



Pakistan Water Gateway

Managing Knowledge Base



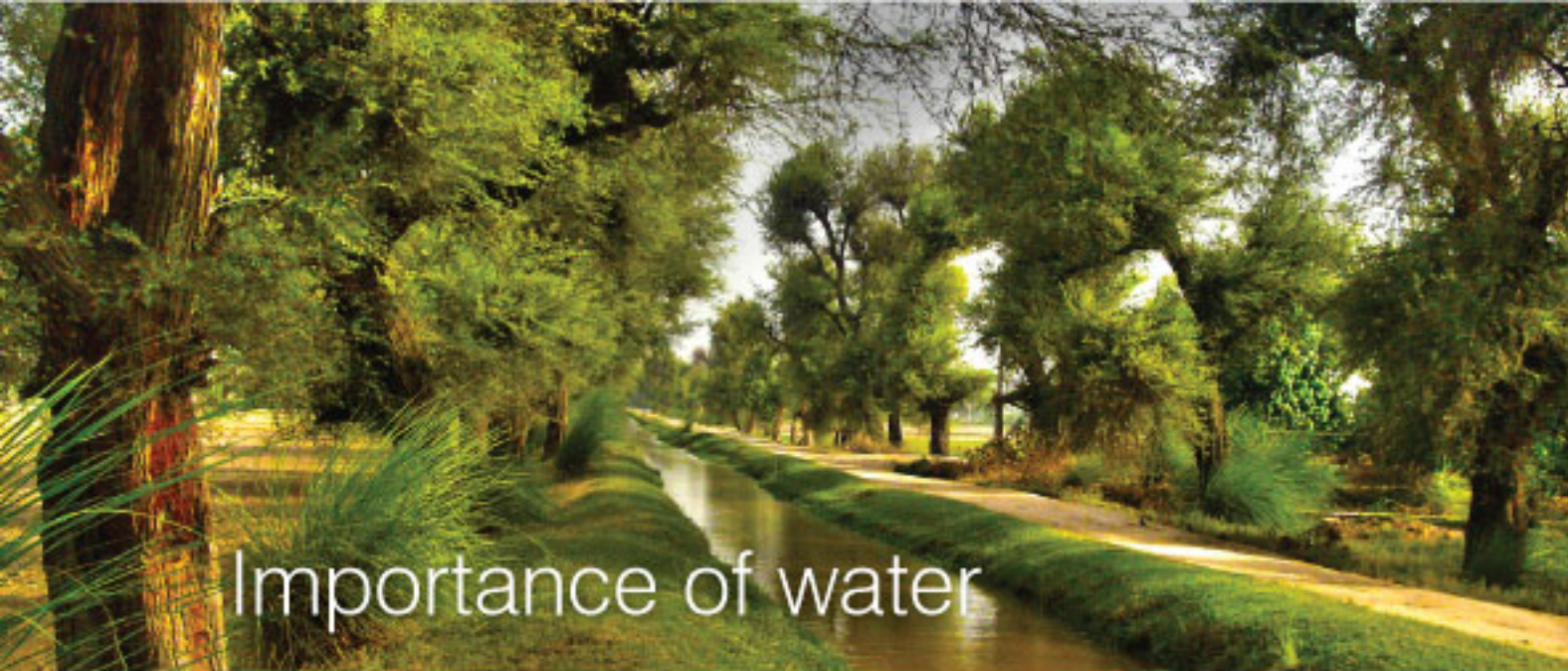
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Importance of water

It was only three decades ago, that Pakistan was a water affluent country but in the last few years, the country has been classified as a water scarce country. It is feared that with rapid increase in population, water scarcity will be further intensified. As a result trans-boundary and inter-provincial conflicts are likely to increase. For instance, the trans-boundary water conflicts will increase due to rise in demand of water and power to meet the needs of socio-economic development in both the upper and lower riparian. The inter-provincial conflicts might increase due to lowering of water tables and groundwater mining in Balochistan, Soan valley and many other areas, which would result in serious inter-generational issues. This dire situation needs re-evaluation of priorities because before we realize it, there may not any water left for our grandchildren.

Why is water knowledge base needed?

The complexity, physical and hydrological limitations of the system require that knowledge of existing systems is available at all levels and the knowledge and information related to the water resources and irrigation system of Pakistan is easily accessible. This was the basic motivation behind the establishment of Pakistan Water Gateway so that the most critical information is available to the users on the Internet as one-stop source of information.

In the future, management of knowledge base will also help identify gaps in knowledge and information and will open up options for priority action areas for further research.



Primary links

- [About Water Gateway](#)
- [Key Water Information](#)
- [National Water Policy - Draft](#)
- [Pakistan Water Sector Strategy](#)
- [Institutions](#)
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World Water Day: Irrigation water shortage to increase 31 per cent in two years

Sat, 03/23/2013 - 11:15 — hammad

1.3 million tube wells operating in the Punjab were causing a drop in the water level.

Faisalabad:

Irrigation water shortfall in Pakistan would increase by 31 per cent by 2015 if tangible steps are not taken to cope with the situation, speakers at a seminar arranged by the Department of Irrigation and Water Management Research Centre of the University of Agriculture Faisalabad (UAF) said on Friday.

[Read more](#)

World Water Day, by Mark Smith

Fri, 03/22/2013 - 16:10 — hammad

Blog article by Mark Smith. "World Water Day is like any themed global day: it's not really to "celebrate" water, it's about getting people to pay attention and decide they're going to take action to solve water problems."

Search



Logo International Year of Water Cooperation

Photo: UN Water



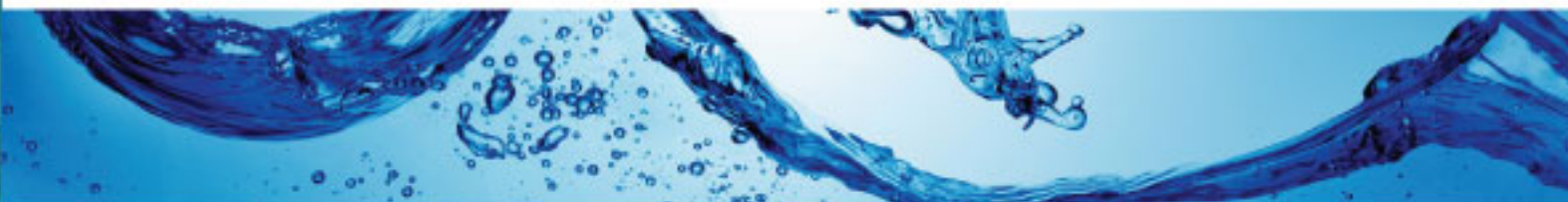
IUCN Global Water Resources

○ [WANI toolkits](#)

What is the Pakistan Water Gateway?

The Pakistan Water Gateway designed to provide information on water-related resources and issues on the World Wide Web. It is a pioneering knowledge product, archiving information specific to Pakistan.

The Gateway serves as a digital repository for an evolving body of knowledge. It hopes to link national stakeholders i.e., the government, civil society, media, experts, donors and the general public with their global counterparts. It addresses water as a resource in its many dimensions, assesses and disseminates shared experiences, publicizes policies and guidelines, and facilitates cooperation on water issues. It also provides links to the current national and international programmes and resources on water and serves as an interactive platform for websites of water-related organizations, government bodies, private sector and NGOs. The site also contains few papers on critical issues and the experiences of experts and institutions working on water-related themes, as well as the wisdom of local communities.



The Gateway was established during 2003 when IUCN was collaborating with the World Commission on Dams, supplementing the Book on "Dams and Development: A new framework for decision making" under the WCD-CCP Project.

Up till April 2013, the Gateway has limited number of documents and papers but while developing the Pakistan Water Programme 2013-20, the IUCN and Oxfam-Novib have taken a new step to re-invigorate the Pakistan Water Gateway. The Pakistan Water Gateway Team has created an email mechanism, through which users can submit their publications and papers. A dedicated Webmaster will then upload information after the necessary review by the Water Experts at IUCN.

Users can send an email on content@waterinfo.net.pk for consideration.

How to use the Pakistan Water Gateway?

This key information on water resources is presented as concise fact sheets and can be used freely with due acknowledgement to Pakistan Water Gateway. However, original sources of information should be referenced in the papers while conducting reviews and research, as information from other sources is also included on the Gateway. The updated version of the Gateway is sponsored jointly by the Pakistan Water Programme of IUCN Pakistan and Oxfam-Novib, and will be fully functional by May 2013. The information is now characterised and classified under various themes so that it is easily navigable.

The input of users is very much needed to update the Pakistan Water Gateway as the Webmaster continues to develop user-friendly interface. Furthermore, IUCN and Oxfam-Novib want to make it clear that it is Pakistan Water Gateway and thus partnership is needed from all individuals and institutions so that we all can contribute to make it a success.

Broad Areas of Information & Selected Topics

- Ecosystems of Pakistan – glaciers, snow-caps, mountains, plains, deserts, etc.
- Natural Resources of Pakistan – water, land, climate, environment, forestry and range, etc.
- Watershed Management – soil and water conservation, landscape, integrated land use, erosion control, water harvesting, livelihood for watersheds, watershed users' organizations
- Water Resources of Pakistan – glaciers, snow, rainfall, surface water, groundwater
- Indus Basin Irrigation System – Rivers, dams, barrages, canals, etc.
- Traditional Irrigation Systems – mountain irrigation, Kareze, springs, Spate irrigation, recession farming, Barani, riverine, Khushkaba, etc.
- Groundwater Resources and Management – wells, tubewells, Kareze, springs
- Surface Water Resources and Management – Indus basin canals, minor perennial canals, etc.
- Spate Irrigation – Spate irrigation, Spate farming, etc.
- Water and Coastal Areas – micro-water resources development, coastal area development, etc.
- Water and Livelihood – water use and livelihood in all sectors
- Floods in Pakistan – flood analysis, management, etc.
- Droughts in Pakistan – drought analysis, mitigation, etc.
- Water and Climate Change – impact assessment, adaptations, etc.
- Farming Systems of Pakistan – mountain irrigated, canal irrigated, Barani, Spate irrigated, groundwater farming, riverine, recession farming, Khushkaba, etc.
- High Efficiency Irrigation Systems – sprinkler and drip irrigation systems and adaptations to suit local conditions
- Water and Sanitation – water supply, sanitation, sewage treatment, etc.
- Wastes and Wastewater Management – management of solid wastes, compost making, treatment of liquid waste, utilization of treated waters
- Energy Resources of Pakistan – renewable and non-renewables
- Water and Energy Nexus – irrigation and energy nexus, etc.
- Water Infrastructure under Construction – canals, dams, hydro-power projects, etc.
- Water and Space Informatics – GIS, satellite image analysis, maps, etc.
- Water Popular Information – popular articles in periodicals, Newspapers, etc.
- Indus Water Treaty – main text, Annexures, etc.
- Water and related Policies – water, agriculture, forestry, resettlement, etc.
- Multimedia Products – documentaries, TV Talks, video-files, PowerPoint presentations, etc.
- Accord – Pakistan water accord 1991, etc.
- Acts – WAPDA, IRSA, PARC, PCRWR, NEPRA, etc.
- Policy Briefings – Water for Balochistan, etc.
- Technical Briefings – diagnostic surveys, interactive focus group dialogues, natural resources management, IRBM, IWMI, etc.

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