 (South America) |
| University of Frankfurt, Germany | Co-author of GLWD ^d ; updated/improved data for China | 568 (China) |
| University of Greifswald, Germany | Provided global point and attribute data; updated/improved data for Europe | 8,157 (global, excluding USA, China, Africa); 4,230 (Europe) |
| University of Kassel, Germany | Co-author of GLWD ^d | - |
| University of New Hampshire, USA | Provided global point and attribute data; updated/improved data for North America (incl. NID ^f) | 1,897 (USA); 236 (Canada); 226 (Mexico) |
| Umeå University, Sweden | Provided global point and attribute data | 5,575 (global, excluding North America, Europe, Russia) |
| University of Yamanashi, Japan | Provided global point, polygon, and attribute data; updated/improved data for Japan | 15,073 dams ^g , 4,648 polygons (global); 560 (Japan) |
| World Wildlife Fund (WWF), USA | Co-author of GLWD ^d , updated/improved data for Asia | 215 (Asia) |

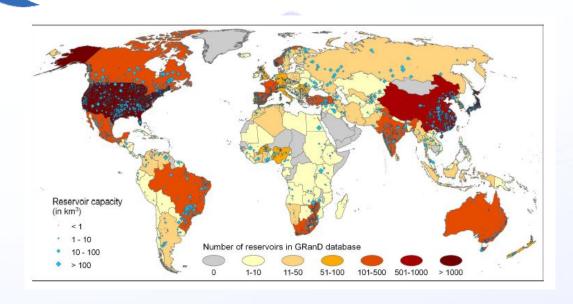
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Global Reservoir and Dam (GRanD) Database (2/2)





Possible next steps

- Include a set of selected, highly 'attractive 'new maps
 - Use data/maps from GWSP workshops on deltas and the 'database on dams'
 - Concentrate on datasets that are on the GWSP 'wish list'
- Publish the Atlas as a printed version
 - Use the series of 'GWSP Issues in Global Water System Research' for a first and simple version to attract more data providers
- Provide updated versions of maps and maps for future scenarios

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THANK YOU