



## Environment

## Water Community



### Community Update

**No. 35: 23 July 2009**

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#### From the Resource Team

Dear members,

Two months into the monsoons, we are all wondering whether we are headed for a drought or floods. Part of the country is inundated while other parts are parched. Despite advances in computer science, we are unable to reliably predict how much it will rain, where and when. Of course, it's easy to blame climate change for this uncertainty, but can't we use our collective wisdom to even out these bumps? In fits and starts, in some parts, we have promises of how this may happen. Rajasthan, Tamil Nadu, Andhra Pradesh, Orissa, Kerala.... A few state governments are putting together community-led water security measures based on maximizing rainfall collection in surface storage structures. Each one is approaching it differently, but the goal is getting communities to handle their own water security.

The encouraging part of this is communities are responding to proactive government measures. They are investing both labour and money to increase their water security. Results are quick and this is creating a domino effect so the initiatives are spreading fast. The downside is, the very success of these initiatives is because of the unreliability of piped water schemes and handpumps that formed the centre-piece of the government's approach to providing water in most parts of India.

It may well be, that encouraging communities to take charge of their own water security is the only way to go. This is more equitable, gender-sensitive, cheaper, and sustainable than the earlier approach of digging handpumps, sinking borewells or laying pipelines from distant sources.

On another note, we are running three very vibrant discussions on

1. Use of reverse osmosis systems to provide safe drinking water
2. Community-based water harvesting systems and gender equity
3. Research on the correlation between climate change and water

In this Update we have received contributions from the following members:

- Anjal Prakash
- Seema Kulkarni
- Ashok Ghosh
- Poulomee Ghosh

- Ramakrishna Nallathiga
- Himanshu Thakkar
- Mark Tiele Westra
- Abhay Chawla
- Sarah Figge, Nupur Arora, Ramya Gopalan, Radhika Desai and Meenakshi Agarwal

We thank members for their inputs and contributions for the same and look for your continued support in running the Water Community.

Nitya Jacob and Sunetra Lala,  
Resource Team,  
Water Community

## Member Postings



## Workshops and Conferences

### Upcoming events

**Gender, Water and Equity Training Workshop** (from [Anjal Prakash](#), [SaciWATERS](#), [Hyderabad](#) and [Seema Kulkarni](#), [SOPPECOM](#), [Pune](#))

The third South Asian Gender, Water and Equity Training Workshop is to be held in November 2009 in India. The training workshop is jointly being organized by Tata Institute of Social Sciences and SaciWATERS in association with SOPPECOM and Gender and Water Alliance. The training is open to water professionals from South Asian countries. For more details please visit

[http://www.solutionexchange-un.net.in/environment/comm\\_update/res35-23070901.pdf](http://www.solutionexchange-un.net.in/environment/comm_update/res35-23070901.pdf) (PDF; Size: 1.85MB)

### International

**18<sup>th</sup> World Congress of Environmental Journalists** (from [Sarah Figge](#), [UNDP](#), [New Delhi](#))

The 18th APFEJ World Congress of Environmental Journalists is from October 19-22, 2009 in Sri Lanka and over 100 delegates from nearly 50 countries are expected to attend the same. It will revolve around the theme of "Educate to end Climate Poverty". The Congress is supported by the Sri Lanka Government, United Nations Environment Programme and several development agencies. It will deal with the role of media concerning environment this century. If you would like to join the Colombo Congress as a delegate, sponsor and partner or wish to become a Recourse Person, please click

<http://www.environmentaljournalists.org>. For more details of how to get involved or contact [ejournalists@slt.net.lk](mailto:ejournalists@slt.net.lk) , [ejournalists@gmail.com](mailto:ejournalists@gmail.com)

From [Sunetra Lala](#), *Research Associate*

**Workshop on Strengthening Transparency, Integrity and Accountability: Preventing Corruption in Water, The**

## Community News

### Open Queries

**Use of R.O. Systems for Providing Safe Drinking Water.** Reply to [se-wes@solutionexchange-un.net.in](mailto:se-wes@solutionexchange-un.net.in)

**Research on Correlation Between Water and Climate Change.** Reply to [se-wes@solutionexchange-un.net.in](mailto:se-wes@solutionexchange-un.net.in)

**Community-based Water Harvesting Systems and Gender Equity.** Reply to [wes\\_se-gen@solutionexchange-un.net.in](mailto:wes_se-gen@solutionexchange-un.net.in)

## Solution Exchange Events Recently Held

**Consultation on Water Purification Technologies during Emergencies, 10 July 2009, New Delhi**

Confederation of Indian Industry (CII) and Disaster Management Community of Solution Exchange, United Nations organized a consultation on "Water Purification Technologies for Emergencies." The aim of the consultation was to identify and take forward specific areas of action for

## **Hague, 21-23 September 2009**

The course is targeted at government, donor, embassy and bank officials responsible for management of projects within the water sector, consultants, non-governmental organization staff and other professionals involved in the execution of development-related water projects, and journalists and legal professionals interested to learn about issues in preventing water corruption. For more information please visit <http://www.irc.nl/page/47909>.

## **WaterTech Asia**

WaterTech Asia 2009 is being held on 11-13 November 2009 in Shanghai, China, and will provide a platform for officials, entrepreneurs, academics and industry leaders to discuss the sustainable development of water resources in the Asia Pacific region. Further information can be found at [www.watertechsummit.com](http://www.watertechsummit.com).

## **Partnerships for Water and Environmental Sanitation Integrity, Accountability and Transparency : Win Seminar At The World Water Week**

This event follows last year's seminar on the Global Corruption Report 2008: A Call to Action. The aim is to launch global strategic partnerships for Water Integrity action and to identify and/or announce new partnerships for country or regional based action programmes. The seminar will be used as a platform to discuss the implementation of WIN's Strategic Framework for Action 2009-2015, the results so far and synergies with other international networks and organizations. For more information please visit <http://www.waterintegritynetwork.net/page/2699>

## **Recent events**

### **Gender, Water and Equity Training Programme, April 27 – May 1 2009, ICSSR, University of Mumbai Campus, Mumbai** (from *Radhika Desai, Solution Exchange, New Delhi*)

For the report on the above training programme please read [http://www.solutionexchange-un.net.in/environment/comm\\_update/res35-23070908.doc](http://www.solutionexchange-un.net.in/environment/comm_update/res35-23070908.doc).

### **Water Integrity Network Initiative in Nigeria** (from *Sunetra Lala, Research Associate*)

Community Integrity Initiative, a Non-Governmental Organization based in Delta State, Nigeria has received financial support from the WIN secretariat in Berlin, Germany to hold participatory meetings and a concerted workshop with members and actors in the water sector in Edo, Enugu and Delta States of Nigeria. The first meeting took place in Benin City. It assembled a variety of water sector specialists and anti-corruption fighters to kick start integrity activities in the area. The one-day event discussed tools and methodologies to increase transparency and accountability in the water sector. For more information, please visit <http://www.waterintegritynetwork.net/page/2719>

## **Upcoming Trainings**

### **Drinking Water Quality Monitoring and Management** (from

industry in the field of water needs in disasters. For more information contact G Padmanabhan or Nupur Arora at [se-drm@solutionexchange-un.net.in](mailto:se-drm@solutionexchange-un.net.in)

### **Decentralization Community Regional Workshop, 7-9 July 2009, Patna, Bihar**

Kerala Institute of Local Administration (KILA) and Decentralization

Community of Solution Exchange jointly organized a Workshop on "Local Governance in India: The Way Forward" during 7-9 July 2009 at Bihar Institute of Public Administration, Patna. For more information, please write to Joy Elamon or Tina Mathur at [se-decn@solutionexchange-un.net.in](mailto:se-decn@solutionexchange-un.net.in) for details.

### **From Our Partners**

#### **UNICEF**

[UNICEF launches kit to help young children caught in emergencies](#)

[WHO and UNICEF call for strengthened risk reduction measures to protect hospitals and schools from the impact of disaster](#)

#### **UNDP**

[A blind community saves the wetlands in Peru](#)

[Latin America's first water-powered bus on the streets of São Paulo](#)

#### **UNESCO**

[Working Group on Tsunamis and Other Hazards Related to](#)

*Meenakshi Agarwal, Nupur Arora, Ramya Gopalan and T.N. Anuradha, UNDP, New Delhi)*

The training deals with different aspects of water quality management in general. The training will provide different management options and solutions to various contaminants, including biological, physical or chemical contaminants. It is being organized from 6-8 August 2009 by TARA Livelihood Academy, Development Alternatives at Orchha, Madhya Pradesh. For more details please write to [bgadre@deval.org](mailto:bgadre@deval.org) and [tla@deval.org](mailto:tla@deval.org).

*From [Sunetra Lala](#), Research Associate*

[Sea-Level Warning and Mitigation Systems](#)

[India Water Portal Case Studies on Drinking Water Management](#)

[Hindi Water Portal Does Science have the Answer to our Water Woes?](#)

### **Application of Earth Observation - GIS in Integrated Water Resource Management**

The International Institute for Geo-Information Science and Earth Observation (ITC) is organizing, jointly with the Regional Center of Mapping of Resources for Development (RCMRD), Egerton University and Addis Ababa University, a 4 months training course on the Application of Earth Observation - GIS in Integrated Water Resource Management. The course starts 18 January 2010 and ends 7 May 2010. For more information and online registration please visit [http://www.itc.nl/education/courses/course\\_descriptions/pdf/C10-WREM-SC-01.pdf](http://www.itc.nl/education/courses/course_descriptions/pdf/C10-WREM-SC-01.pdf) and <http://www.itc.nl/education/courses.aspx>

### **Water Leadership**

The UNESCO Centre for Water Law, Policy and Science at the University of Dundee is offering a short training in leadership in the water sector, from 17-21 August 2009 in Dundee, Scotland, UK. For details contact [water@dundee.ac.uk](mailto:water@dundee.ac.uk) and [s.m.hendry@dundee.ac.uk](mailto:s.m.hendry@dundee.ac.uk) or visit [www.dundee.ac.uk/water](http://www.dundee.ac.uk/water)

### *Upcoming Courses*

*From [Sunetra Lala](#), Research Associate*

### **Engineering Doctorate – Understanding the Impact Of Climate Change on Water Utility above-ground Infrastructure, Centre for Water Science at Cranfield University, UK**

The Centre for Water Science at Cranfield University is part of the STREAM Industrial Doctorate Centre. The STREAM programme provides opportunities for the water sector to sponsor strategically important research and allows talented researchers to develop their skills and careers within an industrial environment and obtain an Engineering Doctorate (EngD) degree through a four year programme of research and learning. More details of the STREAM programme can be found at [www.stream-idc.net](http://www.stream-idc.net) and <http://www.iwapublishing.com/template.cfm?name=c1115>

### **Engineering Doctorate – Alternative Valuation Methods For Engineering Project Appraisal, Centre for Water Science at Cranfield University, UK**

The Centre for Water Science at Cranfield University is recruiting Research Engineers to join the programme in October 2009 and invites applications from highly motivated graduates for the above project. The research to be undertaken will scope and test new forms of engineering project appraisal within the context of the challenges posed by the Water Framework Directive and carbon neutral interventions. For more details please visit [www.cranfield.ac.uk/prospectus/app/pgappform.pdf](http://www.cranfield.ac.uk/prospectus/app/pgappform.pdf) and <http://www.iwapublishing.com/template.cfm?name=c1114>

### **Two year full time M.Sc. in Water Science and Management (from [Ashok Ghosh](#), A.N. College, Patna)**

The Department of EWM, A. N. College, Patna is introducing a two year full time M.Sc. course in Water Science and Management from the current session (2009-11). Science or Engineering

Graduates are eligible to apply for admission in this course. Admissions will be based on written test (100 Marks) followed by Viva Voce (25 Marks). The first academic session will start from the 3rd week of August 2009. Forms and prospectus are available at the Department of EWM on all working days. For details please contact [ashok.ghosh51@gmail.com](mailto:ashok.ghosh51@gmail.com) or visit <http://ghosh51.tripod.com/>

### **Awards**

#### **Environmental Prize awarded To Kemira's Waste Effluent Technology in Germany** *(from [Sunetra Lala](#), Research Associate)*

A waste effluent plant built by Kemira and using its waste effluent technology has won a prize from the Association for Studies and the Promotion of the Economy of Schleswig-Holstein. See full story at: <http://www.iwapublishing.com/template.cfm?name=w21prodnews210709c>

### **Job Openings**

#### **Job Openings at the Fluorosis Research and Rural Development Foundation** *(from [Nitya Jacob](#), Resource Person)*

The Fluorosis Research and Rural Development Foundation has announced job vacancies and the same can be viewed at

[http://www.solutionexchange-un.net.in/environment/comm\\_update/res35-23070902.jpg](http://www.solutionexchange-un.net.in/environment/comm_update/res35-23070902.jpg);

[http://www.solutionexchange-un.net.in/environment/comm\\_update/res35-23070903.jpg](http://www.solutionexchange-un.net.in/environment/comm_update/res35-23070903.jpg);

and [http://www.solutionexchange-un.net.in/environment/comm\\_update/res35-23070904.jpg](http://www.solutionexchange-un.net.in/environment/comm_update/res35-23070904.jpg).

#### **Social Performance Manager at Hazira Lng Pvt. Ltd.** *(from [Poulomee Ghosh](#), Third Sector Partners, Mumbai)*

The Social Performance Manager will be responsible for managing the planning and delivery of Social Performance for the Hazira Group of Companies and also provide oversight of the Hazira social performance team and partner NGOs. The position would be based in Hazira, District Surat, and report to the GM – HR at the corporate Office. For details please read

[http://www.solutionexchange-un.net.in/environment/comm\\_update/res35-23070909.doc](http://www.solutionexchange-un.net.in/environment/comm_update/res35-23070909.doc)

*From [Sunetra Lala](#), Research Associate*

#### **Water Quality Analyst and Project Coordinator**

Haritika

Location: Nowgong, Chhatarpur, Madhya Pradesh

Last Date: July 31, 2009

[http://216.119.85.221/artman2/publish/indian-jobs/article\\_15086.shtml](http://216.119.85.221/artman2/publish/indian-jobs/article_15086.shtml)

#### **Public Health Engineer - Integrated Urban Water Management (IUWM) Programme**

Arghyam

Location: Mulbagal, Karnataka

Last Date: August 8, 2009

[http://216.119.85.221/artman2/publish/indian-jobs/article\\_14912.shtml](http://216.119.85.221/artman2/publish/indian-jobs/article_14912.shtml)

### **International**

*From [Sunetra Lala](#), Research Associate*

#### **Comoro Islands Biodiversity Officer**

Department: Conservation Programmes (Bristol Conservation and Science Foundation); Main Place of Work: Comoro Islands, Western Indian Ocean; Start Date: From August 2009; Contract: 1.5 years fixed-term, full-time position at £15,000 per annum, with the possibility of extension; Contact: Hugh Doulton (Comoros Project Coordinator) [hughdoulton@hotmail.com](mailto:hughdoulton@hotmail.com) and Neil Maddison (Head of Conservation Programmes) [nmaddison@bristolzoo.org.uk](mailto:nmaddison@bristolzoo.org.uk).

Bristol Conservation and Science Foundation ('BCSF'), in partnership with Durrell Wildlife Conservation Trust (DWCT), has recently been awarded a prestigious Darwin Initiative Grant from the UK government to fund its work in the Comoro Islands in the Western Indian Ocean. The project has three main components: working with local communities to assist them in finding and implementing win-win solutions that protect forest, biodiversity and livelihoods; setting up a biodiversity habitat and monitoring system that will help to delineate protected areas; and reinforcing a local partner NGO to ensure sustainability of the action. BCSF is now looking to recruit a dynamic, motivated and committed person to take responsibility for this second component, setting up the biodiversity monitoring system, and to contribute to the reinforcement of the NGO. The main duties include: (i) Developing and implementing a biodiversity monitoring scheme (based on a pressure-state-response model) for the priority areas of the remaining forests of the islands of Anjouan, Mohéli and Grand Comore and (ii) Building capacity in the local NGO and the University of Comoros for biodiversity assessment, monitoring (including training in field techniques), data management and data analysis.

#### **Climate Change and Water Resources Consultant**

Water Resources Commission (WRC)

Location: Accra, Ghana

Last Date: July 31, 2009

[http://216.197.119.113/jobman/publish/article\\_57725.shtml](http://216.197.119.113/jobman/publish/article_57725.shtml)

#### **Knowledge Management Consultant**

Water and Sanitation Program, World Bank

Location: Washington, D.C.

Last Date: July 31, 2009

[http://216.197.119.113/jobman/publish/article\\_57640.shtml](http://216.197.119.113/jobman/publish/article_57640.shtml)

#### **Water and Sanitation Specialist**

World Relief

Location: Darfur, Sudan

Last Date: July 25, 2009

[http://216.197.119.113/jobman/publish/article\\_57568.shtml](http://216.197.119.113/jobman/publish/article_57568.shtml)

### *Recommended Survey*

#### **Hydrological Information Needs (HIN) Survey** (from [Sunetra Lala](#), Research Associate)

In India, hydrological data is collected by Water Resources/Irrigation departments of the Central and State Governments. The Government is planning to review the process of making this data available to users. Therefore, an internet based survey is being carried out to assess who are the users of hydrologic data, what kind of data is required by them, and for what purpose. The survey should take about 5 minutes to complete. You can take this survey and thus help in the assessment of hydrologic data requirements. Please visit <http://mowr.gov.in/hp2/hin/index.asp> to take part in the survey. You can also access the survey page from National Water Academy's home page <http://nwa.mah.nic.in>

### *Recommended Readings*

#### *Recommended Documents*

#### **Handbook of Water Purity and Quality** (from [Ramakrishna Nallathiga](#), Centre for Good Governance, Hyderabad)

The handbook provides those involved in water purification research and administration with a comprehensive resource of methods for analyzing water to assure its safety from contaminants, both natural and human. The book provides an overview of major water-related issues in developing and developed countries, followed by a review of issues of sampling for water



analysis, regulatory considerations, and forensics in water quality and purity investigations. The subsequent chapters cover microbial as well chemical contamination from inorganic compounds, radio-nuclides, volatile and semi-volatile compounds, disinfectants, herbicides, and pharmaceuticals, including endocrine disruptors, etc. The last chapter describes the Grainger prize-winning filter that can remove arsenic from water sources and protect the health of a large number of people.

**Moves to Improve Water Management in Urban Centers** (from [Ramya Gopalan](#), UNDP, New Delhi)

The Asian Development Bank (ADB) is helping select urban centres in India, Nepal, and Sri Lanka to improve water management to enhance economic opportunities and reduce waterborne diseases. Intermittent water supplies are the norm in South Asian urban centres. There are no strategies to make water available 24 hours a day, which is one of the most important objectives in urban water management systems. This has resulted in water contamination and wastage, unreliable metering, and burst pipes. Through technical assistance, up to 30 urban centres in the three South Asian countries will acquire technology and expertise to manage the water sector. They will develop a better understanding of key policy parameters for water security and reduce risks and vulnerabilities caused by lack of understanding and knowledge of the water sector. For the full article please visit: <http://www.livemint.com/2009/07/09134355/ADB-to-help-India-Nepal-Sri.html>.

**Press Release: CIC asks MWR not to Consider River Flow Data Secret** (from [Himanshu Thakkar](#), SANDRP, New Delhi)

Following the Central Information Commission's order on an appeal from SANDRP, the IMD has put up monthly rainfall for all districts of the country for the last five years on its website.

Please visit the following links for details:

[http://www.solutionexchange-un.net.in/environment/comm\\_update/res35-23070905.doc](http://www.solutionexchange-un.net.in/environment/comm_update/res35-23070905.doc);

[http://www.solutionexchange-un.net.in/environment/comm\\_update/res35-23070906.pdf](http://www.solutionexchange-un.net.in/environment/comm_update/res35-23070906.pdf);

and [http://www.solutionexchange-un.net.in/environment/comm\\_update/res35-23070907.doc](http://www.solutionexchange-un.net.in/environment/comm_update/res35-23070907.doc).

From [Sunetra Lala](#), Research Associate

**Rights-based Approaches: Exploring Issues and Opportunities for Conservation**

The International Union for Conservation of Nature (IUCN) and the Center for International Forestry Research (CIFOR) have brought together a collection of diverse lessons and perspectives in understanding and addressing the links between conservation and human rights in a new book: Rights-based Approaches: Exploring Issues and Opportunities for Conservation. The book examines new challenges and questions to determine what rights-based approaches mean for conservation policy and its implementation. For more information please visit [www.cifor.cgiar.org/RBAbook](http://www.cifor.cgiar.org/RBAbook)

**Report on Corruption Impact on Household Water Supply**

Transparency International Kenya (TI-Kenya) and Maji na Ufanisi, a local NGO, conducted a study among Nairobi households about the scale and impact of corruption and poor management within the water sector. The report Water Governance Study states that 57 per cent of water supplied for domestic purposes is unaccounted for while the Water Resource Management Authority is only collecting 20 per cent of the fees due from large water users. These inefficiencies in revenue collection are leading to massive losses. It further states that cases of bribery for illegal connections are especially high in Nairobi compared to other Kenyan cities. For more details please visit <http://www.tikenya.org/viewnews.asp?ID=1253>

**Safer Water, Better Health**

The report depicts country-by-country estimates of the burden of disease due to water, sanitation, and hygiene, and highlights how much disease could be prevented through increased access to safe water and better hygiene. This comprehensive overview provides the epidemiological evidence and economic arguments for fully integrating water, sanitation, and

hygiene in national disease reduction strategies – a prerequisite to achieving the Millennium Development Goals (MDGs). It also provides a basis for preventive action by all relevant sectors responsible for managing critical water resources and services in support of public health efforts. For more information please visit

[http://www.capacity.org/en/publications/safer\\_water\\_better\\_health](http://www.capacity.org/en/publications/safer_water_better_health)

### ***Water and Environment News***

Launch of Website: Right to Water (from [Sarah Figge](#), UNDP, India)

Launched by WaterAid, Rights and Humanity, and FAN, the website aims to: provide information on relevant policy commitments and explain the concepts and theories of human rights law with respect to the right to water; disseminate General Comment No 15 adopted by the UN Committee on Economic, Social and Cultural Rights; confirming and interpreting the right to water and promote the use of the right to water as a tool for community empowerment, advocacy and legal redress. For more information please visit:

<http://www.righttowater.info/code/Legislation.asp>.

*From [Sunetra Lala](#), Research Associate*

#### **People deserve better Water Services**

The Africa Water Network states that the private water company Aqua Vitens Rand Limited, which manages water service in Ghana, must go, “Water services delivered to the Ghanaian public must be among the worst in the world. Aqua Vitens Rand Limited (AVRL), the private company is being paid millions of dollars of our public resources”. For more information please visit <http://www.waterintegritynetwork.net/url/677>

#### **UNEP Report claims Green Investments ‘are a Legal Responsibility’**

A new report from UNEP and a group of asset managers claims that green investments are now a legal responsibility. See full news story at:

<http://www.iwapublishing.com/template.cfm?name=news346>

#### **AWWA urges Creation of Federal Water Infrastructure Bank**

AWWA has asked for the creation of a federal water infrastructure bank to make low-interest loans available for the upgrade of aging water infrastructure. See full news story at:

<http://www.iwapublishing.com/template.cfm?name=news347>

#### **EPA focuses Stimulus Funding on Petrol Leaks and Tribal Aid**

The US EPA has announced a major tranche of stimulus funding awards for Native American water and wastewater projects and petrol tank leakage cleanups. See full news story at:

<http://www.iwapublishing.com/template.cfm?name=news340>

#### **G8 Summit highlights Determination to Foster Africa Water-Sanitation Partnership**

A stronger partnership with African countries has been one of the main points to come out of the G8 Summit, with commitment to continue improving water and sanitation in line with meeting the MDGs. See full news story at:

<http://www.iwapublishing.com/template.cfm?name=news342>

#### **G8 agrees to Recognise Cap on Global Temperature Increase**

The G8 has agreed to recognize that the increase in global average temperature above pre-industrial levels ought not to exceed 20C, with leaders at the meeting committing to reduce hydrofluorocarbons and black carbon. See full news story at:

<http://www.iwapublishing.com/template.cfm?name=news343>

#### **Africa Development Bank (AfDB) provides Grants For Rural Watsan Programme**

AfDB is funding to Rwanda for the improvement of rural drinking water supplies and sanitation in 216 localities, including the installation of rainwater harvesting reservoirs and the training of



outreach workers and teachers on hygiene. See full news story at:

<http://www.iwapublishing.com/template.cfm?name=news327>

### **Minister announces Water Quality improvement boost**

The UK Government has announced investment of £10 million (\$16 million) into projects for the improvement of England's lakes, rivers and canals, but UK charity RSPB said that more needs to be done. See full news story at: <http://www.iwapublishing.com/template.cfm?name=news328>

### **WMO and UNDP Collaborate on Disaster Preparedness**

WMO and UNDP are working together to improve the preparation of South-East European countries against possible disasters and extreme events by integrating national meteorological and hydrological services within this area. See full news story at:

<http://www.iwapublishing.com/template.cfm?name=news329>

### **Veolia Water Wins Chartres Métropole Contract**

Veolia Water has won a 20 year concession contract for Chartres Metropole, which includes the construction and operation of a new wastewater treatment plant. The plant will use low load sludge treatment and biogas for heating in order to reduce its environmental impact. See full news story at:

<http://www.iwapublishing.com/template.cfm?name=news324>

## *Recommended Videos*

### **Sukhrali Johad in Gurgaon District** (from [Abhay Chawla](#), Gurgaon)

Sukhrali is a village in Gurgaon district off the NH-8 Delhi Gurgaon expressway. The village has a pond or johad. The johad has many legends built around it but is now threatened by encroachments. For more details please watch the video: <http://www.youtube.com/watch?v=St-bqdn8nXA>

## *Recommended Tools*

### **Akvopedia - Sharing Water and Sanitation Knowledge** (from [Mark Tiele Westra](#), Akvopedia, The Netherlands)

Akvopedia works just like Wikipedia. It carries information on smart and affordable water and sanitation technology in rural or peri-urban settings, such as water pumps which can be locally produced irrigation systems, water storage, latrines, etc. Anyone can contribute knowledge and edit Akvopedia. It is a tool for local field workers, NGOs and others managing water and sanitation projects in their communities. It is the place to go for knowledge and inspiration – and the place to share your experience of what works and what doesn't. For those with good content but who are short of time to share it, Akvopedia offers free editorial services. For more details please visit [www.akvopedia.org](http://www.akvopedia.org). Akvopedia is maintained by the Akvo Foundation ([www.akvo.org](http://www.akvo.org)).

## *New Products*

From [Sunetra Lala](#), Research Associate

### **Stantec awarded Reservation Water Pipeline Project**

Stantec has been awarded a contract for the design of 48km of water pipeline for the Grand Canyon West Water System, Arizona, USA which will improve the water supply to the Hualapai Indian Reservation. See product story at:

<http://www.iwapublishing.com/template.cfm?name=w21prodnews210709a>

### **Cambi Supplies Advanced Sludge Pre-Treatment**

Cambi AS will provide thermal hydrolysis pre-treatment of sludge for two advanced sludge treatment centres in Cardiff and Afan, Wales, UK reducing the energy used at these sites. See

product story at: <http://www.iwapublishing.com/template.cfm?name=w21prodnews210709b>

### **Hong Kong Water Supplies selects Black & Veatch to Improve Water Supply Reliability**

Black & Veatch has been selected to expand the Tai Po Water Treatment Works in Hong Kong, more than tripling the capacity. See full product story at:

<http://www.iwapublishing.com/template.cfm?name=w21prodnews070709a>

### **ABB Technology will help bring Drinking Water to Millions in Algeria**

ABB is providing an electrical package to the Magtaa desalination plant in Algeria, which when built will be the largest in the world. See full product story at:

<http://www.iwapublishing.com/template.cfm?name=w21prodnews070709b>

### **Siemens introduces point-of-use Advanced Oxidation System for TOC Reduction in Semiconductor Applications**

Siemens has released the Vanox POU system for the removal of TOC from ultrapure water. See full product story at:

<http://www.iwapublishing.com/template.cfm?name=w21prodnews070709c>

### **Many thanks to all who contributed to this issue!**

*If you have items to feature in the Updates, please send it to Solution Exchange for the Water Community at [se-wes@solutionexchange-un.net.in](mailto:se-wes@solutionexchange-un.net.in)*

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