



**Monthly Report  
Global Water Partnership**

**June-August 2013**

**Table of contents**

<b>NewsFlow September 2013</b> .....	2
<b>GWP Regions</b> .....	15
<b>CARIBBEAN</b> .....	15
<b>CENTRAL AFRICA</b> .....	20
<b>CENTRAL AMERICA</b> .....	24
<b>CENTRAL ASIA AND CAUCASUS</b> .....	29
<b>CHINA</b> .....	47
<b>EASTERN AFRICA</b> .....	48
<b>MEDITERRANEAN</b> .....	57
<b>SOUTH AMERICA</b> .....	64
<b>SOUTH ASIA</b> .....	65

NewsFlow September 2013

### **GWP Contributes to Peru's Groundwater Issues**

Overexploitation, contamination, and salinisation of aquifers are among the main problems Peru currently faces in groundwater management. To tackle these issues, GWP Peru, with the financial and technical support of GWP South America, held a workshop on "Groundwater: steps towards adaptive and sustainable management" at the National Water Authority's auditorium in Lima on 9 August 2013.

**Read more.**

Stephen Foster, a GWP Senior Advisor, gave the keynote speech and provided advice to the national water authorities in meetings which took place during the days after the event.

"Governments in general have acted in the short term and usually believe that by improving irrigation efficiency or increasing aquifers' recharge can solve the problems," said Foster. "We have to think adaptive management because the system is very dynamic and there are constant changes... measuring and monitoring are essential; there should be far more investment in these areas," he added.

Foster called for community involvement in groundwater use together with the need to periodically review the rights given on groundwater use due to the changing situation. When asked about the nexus between groundwater and urban water, Foster was clear: "Groundwater should be at the centre of every discussion on urban water."

The Head of the National Water Authority, Mr Jorge Montenegro, highlighted the importance of GWP's contribution, at a time when the Authority is planning on developing a groundwater plan at the national level.

Almost 200 people attended the workshop, which was also streamed live over the internet.

#### **Related Links:**

[Aguas subterráneas, pasos hacia una gestión adaptativa y sostenible](#) – ANA TV, a video report on the workshop

[Taller Internacional de Aguas Subterráneas: María Luisa Baltra Presidenta GWP Sudamérica](#) – ANA TV interview with the Chair of GWP South America

[Taller Internacional de Aguas Subterráneas: Gabriela Grau](#) – ANA TV interview with GWP Senior Network Officer Gabriela Grau

Stephen Foster's presentation is available at <http://www.slideshare.net/GWP-Sudamerica/presentation-stephen-foster-gwp-senior-adviser>

### **New IWRM ToolBox Launched**

Thirteen years after it was first launched, GWP's online database [IWRM ToolBox](#) gets a facelift with more features and easier navigation. **Read more.**

Two Perspectives Papers on groundwater were recently published by GWP, with Dr Stephen Foster as the lead author:

[Urban Groundwater - Policies and Institutions for Integrated Management](#) (2013)

[Groundwater Resources and Irrigated Agriculture](#) (2012)

### **Journalists Take Media Tour in Uzbekistan**

Following the announcement of the photo competition "[Ubiquitous Water...](#)" on 30 July 2013, GWP Uzbekistan jointly with GWP Central Asia and Caucasus, and the Ecological Movement of Uzbekistan, organised a media tour for journalists.

#### **Read more.**

Three presentations were delivered to broadcast and print journalists:

- The role of the Interstate Coordination Water Commission (ICWC) in water resources use of transboundary rivers in Central Asia (Vadim Sokolov, Regional Coordinator of GWP CACENA).
- The waterworks facility operation at the Chirchik River and BWO "Syrdarya" activity on water distribution and regulation (Mr. Ulugbek Baratov, Head of the control station, Verkhne-Chirchiksky waterworks facility).
- National Water Partnership Strategy on IWRM development and implementation and cooperation with mass-media to promote GWP Strategy in Uzbekistan (Mr. Mansur Abduraimov, Chairman of GWP Uzbekistan).

Mr. Vadim Sokolov also gave a television interview about the Green Growth project being implemented with Korea.

The 31 media tour participants discussed further collaboration and ways to raise awareness on the use and protection of water resources among various sectors of society.

#### **Information about this event was published by two newspapers:**

- "Place of water in the Green Growth" (in the newspaper "News of Uzbekistan", in Russian)
- "Modern approaches of water distribution" (in the newspaper "Jamiyat", in Uzbek).

### **GWP Pakistan Facilitates Flood Project**

Over the last five years Pakistan has suffered three major floods. In 2010, the country experienced a super flood which devastated the country, with 2,200 people losing their lives. GWP Pakistan recently helped organise an international conference on flood forecasting.

#### **Read more.**

On 28-29 June, GWP Pakistan organised a conference in collaboration with the Japan International Cooperation Agency (JICA), UNESCO, and the International Center for Integrated Mountain Development (ICIMOD). The conference was part of a major project, initiated by UNESCO, with the aim to upgrade flood forecasting and early warning systems along the Indus River. The project is being

carried out in cooperation with the Government of Japan, and GWP Pakistan helped organize several training workshops connected to the project.

Ahsan Iqbal, Pakistan's Minister for Planning and Development, attended the conference and warned that the country is facing a water management crisis. He stated that there is no water scarcity in Pakistan – the problem is that water resources are not managed properly. "Pakistan has water storage capacity of only seven per cent of total available water in the country, which needs to be improved", he said, according to Associated Press of Pakistan (APP).

According to the minister, the per capita water availability in Pakistan was 5000 cubic meters when the country was created, while in the near future it would be as low as 800 cubic meters per capita. "I hope that with the help of experts we can help solve these problems", Ahsan Iqbal said.

### **Problems and priorities**

The main water issues in Pakistan have been identified to lie both in hardware (development) and software (management) and these must be addressed with equal priorities.

The limited storages are being adversely affected by sedimentation. The existing hydraulic infrastructure suffers from deferred maintenance. The Indus Basin, itself being the largest single contiguous irrigation system, is not fully integrated and this leads to serious inter-provincial water disputes.

Pakistan can be classified as one of the most arid countries of the world, with an average rainfall of 240 mm a year. Its population and economy heavily depends on the annual influx into the Indus System (including the Indus, Jhelum, Chenab, Kabul and some un-captured flows by India of Ravi, Sutlej and Beas rivers) of about 190 BCM of water, mainly derived from snow melting in the Himalayas.

77% of Pakistan's population is located in the Indus basin, and 40 million people depend on irrigation water for their domestic use, especially in areas where groundwater is brackish.

### **Related links:**

[No water scarcity in country: Ahsan Iqbal](#) (Pakistan Today)

[Per capita water availability alarming: minister](#) (The News International)

[Country has serious water problem, reveals minister](#) (The Nation)

### **GWP and OECD Launch Global Dialogue**

Global Water Partnership and the OECD have launched a joint project to establish a Global Dialogue on Water Security and Sustainable Growth. The major output of the cooperation will be a report to be presented at the World Water Forum in 2015 in South Korea.

### **Read more.**

The components of the Global Dialogue will highlight the issue of water security within the Post 2015 Development Framework, and provide substantive material to the UN Open Working Group for the Sustainable Development Goals (SDGs).

The GWP-OECD project was launched at a side event at the World Water Week in Stockholm on 2 September, with GWP Chair Dr. Ursula Schaefer-Preuss introducing the project. The message was clear: Exceptional water challenges require an exceptional response. After centuries of taking water for granted, many countries now acknowledge that water stresses and increasing risks can jeopardize their economies and development gains.

### **High-level Panel**

One of the key elements of the project will be a high-level global dialogue panel, to be co-chaired by Angel Gurría, Secretary General of OECD, and President Ellen Sirleaf Johnson, President of Liberia and UN Goodwill Ambassador for Water and Sanitation.

Speaking at the launch in Stockholm, Mr. Gurría highlighted the economic aspect of the project, but stressed that the perspective has to be wider than that: “If you only look at economics, you will leave out the most vulnerable people and have problem with equity. On the other hand if you only look at equity, then the infrastructure will suffer.”

Mr. Gurría said there has to be a balance, and that the key word is risk assessment: “Knowing and measuring the risks of water will give us the chance to manage it in the future.”

Mr. Bai-Mass Taal, Executive Secretary of the African Ministers' Council on Water (AMCOW), represented President Ellen Sirleaf Johnson at the launch. He said that President Sirleaf Johnson had asked him to convey the message of Africa – that water security is crucial to solving many of Africa’s problems.

“Water is at the center of development, it’s a central driving force behind economic development. Water security in Africa faces a lot of challenges. We have water but we cannot access it, because there is no infrastructure. Only 3 percent of the water resources are being utilized in Africa,” said Mr. Taal.

### **Expert Task Force**

The GWP-OECD project will also involve an Expert Task Force, which will consist of a multidisciplinary team of recognized economists, water managers, and scientists. Their task will be to develop, model and economically assess a set of water security scenarios at the global and selected basin level, with the aim to illustrate and compare alternate strategies and pathways for achieving water security. This task force will be coordinated by Dr. Claudia Sadoff of the GWP Technical Committee.

Additionally, a further set of Country Consultations on water will be organized by GWP. These consultations will feed questions and information into the policy process.

Dr. Claudia Sadoff said that the task force has a complicated and difficult job ahead, with organizing and coordinating a substantive research programme.

“The structure of the task force will be to work from risk based perspective: we will document economic costs and risks associated with water, and then we will look at trade-offs and benefits.”

Addressing the question on how to move from plan to action in the GWP-OECD project, Mr. Gurría explained that the task force will not be starting from scratch. There are already policies in place, but examples are scattered all over the place. The big task at hand will be to look at what works, and what doesn't.

### **GWP Launches New IWRM ToolBox** (*hyperlink from Green Box*)

Thirteen years after it was first launched, GWP's online database [IWRM ToolBox](#) gets a facelift. It is not the first time a change is made, but it is the most radical. The new version, now integrated with the main GWP website, has more features and is easier to navigate.

The IWRM ToolBox is a free and open database with a library of background papers, policy briefs, technical briefs and perspective papers, as well as huge sections of case studies and references – all aimed at people with an interest in improving the way water resources are managed.

The ToolBox was first launched in 2000, coinciding with the 2nd World Water Forum in The Hague. At the time, it was GWP Patron, then HRH the Prince of Orange of the Netherlands - now the King of the Netherlands – who “pushed the button”.

Since then a lot has happened and a major revitalisation took place in 2008.

### **Version 3.0**

The official launch of the new and improved IWRM ToolBox website took place on stage in the exhibition hall on Monday 2 September. On site to handle the launch was Dr Danka Thalmeinerova, Senior Knowledge Management Officer at GWP. She is also the person in charge of the IWRM ToolBox.

“This is the 3.0 version”, says Thalmeinerova. She described the re-launch as part of a periodic maintenance work of the website.

“Every website needs regular updates and this is the main reason behind the new design – we wanted to create a more user friendly site. Although the IWRM ToolBox is preliminary used to gather knowledge, which traditionally comes in writing, we now also want to give it supplementary features such as videos and news in so-called “push areas”. We want it to be easy to navigate and to see what is new, not only within the GWP network but also in the broader environmental management community”.

There are currently around 200 case studies uploaded on the website. These illustrate concrete examples of IWRM practice all over the world. Over the years, the IWRM ToolBox has grown and evolved, and it continues to do so.

“The content is gradually moving away from theoretical descriptions of the basic IWRM principles towards concrete implementation of good practices in water management. There are also new case studies that are developed by experts outside of water management. This is a good signal of integration being ‘digested’. It is still a challenge to document integration sectors in many parts of the world, and I believe that the IWRM ToolBox will help practitioners to step out of the water box”, says Dr Thalmeinerova.

### **Daily updates**

The IWRM ToolBox is maintained on a daily basis by experienced staff. Dr Danka Thalmeinerova says that this gives credibility to the content of the site and guarantees that all the information and knowledge is safe to use as a primary source.

“Recently the Mekong River Commission developed a training manual for their staff which builds on the IWRM ToolBox structure and resources”, says Thalmeinerova.

Many universities have shown an interest in using the IWRM ToolBox in their education curricula and for tailored short courses for practitioners.

“A lot of focus will now be put on providing assistance to these universities. A section for Critical Challenges is now fully developed, bringing forth some the key development issues that require urgent attention,” says Thalmeinerova.

The [IWRM ToolBox](#) is also available in Spanish, and French is coming soon.

### **Rhine River Wins European River Prize**

The winner of the first IRF European River Prize is the Rhine River. The winner was announced at the [European River Restoration Conference](#) in Vienna on 12 September 2013. GWP is one of the organisers and financial sponsors of the prize.

#### **Read more.**

The River Rhine received the award for successful results in implementation of integrated river basin management. The Rhine River has changed from a devastated sewage channel to a living river. This took more than 50 years of significant investments and political commitments of five well economically developed countries.

Gheorghe Constantin, Water Director of Romanian Ministry of Environment, said in his introductory speech: “River restoration is difficult financially, but even more difficult politically. Restoring floodplains also means to give up economic (industry or agriculture) activities in favour of the ecosystem. In addition, river restoration investments compete with other water infrastructure investments.”

In 1986, the International Commission for the Protection of the Rhine (ICPR) was established. This allowed for a coordinated involvement of stakeholders in the basin that have successfully implemented urban wastewater management strategies and dramatically improved the water quality

of the Rhine. In the past 15 years, the adoption of new, integrated policies has also resulted in the restoration of a substantial area of floodplains in the densely populated Rhine delta.

The European Riverprize event was initiated by the International Commission for Protection of Danube Basin (ICPDR) together with the European River Restoration Centre (ERRC) and International River Foundation (IRF). In 2012, GWP committed to be one of the organising partners to the prize.

The conference gathered more than 250 participants from about 30 countries.

### **Workshop Held on Building Climate Resilience in the Nile Delta**

GWP Egypt and the Delta Alliance jointly organised a workshop in Cairo in June within the framework of the [‘Enabling Delta Life’](#) initiative. The main aim was to identify elements of a programme that can complement and add value to on-going activities in the Nile delta.

#### **Read more.**

The country level pilot projects will form an important component of GWP’s Global Delta Governance Programme. The objectives of the workshop in Egypt on 16-17 June were to come up with key objectives and outcomes for the country-level pilot activity and to identify key partnerships.

Being one of the world’s most influential Deltas, the Nile Delta has its specific challenges and vulnerabilities. It covers 240 km of Mediterranean coastline—and is a rich agricultural region. From north to south the delta is approximately 160 km in length. The Delta begins down-river from Cairo and about half of Egypt’s 80 million people live in the Delta region.

The discussions during the workshop pointed at a very important “niche” in building climate resilience in Egypt. Much work has been done already at regional and national level, but a lot of attention is still required for: “how the farming community can deal with future water shortage”.

The outputs of the workshop will be transformed in a concrete project proposal for pilot activities in Egypt. Proposal preparation will be coordinated by Dr. Khaled Abu Zeid in his capacity as country GWP representative, in close cooperation with Dr Mohamed Abdel Motaleb, the Head of the Egypt Wing of the Delta Alliance.

‘Enabling Delta Life’ is a collaborative initiative for water management and governance in deltas between GWP and the [Delta Alliance](#), supported by the Netherlands Ministry of Development Cooperation.

[A Delta Alliance report on the workshop is available to download in pdf format.](#)

### **More Voices from the GWP Network**

During the last week of August, representatives from GWP from across the world gathered in Stockholm to discuss the strategies of the network, past and future. Some of the voices from the network can be heard in [GWP’s video library](#) – 13 new video features voices spanning from South East Asia to the Caribbean.

The aim of the videos is to collect reflections from around the GWP network on current water issues facing the regions.

GWP held its annual [Network and Consulting Partners meetings](#) on 1 September 2013. During this year's [Annual Lecture](#) at the Consulting Partners meeting, Ambassador Robert F. Van Lierop gave a speech addressing climate change adaptation. [His full speech](#) can also be viewed in GWP's video library.

#### **More GWP News**

[Call for Water Cooperation at Dushanbe Conference](#)

[Gambian Journalists Activated in UN Water Law Ratification](#)

[Botswana Youth Heard on Youth Strategy](#)

[Food and Water Experts Establish Dialogue in Central America](#)

[GWP at World Water Week in Stockholm](#) (Need to add hyperlink)

#### **More GWP News**

[Annual Lecture: "Adaptation Issues Affect Everyone"](#)

[Meet GWP at World Water Week 2013](#)

[Call for Water Cooperation at Dushanbe Conference](#)

[GWP Expands Support for IWRM Studies – Apply Now!](#)

[Gambian Journalists Activated in UN Water Law Ratification](#)

[Botswana Youth Heard on Youth Strategy](#)

[Food and Water Experts Establish Dialogue in Central America](#)

[Successful Training on International Water Law in Dundee](#)

[GWP Supports Wind Energy Projects in India](#)

[GWP Knowledge Resources Used in IWRM Online Course](#)

#### **GWP in the news**

[GWP Chair Ursula Schaefer-Preuss interview with UBrainTV](#)

[GWP Highlights the Economic Value of a More Water Secure World](#) (Water Policy & Practice, IISD Reporting Service)

[GWP Policy Brief Addresses Integrated Urban Water Management](#) (Water Policy & Practice, IISD Reporting Service)

[GWP Examines Role of International Law in Transboundary Water Cooperation](#) (Water Policy & Practice, IISD Reporting Service)

["Thinking outside the water box": Ursula Schaefer-Preuss](#) – a video interview with GWP Chair Dr. Ursula Schaefer-Preuss by Thomson Reuters Foundation.

['Water issues in villages getting worse'](#) (Sri Lanka Sunday Observer)

[Interview with Margaret Catley-Carlson](#), a video of current patron and former chairperson of GWP and member of the IFDC Board of Directors. She discusses various areas of water stewardship related to agricultural development – by IFDC.

[Water Fuels Conflicts](#) – GWP Senior Knowledge Management Officer Danka Thalmeinerova interviewed by radio station The Voice of Russia

[Water Security in South Asia: Running Dry?](#) – Interview with Dr. Uma Lele of GWP Technical Committee

[Article on GWP CACENA GGGI/green growth initiative](#) - in Russian (sreda.uz)

[Climate Change Threatens Caribbean's Water Supply](#) (Associated Press)

[Climate change threatens Caribbean's water supply](#) (Boston.com, story by Associated Press)

[Caribbean Water Supplies Severely Threatened By Climate Change, Scientists Warn](#) (HuffPost Green, story by Associated Press)

[Climate Change Threatens Caribbean's Water Supply](#) (ABC News, story by Associated Press)

[Climate Change Threatens Caribbean's Water Supply](#) (NY Times, story by Associated Press)

[Climate change threatens Caribbean's water supply](#) (The Economic Times, story by Associated Press)

[Gambia: Media Practitioners Sensitised On UN 97 Trans-Boundary Watercourse Convention](#) (The Point)

[Gambia to Ratify UN97 Transboundary Watercourses Convention](#) (Foroyaa Newspaper)

[Nigerian, other African journalists explore water financing](#) (EnviroNews Nigeria)

[West African journalists get training in water financing and resource protection](#) (Ghana Business News)

[The water quality of the Danube river has improved since measures to reduce pollution have been implemented](#) (Balkans Business News)

[Troubled Danube's waters, not up to standards yet](#) (Phys.org)

[No water scarcity in country: Ahsan Iqbal](#) (Pakistan Today)

[Per capita water availability alarming: minister](#) (The News International)

[Country has serious water problem, reveals minister](#) (The Nation)

[Rwanda: Water Body Calls for More Collaboration](#) (AllAfrica.com)

[Gozo workshop held on promoting the efficient use of water](#) (Gozo News.com)

[Water: the Connecting Link to Climate Change Adaptation](#) (Climate Adaptation Blog)

[Water: The Connecting Link To Climate Change Adaptation](#) (Gh WASH Times)

### **Vacancies**

[GWP has a vacancy for a Programme Officer in Tunis, Tunisia](#) – deadline for application 20 September 2013

### **Coming events**

23-24 September 2013, [River Basin Commissions and Other Joint Bodies for Transboundary Water Cooperation: Legal and Institutional Aspects](#), Geneva

23-24 September 2013, [The 16th International Riversymposium](#), Brisbane, Australia

29 Sept – 5 Oct 2013, [ICID- 1st World Irrigation Forum, Mardin](#), Turkey

29 Sept 2013, [World Rivers Day](#)

10-11 Oct 2013, [The 9th High Level Session \(HLS\) of Caribbean Water Ministers](#), Barbados.

14-17 Oct 2013, [3rd IWA Development Congress and Exhibition](#), Nairobi, Kenya

17 Oct – 14 Nov 2013, [Introduction to NASA Remote Sensing Data for Water](#), NASA ARSET Webinar

8 November 2013 [Water and Green Economy Conference](#), London, UK

19-21 February 2014, [Gender, Water & Development Conference](#), East London, South Africa

13th–15th May 2014, [The Third International Conference on Water Resources and Environmental Management \(ICWRE-2014\)](#), Antalya, Turkey

1-5 June, 2014, [Singapore International Water Week](#), Singapore

30 June – 2 July, 2014, [2014 Summer Speciality Conference: IWRM From Theory to Application](#) in Reno, Nevada, USA.

### **New Resources**

[New GWP Policy Briefs on Urban, Transboundary and Economic Water Issues](#)

[New GWP Perspectives Paper on Urban Groundwater](#)

[New publication: Global Water Challenge Center on India and China](#)

[Water Security for Better Lives](#) - This OECD publication examines the critical issues surrounding water security, providing a rationale for a risk-based approach and the management of trade-offs between water and other policies.

[Water and Climate Change Adaptation Policies to Navigate Uncharted Waters](#) - This new OECD report sets out the challenge that climate change poses for freshwater and provides guidance to policy makers on how to improve the efficiency, timeliness and equity of adaptation responses.

[“Capacity Development to support National Drought Management Policies”](#) – (in pdf format), a Summary Report of the 1st Regional Workshop of UN-Water Initiative on National Drought Management Policies (Bucharest - July 2013)

[China's 'Soft Path' to Transboundary Water Cooperation Examined in the Light of Two UN Global Water Conventions - Exploring the 'Chinese Way'](#) – (in pdf format) by GWP Technical Committee Member Patricia Wouters and Professor Huiping Chen of Xiamen University School of Law

[Mapping of Financial Support to Transboundary Water Cooperation in Africa](#) – A new report from the Africa Working Group of the EU Water Initiative, hosted by SIWI.

[Dundee UNESCO Centre Launches UN Watercourses Convention Interactive Learning Website](#)

[World's Largest Water Risk News Database -- aquaNOW – Debuts](#) (Ooska News)

[Conflict Resolution and Negotiation Skills for Integrated Water Resources Management, by Larry Swatuk](#) - Academia.edu is a platform for academics to share research papers

[Use of wastewater to supplement world's strained water supplies likely to increase](#) (E&E Publishing)

[Climate change impacts on water resources management: adaptation challenges and opportunities in Northeast Brazil](#) – A report by the World Bank

[Can Rainwater Harvesting Promise Water Security? By Srinivas Mudrakartha](#), Academia.edu is a platform for academics to share research papers

[Water - The Infographics Show](#), a video about water

[Managing waters shared across national boundaries: Treasury of papers helps capture 20 years of lessons](#), a collaboration of the Global Environmental Facility's IW:LEARN project and the UN University's Canadian-based Institute for Water, Environment and Health, the special open-access volume includes a treasury of articles available with open public access until the end of 2014

[The World We Want 2015 Water Thematic Consultation](#), a report incorporating hundreds of contributions provided during the "World We Want" consultations (UN Water)

[United Nations Bimonthly Publications Review on water and sanitation](#) (UN)

[Integrated Water Resources Management in a Changing World](#), a book presenting an overview of the main contributions at the international conference 'Management of Water in a Changing World: Lessons Learnt and Innovative Perspectives', 12-13 October 2011 in Dresden, Germany.

[Eugene Z. Stakhiv: Lessons Learned & Emerging Concepts for Applying IWRM - US vs International Perspectives](#), from WaterWired, a forum on freshwater by Michael E. Campana

[Using Modern Decision Support Systems for Evidence Based Policy Making in IWRM in Developing Countries](#), from Environmental Expert

### **Calls**

[Call for papers: International Conference on Water, Research and Heritage, 29 Nov-5 Dec 2013](#) – (link in pdf format) deadline for abstracts 30 September 2013

[Call for Candidates: GWP is Seeking Nominations and Applications for its Technical Committee](#), deadline 14 October 2013

[Photo competition "Ubiquitous Water..." in Uzbekistan](#) - GWP CACENA and the Ecological Movement of Uzbekistan have announced a photo competition. The deadline to participate is 15 October 2013.

GWP Central Africa organises the first edition of the journalism award [Water and Climate Change in Central Africa](#), deadline 30 October 2013

[Call for Papers, Water Resources Development \(IWRM\)](#) IW: Learn. Deadline: 30 October 2013

### **Water in the News**

[Irrigation: 11 thoughts on sustainable water use in agriculture](#) (The Guardian)

[Huge Aquifers Are Discovered in North Kenya](#) (NY Times)

[China must manage the conflict between coal and water](#) (The Guardian)

[Managing Water Across Boundaries](#) (The Water Blog, worldbank.org)

[Fixing Fukushima's water problem](#) (Bulletin of the Atomic Scientists)

[Return of bogs in Britain?](#) (The Telegraph)

[Shell South African Shale Drive Riles Farmers Over Water: Energy](#) (Bloomberg News)

[Fire and Water: China's Looming Coal Problem](#) (Bloomberg News)

[Why We Need Dams — and a Sustainable Path Forward](#) (Human Nature, Conversation International Blog)

[India must stop viewing disasters as acts of God – report](#) (Reuters)

[For a water-sensitive city](#) (The Hindu)

[Fukushima's radioactive ocean plume due to reach US waters in 2014](#) (NBC News)

[World Water Week: UN deputy chief urges greater international cooperation on sanitation](#) (UN News Centre)

[The Ogallala Aquifer, an important water resource, is in trouble](#) (The Kansas City Star)

[Breeding tough new vegetables to resist drought](#) (Horizon – the EU Research & Innovation Magazine)

[World set to use much more wastewater - U.N.-backed study](#) (Reuters)

[5 Myths About China and the Environment](#) (News Watch, National Geographic)

[No water, no beer: Brewers race to save the ales](#) (NBC News)

[World Water Week 2013: Open Defecation Must No Longer Be Taboo Topic](#) (Huffington Post)

[How High Tech is Helping Bring Clean Water to India](#) (Yale Environment 360)

[The Real Future of Clean Water](#) (The New York Times, Opinion Pages)

[Transboundary aquifers feel the strain](#) (Environmental Research Web)

[Volta River Basin needs new water strategy - study](#) (Thomson Reuters Foundation)

[The driving force of nature](#) (Thomson Reuters Foundation)

[EU Council conclusions on EU water diplomacy](#) (EU Council)

[Innovation for Clean Water in Africa](#) (Huffington Post)

[Water a Key Issue as Developing Countries Drive Growth in Global Food Production](#) (Circle of Blue)

[Leaked report sparks disagreement between Egypt and Ethiopia over dam](#) (Nature Middle East)

[Ban Ki-moon: development aid decline a cause for concern](#) (The Guardian)

[Breaking India's Cycle of Waste and Risk](#) (Circle of Blue)

[Fracking runs "high risk" of polluting countryside, Government report warns](#) (Mirror News)

[E-book on Qatar water challenges launched](#) (Gulf News)

[Warmer climate will hit Volta river levels](#) (Climate News Network)

[Water issues in Armenia](#) (The Armenian Reporter)

['The real threat to our future is peak water'](#) (The Guardian: Global Development)

[Study suggests water management plan](#) (The Times of India)

[A majority of the world could face water shortage within one or two generations](#) (Free Speech Radio News)

## GWP Regions

### CARIBBEAN

#### Activities

#### GWP-C Signs MOU with CARICOM to Strengthen Regional Water Cooperation

The Global Water Partnership-Caribbean (GWP-C) has entered into a Memorandum of Understanding (MOU) with the Caribbean Community (CARICOM), formalising a collaborative relationship for addressing regional water priorities.

The MOU signifies a building block for change as there is undoubtedly a need for greater cooperation on water-related issues in the region. Both organisations foresee the potential positive impact this relationship will have as they share the overall objective of improving water governance in the region.



Though the GWP-C and the CARICOM have worked together in the past, the MOU between the entities will formalise their affiliation as strategic regional partners; a partnership that intends to facilitate the exchange of relevant information and the harmonisation of their work programmes.

A major benefit of this synergy is the mutual commitment both agencies have in mobilising greater political will for the development and implementation of regional approaches/policies for water sector management in the Caribbean. GWP-C has over the years taken a proactive approach to addressing the water resources management problems in the region by co-convening an Annual High Level Session (HLS) for Caribbean Water Ministers with its partner, the Caribbean Water and Wastewater Association (CWWA). The HLS which is the only meeting of its kind in the Caribbean brings together Ministers and senior officials in water resources management to share experiences and ideas for addressing water sector needs in the region.

By way of the MOU, the GWP-C has agreed to include the CARICOM as a key consultative partner in the development and execution of its Annual HLS Ministerial Forum. This means that the Forum's objectives will be more closely and clearly aligned with regional water development priorities.

Another connection between the GWP-C and the CARICOM that is important to note is their aim to deal with regional water issues in a coordinated manner. GWP-C and the CARICOM both see the value in bringing together stakeholders at the national and regional level to contribute to better water management. In this regard, the CARICOM has taken steps to establish a consortium of CARICOM institutions on water and are working towards creating a common water framework in the region.

This common water framework ties seamlessly into GWP-C's efforts to support Caribbean countries in the management of their water resources by the promotion of an Integrated Water Resources Management (IWRM) approach. As a member of the consortium and now a key strategic partner of the CARICOM, GWP-C will help to support the work of the consortium and the programmatic linkages embodied in the common water framework for the region.

The MOU also aims to spur joint programmes between both agencies to strengthen the adaptation and adoption of IWRM plans and policies for the Caribbean and foster greater communication between the GWP-C and the CARICOM on IWRM progress in the region. Furthermore, both organisations through the MOU will also enter into joint fundraising activities of regional strategic significance on water.

The future outcomes of the MOU are promising and represent a bold step by the GWP-C and the CARICOM in addressing regional water security. It also highlights that partnerships play an important role in effective water governance and there is a need for more of them in the Caribbean.

### **GWP-C Inspires Caribbean Journalists to Report on Water**

On August 22<sup>nd</sup>, 2013, Global Water Partnership-Caribbean (GWP-C) revealed the winners of the second installment of its Media Awards on Water. Launched in March 2012, the competition aims to inspire Caribbean journalists to report more on water and also to commemorate the United Nations' World Water Day which is observed on March 22<sup>nd</sup> each year.



Journalist and Station Manager at GTC Radio in Grenada, Mr. Milton Coy, claimed the top spot in this year's competition. Mr. Coy's radio submission comprised of a series of public awareness programmes under the themes "Water Conservation and Best Practices in Water Management." The series of radio programmes which were hosted by Mr. Coy were aired during the week of World Water Day (WWD) and were used to creatively build awareness on WWD and how the Grenadian public could play a part in water

conservation.

Mr. Milton Coy

The competition's judging panel consisted of a mix of Caribbean experts and professionals which included Professor Henry Smith, Director of the Water Resources Institute of the University of the Virgin Islands; Dr. Riad Nurmohamed, Lecturer, Researcher and Head of Department of the Anton De Kom University of Suriname; Mr. Timothy Austin, Public Relations Officer of the Guyana Water Incorporated; Dr. Maria Protz, Communication for Development Consultant based in Jamaica; and Mr. John Bowleg, Hydrologist at the Water and Sewerage Corporation of The Bahamas.

According to the judges, Mr. Coy's radio submissions were "relevant, creative, fresh and insightful." The judges felt that the various programmes covered water issues that would get the general public's attention and that key messages were clearly communicated. The panel also recognised Mr. Coy's ability to touch on several water related issues in different ways through interviews and call-in sessions. As the winner of the competition, Mr. Coy will receive the first place award and a cash prize.

This year's GWP-C Media Awards on Water called for media practitioners in the areas of print, television, radio and multi-media to submit original, published works on themes such as Water Cooperation in the Caribbean; Water Conservation; Water and Environment; Water for All; Water Financing; Climate Change; Integrated Water Resources Management (IWRM); among other water related topics.

After careful deliberation by the judging panel, the following entrants were deemed worthy of Honourable Mention:



Mr. Desmond

Mr. Desmond Brown based in Antigua, a Caribbean Contributor for the Inter Press Service for his print submissions under the themes “Climate Change; Water and Environment; and Best Practices in Water Management.” His print pieces explored a new initiative that incorporates information on weather and climate into farm processes; and steps taken by the United Nations to highlight water both as an asset and a resource as well as potential actions by the tourism industry to face up to the water challenge.

In another article, he also examined steps to be taken by a water utility in the region to improve water efficiency. The competition’s judges stated that Mr. Brown’s print submissions were all very informative and that he made great use of evidence-based journalism techniques.



Dr. Soerinder

Dr. Soerinder Badal from Suriname, the Public Relations Coordinator for Overliggend Waterschap MCP (Overlying Waterboard MCP) for his multimedia submission under the theme “Water Cooperation Initiatives.” His submission highlighted initiatives of the Waterboard in Suriname in bringing various stakeholders together at the national, regional and international level for better water management.

The short documentary also captured the work of the Waterboard in commemorating World Water Day and 2013 as it has been declared the International Year of Water Cooperation by the United Nations. The judges felt that this entry was engaging and of a high quality. Mr. Brown and Dr. Badal will each receive a cash prize and a trophy.

### Presentation of Prizes

During the month of September, GWP-C will receive the support of three (3) of its partners to facilitate the presentation of prizes to the winners in its 2013 Media Awards on Water. The National Water and Sewerage Authority (NAWASA) of Grenada will present the winner, Mr. Milton Coy with his prizes on GWP-C’s behalf.

Similarly, Honourable Award Mention awardee, Mr. Desmond Brown will be presented with his prizes by GWP-C’s partner, the Antigua Public Utilities Authority (APUA) and Dr. Soerinder Badal will be presented with his prizes by GWP-C’s partner, the Anton De Kom University of Suriname.

### GWP-C Welcomes New Chair



Ms. Judy Daniel -  
GWP-C Chair

July 2013 saw the election of a new Chair of the Global Water Partnership-Caribbean (GWP-C), Ms. Judy Daniel, ending a successful three-year Chairmanship under Mr. Trevor Thompson.

Ms. Daniel is an Attorney-at-Law and Environmental Manager with over thirty (30) years specialist experience in environmental law combining skills in water resources policy and institutional development; environmental planning; environmental law litigation; environmental impact assessments training; and regional and international legal matters.

She is currently the President of the Environmental Advisors Inc.; one of the first Caribbean consulting firms that concentrates on sustainable development law; an organisation that has been a partner of the GWP-C since 2009. Ms. Daniel has also served on the GWP-C Steering Committee for the past year.

### GWP-C Chair Elected Chair of Regional Chairs of the GWP Network

Following her election as Chair of the GWP-C, Ms. Daniel formed part of the GWP-C team represented at the Regional Meetings and the Consulting Partners Meeting convened by the Global Water Partnership (GWP), held in Stockholm during the period August 27<sup>th</sup> - September 1<sup>st</sup>, 2013. The GWP Consulting Partners Meeting brings together its partners of the thirteen (13) regions in the network to monitor the strategic direction of the organisation as set out in the global strategy.



Ms. Judy Daniel, Chair of the Global Water Partnership-Caribbean (GWP-C) [left] is seen here with Dr. Ursula Schaefer-Preuss, Chair of the Global Water Partnership (GWP) [right] at the 2013 GWP Annual Consulting Partners (CP) Meeting in Stockholm, Sweden on September 1<sup>st</sup>, 2013. Ms. Daniel's was announced as the new Chair of Regional Chairs of the GWP at this Meeting.

During the GWP Regional Meeting held on August 28<sup>th</sup>, 2013, Ms. Daniel was elected amongst the 13 Regional Chairs of the GWP network to hold the permanent observer position of Chair of Regional Chairs. This means that she will be responsible for representing the Regional Chairs in the GWP Steering Committee, as well as represent regions in various fora where necessary. Ms. Daniel will serve in this position for two (2) years and takes over from Dr. Hama Diallo, former Chair of GWP-West Africa who's term ended this year.

### GWP-C in the Media

#### GWP-C Contributes to Associated Press (AP) Article that Goes Viral

"Climate Change Threatens Caribbean's Water Supply" was the title of an article published on September 6<sup>th</sup>, 2013 by the well-known international news agency, the Associated Press (AP). The article, which continues to be shared by several regional and international media houses, saw the contributions of the Global Water Partnership-Caribbean (GWP-C) and some of its partners on the issues of climate change in the region.

The AP correspondent, who produced the story, contacted the GWP-C Secretariat weeks



leading-up to the release of the article, having found information on the GWP-C and its work online and felt that the organisation would be able to make a valid contribution.

The journalist conducted a short interview with Ms. Avril Alexander, Regional Coordinator of the GWP-C who is quoted in the article and also asked GWP-C to provide a list of its regional partners who would be able to provide input on the topic. To read the article, click on the following link: <http://bigstory.ap.org/article/climate-change-threatens-caribbeans-water-supply>.

In addition to GWP-C being referenced in the article, quotes of experts from GWP-C's partners, the Caribbean Water and Wastewater Association (CWWA), the Caribbean Institute for Meteorology and Hydrology (CIMH) and the Caribbean Water and Sewerage Association Inc. (CAWASA) are also featured in the AP article.

Some of the international news agencies that carried the story included: The New York Times, The Huffington Post, ABC News, Yahoo News, The Times of India, CTV News in Canada, Fox News, among others.

#### **Immediate Outcomes:**

- Following the release of the article, the GWP-C Secretariat has been contacted by two (2) international media houses for television interviews and a live panel discussion on the issue of climate change and its impacts on water resources in the Caribbean.

#### **Coming Events**

##### **Regional Consultation Workshop on Online Caribbean Climate Tool for Water**

The Global Water Partnership-Caribbean (GWP-C) in collaboration with the Caribbean Community Climate Change Centre (CCCCC) will host a Regional Consultation Workshop to get stakeholder feedback on the application of the CCCCC's Caribbean Climate Online Risk and Adaptation Tool (CCORAL) to the water sector through the development of the CCORAL-Water.

The CCORAL-Water initiative is being implemented by the GWP-C and HR Wallingford in collaboration with the CCCCC and is funded by the Climate and Development Knowledge Network (CDKN). The one-day workshop which will bring together high-level representatives from the water sector in the Caribbean, takes place on September 18<sup>th</sup>, 2013 in Barbados.

##### **9<sup>th</sup> High Level Session (HLS) Ministerial Forum**

The Global Water Partnership-Caribbean (GWP-C) in partnership with the Caribbean Water and Wastewater Association (CWWA) and the Global Environment Facility's Caribbean Regional Fund for Wastewater Management (GEF-CReW) will host the 9<sup>th</sup> High Level Session (HLS) Ministerial Forum.

The event which takes place on October 10<sup>th</sup> and 11<sup>th</sup>, 2013 in Barbados, will be held under the auspices of Dr. The Honourable David Estwick, Minister of Agriculture, Fisheries, Food and Water Resources Management through the support of the Barbados Water Authority (BWA). The Forum, which targets Caribbean Ministers and senior officials involved in water resources management will focus on the following theme this year: *"Water and Sanitation and the Post-2015 Development Agenda: Addressing Wastewater Policy and Financial Challenges in the Caribbean."*

##### **GWP-C Prepares to Launch its Caribbean Water and Climate Programme**

The Global Water Partnership-Caribbean (GWP-C) plans to officially launch its Water, Climate and Development Programme (WACDEP) for the Caribbean, on October 10<sup>th</sup>, 2013 in Barbados following the closure of the first day of the 9<sup>th</sup> High Level Session (HLS) Ministerial Forum.

To roll out the WACDEP for the Caribbean, the GWP-C has partnered with the Caribbean Community Climate Change Centre (CCCCC) which aims to directly support the Caribbean Community's (CARICOM's) agenda on climate change. GWP-C sees that its WACDEP will add critical depth to the Regional Framework for Achieving Development Resilient to Climate Change and will help to address important gaps in climate change information and research with respect to water resources in the Caribbean.

### **GWP-C to Share Knowledge on Water Issues at Science and Technology Festival**

Global Water Partnership-Caribbean (GWP-C) will be participating in the largest and longest running Science and Technology Festival in the Caribbean in October. The event which is called 'Sci-TechKnoFest' has been held biennially since 1997 and is put on by GWP-C's partner, the National Institute of Higher Education Research, Science and Technology (NIHERST). The Festival takes place in Trinidad and runs from October 1<sup>st</sup> - 20<sup>th</sup>, 2013. GWP-C will have an exhibition booth at the Festival aimed at raising awareness on Rainwater Harvesting (RWH) in the Caribbean and water conservation. GWP-C's Rainwater Harvesting (RWH) model along with other knowledge products will be displayed at the event which is open to the general public.

## **CENTRAL AFRICA**

### **REGIONAL WORKSHOP OF CONSOLIDATION OF THE COUNTRY'S FOLLOW-UP TO THE SHARM EL SHEIKH COMMITMENTS REPORTS, DOUALA (Cameroon), July 2013 15-16**

#### **Introduction**



From 15 to 16 July 2013 a workshop was held by GWP-CAf, on the initiative of ECCAS, at Douala (Cameroon), the regional workshop of consolidation of the countries reporting in follow-up to the commitments of Sharm El Sheikh.

Participated in this meeting the following countries: Cameroon, Chad, Democratic Republic of the Congo, Central African Republic, Gabon represented by focal points of the Pan-African

system of monitoring and assessment for water and sanitation, as well as the representatives of the economic community of the States of Central Africa (ECCAS), the Global Water Partnership - Central Africa (GWP - CAf) and the Commission of the African/Africa Union, and the Executive Secretariat of the Council of Ministers Africans of water (AMCOW). The focal points of the Republic of the Congo, Equatorial Guinea and Sao Tome and Principe were unable to make the trip.

## **Objective**

The objective of the meeting was to review the reports of the eight member countries of ECCAS (Cameroon, Congo, Gabon, Equatorial Guinea, Central African Republic, Democratic Republic of Congo, Sao Tome and principle, Chad) on the progress made in the implementation of the Sharm El Sheikh commitments and amendments of form and background prior to transmission to the AMCOW for onward transmission to the Commission of the African Union. Specifically, they were: Review and finalize the country reports; Share the experiences and lessons learned by the various focal points of the Pan-African system of monitoring and evaluation in the preparation of the country reports.

## **Methodology**

Experts of GWP-Caf constituted the Commission's analysis of the country reports. The approach to the analysis of country reports, consisted of the use of a calculation technique based on percentages and verification of compliance between the informed and the indicators expected. The analysis of these various reports noted the absence of information sources has a problem of knowledgeable data reliability. The GWP-CAF advised for each country a bibliography and encouraged the focal points to get closer to some institutions and partners who have a rich documentation on the sector water and sanitation of the ECCAS member countries.

## **Recommendations**

Among many recommendations addressed to ECCAS, AMCOW and countries, participants has recommended that GWP-CAF Accompany the Member States of ECCAS in the drafting of national reports on the progress made in the implementation of the commitments of Sharm El Sheikh.

## **Steering committee of GWP-Cmr 12 - 13 august 2013**

Cameroon was one of six African countries that benefited from the Global Water Partnership Organisation facilitated Dutch funded program called the Dutch Initiative (DI) or the second Partnership for Africa Water Development (PAWD II). Within the framework of the implementation PAWD II in Cameroon, the Cameroon Country Water Partnership (GWP-Cmr) was created in June 2005 with mission to support the government of Cameroon in sustainable management of the country's water resources.

Unfortunately, since the end of the PAWDII program in Cameroon in December 2009 the two main structures of the Cameroon CWP have not been able to meet, like many other CWP of the GWP network created within the framework of donor funded programs. This raised concerns about the sustainability of these CWPs within the GWP network. Thus as part of its 2009 – 2013 strategy, and within the context of the recently launched Water, Climate and Development Program (WACDEP), the GWP network envisaged to strengthen the Cameroon CWP so it is self-financing and sustainable beyond the lifespan of donor funded projects.

As part of the activities within the implementation of WACDEP in Cameroon, the two main organs of the Cameroon CWP, the Steering Committee and the Council of Partners met in Douala from the 12th

– 14th of August 2013 with objective to revive the CWP through restructuring of its management organs, agree on a self-financing and sustainability strategy, and discuss the work plan and implementation strategy for the WACDEP in Cameroon. The meeting brought together representatives of 26 partner institutions from around the country.

At the end of these meetings, a strategy for the CWP for the period 2014–2020 and a work plan for 2013/2014 were adopted, and the structures of the CWP were reorganized.

The CWP 2014 – 2020 strategy is centred on the following three interlinked strategic goals:

Goal 1: Strengthening the Cameroon water partnership

Goal 2: Supporting policy development and implementation

Goal 3: Sharing water knowledge

It was agreed that priority will be on Goal 1, especially with respect to ensuring the financial and thus operational sustainability of the Cameroon CWP. One key strategic objective linked to this first goal is that GWP-Cmr will, as a minimum, aim to match the funding received from GWPO and GWP-CAF by 2020. GWP-Cmr will seek strategic alliances with development and financing partners, broaden its membership base and make all its statutory organs functional. The final adopted strategy document is attached.

In the short-term (2013/2014), activities will be centred on restructuring the CWP for sustainability, outreach, project proposal development and the establishment of a skills database of partners and experts for improved collaboration and coordination.

One key outcome of the meeting was the restructuring of the Council of Partners and Steering Committee by organizing the partners in stakeholder groups called “colleges”, with each college electing and designating one representative to the Steering Committee. Table one below presents the eight stakeholder colleges adopted by the partners, and the elected representatives for each stakeholder college and the organization they represent. The representatives of colleges were elected in line with criteria that involved educational background and fundraising and project writing experience and capacity. Thus, the current GWP-Cmr SC is made up of seven members, three of them being new.

### **WACDEP Coordination Unit in Africa’s mission to support the implementation of the programme in Central Africa and Cameroon**

The WACDEP Africa Coordination Unit and GWP Central Africa held a 3 day planning meeting in Yaounde from the 10<sup>th</sup> to the 13<sup>th</sup> of July 2013. The objectives of the meeting were as follows:

1. To define the outputs being delivered under the 4 Components and 8 WACDEP Work Packages
2. To update the Central Africa Work Plan based on the defined outputs and deliverables and proposed timelines
3. To discuss and finalise the project implementation structures for WACDEP in Central Africa

## **Outputs for the WACDEP Central Africa Work Plan**

Focused on the Regional and country Work Plan looking at the Central Africa activities. The aim of the meeting was to have a clear understanding of the outputs and deliverables under each Work Package and also the delivery mechanisms to achieve them.

### **Implementation of WACDEP in Cameroon towards partnership and sustainability**

In discussions with the GWP CAf (Represented by the Acting Regional Coordinator, Regional Programme Manager and Chair) and some members of the GWP Cameroon Steering Committee the following actions were agreed on as way forward in order to ensure implementation.

- Concern was raised on the sustainability of GWP Cameroon after the implementation of the WACDEP process – learning from the PAWD process where the CWP went dormant after the project implementation.
  - It was noted that GWP Cameroon is in the process of revival and a Country Water Partnership Members meeting is being planned for August
  - At this meeting the WACDEP Work Plan will also be presented to the partners
  - It was also noted that WP 8 in WACDEP – is aimed at building partnerships and ensuring sustainability of the CWPs work in the country. Therefore, recruiting a country manager could also assist in achieving that goal – this will include developing a strategy for sustainability
- Recruitment of a WACDEP Manager for Cameroon
  - It was agreed that there is an urgent need to recruit a manager to ensure that all the activities and outputs that have been identified are implemented. Currently, the workload for the Regional Programme Manager is a lot at the regional level and with the Cameroon activities it will be unbearable for one person.
  - The Manager will be recruited as soon as possible in order to attend the Technical Coordination Meeting to be held in Kigali, Rwanda starting week of the 23<sup>rd</sup> of Sept.
  - As GWP Cameroon will be reviving and looking for offices (in one of the partners' offices) the Manager will be located at the GWP CAf offices. The Manager will move once GWP Cameroon has been revived
- Strengthening the communication component in WACDEP Cameroon
  - It was proposed that a Communication Assistant be recruited to support the WACDEP activities – however, it was noted that for now there will be support from the region to carry out communication activities. This will be reviewed in the future to determine the need for a communications person.

## GWP Central America among regional experts on IUWM



The French Cooperation organized a regional forum on water governance in urban areas in Central America and invited GWP Central America to be one of the expert speakers.

The event was held in San Salvador, El Salvador June 24-26, with the participation of experts and representatives of public and private institutions, multilateral organizations and NGOs in Central America and France.

The objective was "to share insights and experiences of integrated water management in Central American cities, based on an interdisciplinary and regional approach."

GWP Central America has been promoting the integrated urban water management (IUWM) in the region. It is becoming an urgent issue because of the growing population in the cities and the effects of climate change on urban water resources.

The forum included the discussion IUWM, wastewater, planning and management, financial instruments, adapting to climate change, among others.

Fabiola Tábora, GWP Central America's Regional Coordinator gave a presentation on IUWM in the region and served as moderator for the session on climate change.

This event is part of the French Cooperation's Sustainable Cities Project.

## Managing transboundary basins in Central America



Water cooperation is fundamental to the advancement of the sustainable management of water. This issue is important for Central America, which has few experiences in shared management in its 23 transboundary basins, so there is still a lot of work to be done in this area.

To contribute to the regional dialogue on this issue, GWP Central America organized a forum in Guatemala City on July 10, 2013. Regional and national experts shared their views on IWRM and its importance to the management of transboundary basins, the legal principles of transboundary waters and the importance of hydrometeorological information systems, among others. The agenda included a panel on four transboundary cooperation experiences of the region.

The Vice Minister of Foreign Relations, as well as the Vice Minister of Natural Resources of Guatemala, participated in the inauguration of the event, along with Mr. Nabil Kawas, Regional Chair and Mrs. Jeanette de Noack, GWP Guatemala Chair.

Participants to the event included GWP partners from Guatemala, El Salvador, Honduras, Nicaragua, Costa Rica and Panamá, as well as other stakeholders from the region.

GWP Central America distributed the newly published Spanish version of the “Integrated Water Resources Management in the Basins of Transboundary Rivers, Lakes and Aquifers”, as well as a GWP Central America publication (Entre Aguas) dedicated to cooperation.

[Photos of the event](#)

[Story in Spanish](#)

### Final consultation on the water and climate programme



The II workshop for the regional water and climate programme was held in Managua, Nicaragua on June 20 and 21.

The workshop helped to define the specific actions and commitments for activities identified by participants. The inputs will be part of the final programme document, which will be the basis for the work done in the region. The program will be launched officially in the coming months.

Participants included GWP Central American partners, representatives of national governments, environmental organisms of the Central American Integration System (SICA), and other regional stakeholders. For this second workshop, key allies and international cooperation were invited.

The programme will be officially launched in the coming months.

### Dialogue on the Nicaragua canal



A forum was organized by the Nicaraguan Alliance for Climate Change (ANACC), the National Bureau of Risk Management (MNGR), members of the Mesoamerican Committee of the International Union for Conservation of Nature (IUCN-Mesoamerica) and GWP Nicaragua. The event was held in Managua, Nicaragua on the 16<sup>th</sup> of July.

The objective of the forum was to discuss the environmental sustainability of the Nicaragua canal, which is a project established by law in July of this year.

The event was transmitted live via internet and had a total of 500 participants, including the in-person participants.

The agenda included presentations from representatives of academia, indigenous peoples and civil society. Mr. Victor Campos from the Humboldt Center gave a presentation on the most relevant legal issues associated with this mega project and all sub-projects established by law. Professor Salvador Montenegro from the University of Nicaragua shared some environmental concerns of the project, including the possible impact to the country's natural resources, especially water. The representative of the indigenous communities, who are living in the adjacent areas of the project, also shared their concern regarding the canal.

### **GWP Panama supports the training of journalists**



With the support of GWP Panama and other organizations, the Network of Environmental Journalists of Panama (REDPA), Genesis Magazine, the Institute of Merchant Marine and the Journalists Alliance Group West, organized a training session with journalists on agrienvironmental issues.

The event took place at the premises of the Panamanian Institute of Merchant Marine, on July 13, 2013, with the participation of 30 journalists.

### **Partners form a work group on urban water**

In July of this year, GWP Guatemala held its general assembly, in which the activity and financial report were presented. The partners also discussed the possibility of contributing to the solution of the pollution problem for the Negro y Contreras River that crosses the city.

To this end, the partners who were interested in being part of a work group to address the Negro y Contreras issue were formed and they held their first meeting on the 23<sup>rd</sup> of July.

The partners involved in the group, will follow up on issues related to the integrated urban water management (IUWM), including water sources in urban areas, drinking water, sewage treatment, water and health in cities, climate change and IUWM, as well as the Negro y Contreras case.

### **A strategy for the cloud forest in Guatemala**

Given the importance of cloud forests, the National Forest Institute (INAB) has initiated the formulation of a strategy for the use and cloud forest conservation, in order to have a plan to guide the management and conservation of this ecosystem in Guatemala.

There have been three participatory workshops in Quetzaltenango, Guatemala City and Purulhá, to gather input on key threats, opportunities, and priority actions to be undertaken to achieve the four strategic objectives:

- Building regional and local capacities to promote sustainable forest management and conservation of the cloud forest
- Contribute to maintaining ecological integrity and the current extent of the cloud forest
- Implement mechanisms for conservation and sustainable forest management in the cloud forests according to the social, economic and ecological areas where these are located.
- Promote mechanisms and processes that encourage or restore connectivity in fragmented forest blocks.

GWP Guatemala has been an ally in this process and has participated in the workshops, and together with the INAB have produced preliminary document.

### **IWRM in primary schools in Honduras**



GWP Honduras, in coordination with Fundación Vida, a GWP partner, is supporting a program to teach IWRM in primary schools in Tegucigalpa, Honduras.

The program is based on the work of the volunteer program of Fundación Vida, which has developed and adapted educational material for primary school children in the areas of water, climate change, waste management and disaster risk management, all of which are key elements of IWRM and are part of the National Basic Education Curriculum.

Specifically, the following activities have been developed:

- A working agreement with the project's pilot school in Tegucigalpa
- The design of educational material
- The training of a group of educators, who will teach the topics mentioned above.

Fundación Vida is a Honduran NGO whose mission is to promote the conservation and proper utilization of natural resources to ensure sustainable livelihoods.

### **Water and Sustainability in Central America**

GWP Panama participated in the seminar on Water and Sustainability in Central America, organized by the Panama Canal Authority (ACP), together with other entities and supported by the Ministry of Foreign Affairs.

The event was held in Panama City on August 27, 2013. The objective was to analyze actions on technology, innovation, management models and best practices to facilitate the formulation of public policies for the sustainability of water resources in Central American countries.

The keynote lecture was “The Knowledge Management - World System”, which was given by Dr. Guillermo Castro, Academic Director of the City of Knowledge Foundation.

The program included 3 panels: Technology and Innovation, Management Model and Good Practice Cases, with the participation of representatives of GWP Panama, the National Environmental Authority, Panama Canal Authority, Ministry of Environment and Energy of Costa Rica, Ministry of Environment and Natural Resources of Guatemala, Government of Extremadura, to name a few.

National and regional government officials were present, as well as representatives of civil society organizations and academia.

### **IUWM course in Panama**



A course on Integrated Urban Water Management was held in Panama City on August 21 and 22. This event was organized by GWP Panama, together with other entities.

This course is a replica of the regional workshop organized by GWP Central America in November 2012, in which representatives of the Ministry of Health (MINSa), the Technological University of

Panama (UTP) and the National Institute for Aqueducts and Sewers, participated.

Participants included representatives of public institutions such as the National Environmental Authority (ANAM), among others, as well as non-governmental organizations.

The course proposed a new strategy for water resources management in order to reduce the city's vulnerability to the impacts of climate change, such as floods and landslides.

This strategy calls for an integrated management of cities, especially in the aspects of urban drainage, solid waste, water supply and sewerage, all based on land use in the urban setting.

Participants had the opportunity to visit the Water Treatment Plant, located in Llano Bonito Juan Diaz.

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## Governance

**GWP Honduras** Steering Committee met on June 4 to prepare for their Assembly. Other activities that were agreed upon in this meeting include the updating of the national water balance and the teaching of IWRM in primary schools.

The GWP Honduras General Assembly was held on July 4, which included a presentation on the UN Adaptation Funds project "Coping with climate risks in water resources in Honduras: Increasing resilience and reducing vulnerabilities in poor urban areas".

The **GWP Guatemala** held its General Assembly on June 19, in which partners were appointed to follow up on activities such as coordinating a local water fair, urban issues and others.



**GWP Central America** carried out its General Assembly in Guatemala City on July 11 and 12. The agenda included a discussion of the draft Strategy 2014-2019, a presentation on the regional water and climate programme, the approval of amendments of certain articles in the statutes - particularly as regards to the period of the presidency of GWP Central America (it was voted to change the periodicity from 6 months to 1 year). The Assembly also voted in favour of leaving the GWP Central America secretariat in Honduras until early 2015. And a new regional Chair was appointed:

Jeanette de Noack from GWP Guatemala.

**Section 1: Activity in June 2013****1.1 Celebrating the Day of the Kura-Araks rivers basin protection**

**1.1.1** On 2 June 2013 GWP-Georgia jointly with "Greens Movement of Georgia" have broadly celebrated the Day of the Kura-Araks rivers basin protection in Georgia. 2 June was declared as the Day of the Kura-Araks rivers basin protection in 1999 under initiative of the South-Caucasian HGOs coalition "Kura-Araks". This initiative got support from the donor organizations and the Ministry of Environment and Natural Resources of Georgia and in 2004 - from the Global Water Partnership.

Every year in the Southern Caucasus countries the 2 June is celebrated by various actions: regional and national conferences, lectures, "cleaning action", roundtables, demonstrations etc. These are accompanied by the issuing of newsletters, banners, pocket calendars, T-shirts, videos etc.

This year the following events were organized:

- "Cleaning actions" in Tbilisi - the young volunteers from the high educational institutes participated (more than 100 people);
- "Cleaning actions" in Akhaltsikhe - local partner organizations participated (more than 30 people);
- Demonstration in Tbilisi - GWP-Georgia, students, Mayor of Tbilisi and officers (about 100 people);
- Special pocket calendars were disseminated - 10 thousand calendars.



"Cleaning actions" in Tbilisi and Akhaltsikhe

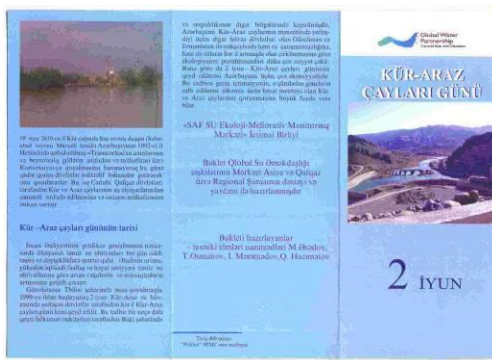


Demonstration in Tbilisi



Disseminating the calendars

**1.1.2** In Azerbaijan the Kura-Araks Day was celebrated on 5 June simultaneously with the Day of Irrigator in Baku and some regions. These events were broadly reported in mass-media. GWP-Azerbaijan issued the booklet "2 June - the Kura-Araks rivers day", which was disseminated among participants.



**1.1.3** GWP-Armenia together with NGOs "Sustainable Water Environment" and "EcoClub Lore" under the support of the Ecological Information Center of Stepanavan City organized the Roundtable devoted to the Kura-Araks Rivers Day. The Roundtable was attended by representatives of NGOs,

educational organizations, mayor's office, rescue service, anti-epidemiological center.



The Roundtable theme was contamination of water and land resources caused by the mineral industry waste, as well as water ecosystem devastation due to construction of small HPSs.

The Roundtable participants consider that solving a problem related to the small hydropower stations depends on revising the rules of water use permission document especially concerning minimal amount of ecological river flow. Participants decided to develop a proposal and submit it to the Agency on water resources management at the Ministry of Environment Protection and to the Ecological Inspectorate.

## 1.2 Inter-sectoral Roundtable "National Program on Water Resources Management in Kazakhstan"



This roundtable was organized by the GWP-Kazakhstan on 13 May 2013 in Almaty. 30 participants took part in the event.

## 1.3 The GWP-Kazakhstan Chair took part in:

- *discussion of National Program on Water Resources Management* held in the Ministry of Environment Protection of Kazakhstan in Astana, May 21, 2013.
- *the meeting of the Aral-Syrdarya Basin Council* on June 26, 2013.
- *the meeting of the Balkhash-Alakol Basin Council* on June 27, 2013.

## 1.4 The meeting on the Green Growth report revision

On 10-11 June 2013 in Tashkent three experts (Bakhrom Gafarov, Tajikistan; Bulat Yessekin - Kazakhstan; Suleimanov A. -Kyrgyzstan) revised the report on Green Growth in the Aral Sea improved on the basis of comments of ICWC during the discussion in April 2013 in Bishkek. New version of the report excluded controversial issues and defined priorities of each country. This version will be submitted to ICWC for adoption in July 2013.

## 1.5 Recruitment of Programme Manager

GWP CACENA announced a ***vacancy for the Programme Manager*** ("GWP Water and Climate Programme: Transfer GWP's Knowledge for Climate-Resilient Development in Caucasus and Central Asia (CACENA) for 2013- 2015") at the beginning of May 2013.

## 1.6 Photo competition "Ubiquitous Water..."

GWP CACENA and Ecological Movement of Uzbekistan have announced on 15 June 2013 ***the photo competition "Ubiquitous Water..."*** within the Twelfth Republican ecological journalism competition. The aim is to call care of water among people in Uzbekistan. Journalists and all interested people are eligible to participate. The deadline is 15 October 2013.

GWP CACENA established 3 awards for the best photos:

- First prize - 400000 UZS;
- Second prize - 300000 UZS;
- Third prize - 200000 UZS.
- And two incentive prizes - 100000 UZS each.

## 1.7 20th anniversary of the International Fund for saving the Aral Sea

On 29-30 May 2013, the scientific and practical conference devoted to the 20th anniversary of the International Fund for saving the Aral Sea (IFAS) took place at the Kazakh National Agrarian University

in Almaty. The event was organized by the MFA of the Republic of Kazakhstan, the Executive Committee of IFAS and the Executive Board of IFAS in Kazakhstan.

The conference was attended by about 200 delegates originated from the Central Asian countries, Russia, the Republic of Belarus, USA, Germany, Switzerland, France, as well as representatives from regional institutions, international organizations, NGOs, and experts from academia.

The conference reviewed and evaluated the activities of IFAS over the 20-year period, and its role in promoting cooperation among the Central Asian states in addressing water related, environmental and socio-economic issues; exchanged views on cooperation perspectives with international donor community to implement the decisions of the Heads of states - founders IFAS, including the objectives envisaged within the Third Aral Sea Basin Program (ASBP-3).



GWP CACENA Regional Coordinator, Vadim Sokolov, did presentation on GWP CACENA contribution into building capacity of the Aral Sea Basin countries. Also the Nomination commission of candidatures for the program manager (Vadim Sokolov, Nariman Kipshakbaev, and Nino Chkhobadze via e-mail) had selected Mr. Abdybay Djailoobaev as the Manager of the GWP Water and Climate Programme: Transfer GWP's Knowledge for Climate-Resilient Development in Caucasus and Central Asia (CACENA) for 2013- 2015.

### 1.8 Central Asia Knowledge Forum: Climate resilience and Inclusive Development

Mr. Shukhrat Mukhamedjanov (SIC ICWC) participated on behalf of GWP CACENA in the Central Asia Knowledge Forum: Climate resilience and Inclusive Development organized by the World Bank in Almaty, 17 - 20 June 2013.

More than 100 policy makers and practitioners from governments of Kazakhstan, Kyrgyz Republic, Tajikistan, Turkmenistan, Uzbekistan, regional learning institutions, universities and civil society groups, donor community representatives, and World Bank staff attended the Forum.

The Knowledge Forum presented an opportunity to discuss the latest World Bank climate change reports - Turn Down the Heat: Why a 4°C Warmer World Must be Avoided, Adapting to Climate Change in Eastern Europe and Central Asia, and Growing Green: The Economic Benefits of Climate Action. Participants learned from experiences in other countries, including Mexico, Brazil, and from other development partners, and shared their own perspectives and initiatives. The Forum facilitated timely sharing of knowledge and experiences accumulated internationally, identifying gaps in knowledge, as well as deepening coordination among development partners in Central Asia.

### 1.9 The 4<sup>th</sup> Working Seminar on Water Resources and Adaptation to Climate Change in Transboundary Basins

Mr. Vadim Sokolov, Regional Coordinator of GWP CACENA, has attended the 4th Working Seminar on Water Resources and Adaptation to Climate Change in Transboundary Basins on **25-26 June 2013, Geneva, Switzerland.**

The workshop offered a platform for exchanging experience on adaptation strategies, best practices, success factors and lessons learned, with a particular focus on transboundary climate change adaptation serving multiple purposes. It was built upon the framework of the UNECE Convention on the Protection and Use of Transboundary Watercourses and International Lakes.

The following themes were covered during workshop:

- Multi-purpose adaptation measures: Examples of adaptation measures serving a plurality of objectives were presented and discussed;
- Integration of water sector oriented adaptation measures/strategies with other sectors - such as energy, agriculture and navigation: Representatives from those sectors were invited to explain their needs and interests;
- Examples of tools useful for climate change adaptation in transboundary basins and already used on various scales were presented, e.g. for modeling, vulnerability assessment, scenario - building, communication, stakeholder involvement, decision making etc.
- How to develop adaptation strategies, select and implement measures at different levels were discussed.

At the same time Mr. Vadim Sokolov had negotiations with UNECE about its participation on the special focused event that will be organized by GWP CACENA within the High-Level Conference on Water Cooperation on 20-21 August 2013, in Tajikistan, Dushanbe.

Application for the organization of Special Focused Event by GWP CACENA was approved.

### **1.10 The Sixth meeting of Task Force on Water and Climate (Convention of the Protection and Use of Transboundary Watercourses and International Lakes)**

Mr. Vadim Sokolov, Regional Coordinator of GWP CACENA, has attended the 6th Meeting of UNECE Task Force on Water and Climate on behalf of the GWP CACENA, that was held on 27 June 2013 in Geneva, Switzerland.

Participants were informed about the background of the global platform for exchanging experience on

water and adaptation to climate change, established in light of the global opening of the Water Convention to all the United Nations Member States, following the entry into force of the amendments to articles 25 and 26 of the Convention on 6 February 2013.

There were discussed the future cooperation with global partners, such as the United Nations Framework Convention on Climate Change (UNFCCC), the European Union, the Alliance for Global Water Adaptation (AGWA), the International Union for the Conservation of Nature (IUCN), the Organisation for Economic Co-operation and Development (OECD), the Global Water Partnership (GWP), the World Meteorological Organization (WMO), UN-Water and others.

In this regard Sabina Bokal (GWP CEE) and Vadim Sokolov (GWP CACENA) briefly presented activities on newly started program of GWP on water and adaptation to climate change and presented

suggestions for promoting the transfer of lessons learned and a broader exchange under the global platform.

*Next steps could be recommended:*

1. GWPO Secretariat and GWP Regions should find the proper ways to be actively involved into the UNECE activities on Water and Climate.
2. There were suggested the following direction of cooperation:
  - sharing knowledge and exchange of lessons between GWP and UNECE, particularly contribution to the collection of good practices;
  - facilitating exchange visits/study tours between UNECE and GWP regions doing work on water and climate in CEE, CACENA and other regions - Africa, Asia.



Annukka Lipponen (UNECE), Saghit Ibatullin (EC IFAS) and Shamil Ilyasov (Chu-Talas Commission) are discussing proposals from Central Asia for assessment program of the water-food-energy-ecosystems nexus in transboundary basins under the UNECE Water Convention, Geneva, June 2013

### **1.11 The South Caucasus Conference on Sustainability and Watershed Management**

The "South Caucasus Conference on Sustainability and Watershed Management" was organized within the Integrated Natural Resources Management in Watersheds of Georgia (INRMW) Program in the Conference Hall of the Holiday Inn Hotel in Tbilisi, on 3-4 June, 2013.

GWP-Georgia informed participants about its activity concerning IWRM for the last years.



### 1.12 The workshop on the project "Climate Forum East"

GWP-Georgia took part in the workshop within the project "Climate Forum East" organized by the Red Cross Society of Georgia in the "Irmeni" Hotel, Tbilisi, on June 19, 2013.



with funding from  
Austrian

Development Cooperation



AUSTRIAN RED CROSS



WWF

Specialized policy aspects (water management, public health, biodiversity, agriculture, catastrophes management) were discussed.



The workshop was attended by representatives of governmental organizations, stakeholders, and participants of the climate change projects - total: 20 people.

Participants touched upon the issues of projects coordination and cooperation mechanisms.

### 1.13 The meeting on the project "Integrated Hotspots Management and Saving the Living Black Sea Ecosystem - HOT BLACK SEA"

On June 19, 2013, in Tbilisi, the GWP-Georgia took part in the **meeting within the project "Integrated Hotspots Management and Saving the Living Black Sea Ecosystem - HOT BLACK SEA"** to inform stakeholders and to increase cooperation between the five participating countries of the Black Sea Region. Romania conducts general management of the project.



Representatives of national, private, non-governmental organizations and international projects took part at the meeting - total: 25 people.

GWP-Georgia gave 2 presentations:

- Environmental risks for rivers of the Black Sea Basin (reporter - Nino Chkhobadze);
- National Political Dialogues on IWRM (reporter - G. Dzamukashvili).

#### 1.14 CWP-Kazakhstan took part in the following events:

- **IV Astana Economic Forum** on May 22-24, 2013;
- **the Task Force on Water Distribution between Kazakhstan and China** on June 27, 2013.
- **the meeting on exchange of transboundary water resources management experience** with Russian colleagues from the Amur Basin Inspectorate situated in Khabarovsk city on June 5, 2013.



#### 1.15 The Roundtable on the environment protection of international river basins

On 6 June 2013 the GWP-Azerbaijan took part in the Roundtable organized by the National Coordination Committee of Azerbaijan. This roundtable was devoted to the project on the environment protection of international river basins (financed by the European Commission).



#### 1.16 "Sustainable Energy Week"



GWP-Turkmenistan participated in the regional forum on energy efficiency in the framework of the project "The Mayors-East Agreement" on 28 June 2013 in Astana, Kazakhstan, within the "Sustainable Energy Week" under financial support of the European Union. Mrs. Guldjamal Nurmukhamedova reported about National Policy and Priorities of Turkmenistan in the Energy Efficiency and

Saving sphere.

## Section 2: Activity in July 2013

### 2.1 Translation of the Water brochure for young people

GWP-Armenia translated the brochure "Would you drink your wastewater? A water brochure for young people" published by EU from English into Russian for the schoolchildren trainings on water resources management that will be started in September 2013. The Russian version was published and e-version is placed on the CWP-Armenia website: [www.cwp.am](http://www.cwp.am).



### 2.2 The Roundtable on IWRM principles



As is known the Araz river is one of the main water sources and transboundary river in Azerbaijan. Farmers and other people in the Beilagansky district use water resources of the Araz river for irrigation.

In July 2013 GWP-Azerbaijan has organized the Roundtable on IWRM principles for the farmers and the staff of the Irrigation Systems Department. Participants were informed about new irrigation technologies and methods.

### 2.3 Contribution to the International Year of Water Cooperation - 2013

GWP-Azerbaijan is preparing the book "Tales about Water" for children of preschool age and of the lower school as a contribution to the International Year of Water Cooperation - 2013.

### 2.4 The Workshop "Economic aspects of IWRM and applying economical tools in water resources management in Kyrgyzstan"

The Workshop "Economic aspects of IWRM and applying economical tools in water resources management in Kyrgyzstan" was held on 26 July 2013 in Bishkek, Kyrgyzstan. Representatives of national departments of water management and NGOs, as well teachers of universities (including 12 women) took part in the workshop.

There are various economic tools provided in the 2004 Water Code of the Kyrgyz Republic. These tools give a lot of possibilities to improve water resources management without need to change legislation.

However, the existing economic tools do not provide the appropriate incentives (to pollution prevention, efficient use of water resources and the efficient operation and routine repair and maintenance of water infrastructure) and do not provide an income sufficient for the financial viability of the water sector.



As a result of this roundtable the participants have got a framed knowledge about IWRM economic aspects and have considered existing economic tools for water resources management in the Kyrgyz Republic in detail. Also a capacity of motivation group for implementing campaign on disseminating knowledge about the IWRM economic tools was increased to influence a decision-making.

## 2.5 The Sixth meeting of the Working Group on Water and Health

GWP-Kyrgyzstan took part in the Sixth meeting of the Working Group on Water and Health organized by UNECE on 3-4 July 2013, in Geneva, Switzerland.

The main objective of the sixth meeting of the Working Group on Water and Health was to prepare the third session of the Meeting of the Parties to the Protocol (Oslo, Norway, 25-27 November 2013). In particular the Working Group:

- reviewed the implementation of the activities under the Protocol's programme of work 2011-2013
- discussed and agreed on a draft programme of work for 2014–2016 to be submitted for adoption by the Meeting of the Parties.

Speaking at the meeting, the representative of GWP-Kyrgyzstan said that Kyrgyzstan, not being a Party to the Protocol, but sharing its humane goals, is working within the context of this document. Moreover, the target-setting process is completed, and results are adopted by the Coordination Council and approved by the order of two ministries. In the near future under the support of the Norwegian Foreign Ministry a publication on target settings in the Russian and English languages is planned to be issued. The country is facing a difficult task of implementing the target settings, and Kyrgyzstan rely on the experience and support of international community.

## 2.6 Media-tour for journalists in UZBEKISTAN

Following the Announcement of photo competition "Ubiquitous Water...", on 30 July 2013, GWP-Uzbekistan jointly with GWP CACENA Regional Secretariat and the Ecological Movement of Uzbekistan organized the media-tour for journalists.

The journalists from TV, radio, various newspapers and journals, were acquainted with the Verkhne-Chirchiksky waterworks facility at the Chirchik river and with water management activities of ICWC and BWO "Syrdarya" as well a role of GWP CACENA in promoting IWRM principles.

Three presentations were delivered to journalists:

- The role of Interstate Coordination Water Commission (ICWC) in water resources use of transboundary rivers in Central Asia (Vadim Sokolov, Regional Coordinator of GWP CACENA).

- The waterworks facility operation at the Chirchik river and BWO "Syrdarya" activity on water distribution and regulation (Mr. Ulugbek Baratov, Head of the control station, Verkhne-Chirchiksky waterworks facility).

- National Water Partnership Strategy on IWRM development and implementation and cooperation with mass-media to promote GWP Strategy in the Republic of Uzbekistan (Mr. Mansur Abduraimov, Chairman of CWP-Uzbekistan).

Mr. Vadim Sokolov, GWP CACENA Regional Coordinator, also gave a television interview about the Green Growth project that is being implemented jointly with Korea.

The media-tour participants discussed further collaboration and way to raising awareness on rational use and protection of water resources among various sectors of society. They also expressed their willingness to take part in such tours in the future. Total number of participants - 31.

Information about this event was published by two newspapers:

Following the media-tour two articles were published:

- "Place of water in the Green Growth" (in the newspaper "News of Uzbekistan", in Russian) and
- "Modern approaches of water distribution" (in the newspaper "Jamiyat", in Uzbek).

The meeting with journalists was featured in the news programs of the National Television of Uzbekistan, and was covered in local broadcast.



Vadim Sokolov about IWRM principles

Ulugbek Baratov explains how water is being distributed



Vadim Sokolov is telling about ICWC

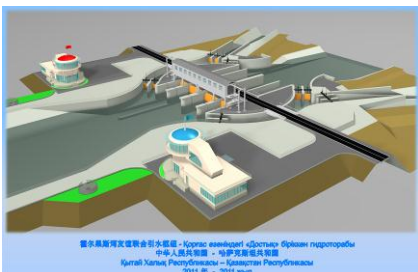


Interview with Vadim Sokolov



Participants of the media-tour

## 2.7 "Dostyk" dam is put into operation



GWP-Kazakhstan and its partners took part in the event on the putting into operation of the interstate dam "Dostyk" at the Khorog river. The interstate dam "Dostyk" at the Khorog river provides an effective use of river water resources for crop irrigation in two countries - China and Kazakhstan, and supplies with ecological water discharge for the Balkhash Lake .

## 2.8 Visit to Kyzylordinskaya area

On 24-29 July 2013, Mr. Kipshakbaev and Mrs. Yakhiyaeva visited the Kyzylordinskaya area and have met with the head of the region. The pilot plot was chosen within the GWP CACENA program on water

and climate at the irrigated area belonging to Ltd Company "Shagan Jer" and the base station "Karaultobe". Also the meeting with researchers of the Kazakhsky Rice research institute" was held.

### 2.9 The meeting on sustainable water resources management

On 31 July 2013, Mr. Kipshakbaev, Chair of GWP-Kazakhstan, took part in the meeting devoted to sustainable water resources management in the Syrdarya Delta and the northern part of the Aral Sea according to IWRM principles.



### 2.10 Study-tour of the representatives from Central Asia and Caucasus to Ukraine



Following the regional forum on energy efficiency in the framework of the project "The Mayors-East Agreement", on 15-19 July 2013, the representatives of Central Asia and Caucasus who signed the Mayor Agreement visited the Ukrainian towns (Lvov, Lutsk, Vinnitsa, Kamenets-Podolsky). The aim of this visit was to acquaint participants with best implementation of Agreement in the Ukrainian towns as well as sharing experience on activity of energy-managers and creating the energy partnerships.

### 2.11 The thirteen meeting of Board of Governors of the Asia-Pacific Water Forum

Mr. Yusup Kamalov, Chair of GWP CACENA, attended the thirteen meeting of Board of Governors of the Asia-Pacific Water Forum on 23 July 2013 in Singapore, Malaysia. The aim of this meeting was to discuss the APWF perspectives and activities for near future.

## Section 3: Activity in August 2013

### 3.1 The 9th World General Assembly of the International Network of Basin Organizations

The 9th World General Assembly of the International Network of Basin Organizations (INBO) was held on 12 - 16 August 2013 in Fortaleza (Brazil)

The Assembly was preceded by a meeting of the INBO International Liaison Bureau, which was adopted the report of the INBO Executive Secretary on the work done during 2012-2013, and the proposed work plan for the period up to 2015.

During the official opening of the Assembly there were presented greetings from the President of the Brazilian National Water Agency and the INBO President, Mr. Mohamed Salem Ould Merzoug from High Commissioner of the Organization for the Development of the Senegal River (OMS). Prof. Dukhovny delivered a message on behalf of the President of the INBO-EECCA.

During the morning session the most interesting was presentation done by the President of the World Water Council, Prof. Benedito Braga "The Global Water Security." He expressed concern about varying degrees of readiness of the countries and basins over the world to growing water crisis. Ethiopia and Australia, Nepal and the United States are in the same geographical conditions, but the extent of their water infrastructure and management are very different. In the most developing countries the system of water security is often out of view of governments. Particular attention Ben Braga paid to the issues around the big dams and water reservoirs. He strongly objected to the widely accepted view that "the dam creates a dirty world." An example of the successful operation of hydroelectric dams is the largest complex of Bhakra Nangal in India which irrigates 7,000,000 hectares in several states and produces 2,800 MWh of electricity. The problem is not the dams, but the ability to manage them in the interests of the entire basin, with particular reference to the interests of nature and agriculture. The main condition is the political will of the leaders of the neighboring countries and provinces.

During Assembly there were organized expert panel discussions on the four key topics:

1. Adaptation to climate change and the prevention of extreme values of floods and droughts
2. Involvement of local water users and the role of the Basin Committees
3. Management of transboundary rivers, lakes and groundwater (GWP CACENA Regional Coordinator, Vadim Sokolov was one of the key panelist on this topic to share experiences from CACENA region)
4. Financing of water management organizations

The results of the discussions were the basis of the Declaration of Fortaleza adopted by the INBO General Assembly (see more on: <http://www.inbo-news.org> )

During closing session there was a procedure to transfer of the INBO Presidentship from Senegal to Brazil for the coming three years period up to 2015. Newly elected INBO President is **Lupercio ZIROLDO ANTONIO**, President of the Brazilian Network of Basin Organizations (REBOB) and Technical Secretary of the Latin-American Network of Basin Organizations (LANBO).



### 3.2 GWP CACENA Special Focused Event "IWRM as a practical approach for adaptation to climate change in the countries of Central Asia and Caucasus"

The Dushanbe High-Level International Conference on Water Cooperation, organized by the Government of Tajikistan on 20 and 21 August 2013, gathered a considerable audience to discuss and share various opinions on the role of water in sustainable development.

GWP CACENA, aiming to present its Program on Climate Change Adaptation for 2013-2015, has organized the Special Focused Event "IWRM as a practical approach for adaptation to climate change in the countries of Central Asia and Caucasus".

Representatives of CWPs, GWP CACENA, GWP Secretariat, UNECE and other participants attended this special focused event.



Mr. Abdybay Djailoobaev, Programme Manager, GWP-Kyrgyzstan, delivered a key presentation on the Programme and said that a "programme heart" is the pilot projects to be implemented in the GWP CACENA countries. Then, representatives of Country Water Partnerships have reported on their specific pilot projects for practical solutions at the local level, mainly in irrigation, water supply and sanitation, with support of capacity building and community engagement.

Mr. Teimur Osmanov, GWP CACENA Regional Council member from Azerbaijan, presented the pilot project devoted to investigation of situation with water and land resources use in the Muganskaya Steppe. The recommendations on optimization the "water-soil-crop" system is to be delivered. The project is supposed to allow water resources use to be more rational and efficient, and crops to be more sustainable under water deficit, as well as water users to be prepared to climate change.

Mrs. Arevik Hovsepyan, Chair of GWP-Armenia, presented the project "Rehabilitation of Agricultural Lands in Parakar Community of Armavir Region" -Phase II. The aim of this project is to build a pond system for wastewater treatment and then to use that water for fisheries. This pilot project will give possibility to demonstrate effective using of higher water plants in secondary treatment of wastewater.

Mr. George Dzamukashvili, Chair of GWP-Georgia, presented the pilot project "Measures to mitigate natural disasters in the Sakire village in the Borjom area". The project is aimed to enhance awareness on existing risks among local people and to prepare their behavior for extreme situation as well as to mobilize local community for solving environmental problems.

Mr. Nariman Kipshakbaev, Chair of GWP-Kazakhstan, presented the pilot project on automation of water distribution for irrigation of rice in the Djalagashsky district, Kyzylordinskaya area. The pilot plot will serve as a training place for water specialists.

Mrs. Kasiet Musabaeva, GWP-Kyrgyzstan, presented the special pilot project "Regulation of water demand for irrigation of beans in Talasskaya area of Kyrgyzstan". This project is aimed to train farmers how to apply and adapt the improved technologies for efficient water use and to increase water productivity and crop.

Mr. Yarash Pulatov, Chair of GWP-Tajikistan, presented two pilot projects: 1 - "Improving water infrastructure to decrease land degradation, and measures to mitigate water disasters in the upper watershed of the Varzob river basin - adaptation to climate change in the Republic of Tajikistan"; 2 - "Development and demonstration of water saving technologies for crops irrigation within year-round use of irrigation lands for adaptation to climate change in Central Tajikistan".

Mrs. Guldjamal Nurmukhamedova, GWP-Turkmenistan, presented the pilot project "Development of water saving technology for the furrow irrigation of cotton by portable pipelines". This project will be implemented in Akhalsky viloyat in Turkmenistan.

Mr. Shukhrat Mukhamedjanov, representative from Uzbekistan, presented the pilot project on assessment of irrigation water, agrotechnical methods and agro-economic characteristics of the pilot farm. The project aim is to ensure technologies for control and fast response to any unfavorable situation related to climate change.

Mr. Batyr Hajiev, UNECE representative, delivered the presentation "Jointly adapting to climate change in transboundary basins: Example of the Chu Talas Basin". He informed about the project that is aimed to improve the adaptive capacity of Kazakhstan and Kyrgyzstan and to support dialogue and cooperation on the needed steps to design an adaptation strategy in the transboundary context and thereby prevent controversy on the use of water resources.

Participants actively discussed the impacts of the climate change and related adaptation measures linked to water management. They approved the GWP CACENA Program on Adaptation to Climate Change for 2013-2015 and decided to continue efforts on further developing of water partnership for IWRM principles implementation. (More about the Dushanbe High-Level International Conference on Water Cooperation on [www.hlicwc.org](http://www.hlicwc.org))

### 3.3 GWP-Kazakhstan took part in:

- the meeting of the Ministry of Environment Protection on 6 August 2013 in Astana. The draft agreement on water allocation between Kazakhstan and China was considered.
- the celebration of the Caspian Sea Day from 9 to 13 August 2013.

### 3.4 The 7th meeting of the Jaiyk-Caspian Basin Council



On 13 August 2013 the 7th meeting of the Jaiyk-Caspian Basin Council was held. Twenty three members of the Basin Council and seventeen invited representatives of various economic sectors attended this meeting.

Participants considered proposals on amendments and additional provisions to the Water Code of the Republic of Kazakhstan and the normative legal documents related to water resources use and protection. The Water Supply Concept for the Mangistauskaya oblast was discussed. As well the following issues were considered:

- Situation with rational and target use of water resources and its monitoring by Co. Ltd. "Mangistausky atomic energy complex" in Akatau;
- Recycle-reuse water systems; application of the best available technology to reduce water use;
- Decreasing the standard technical water losses in the water-supply network and the heat networks in Akatay;
- Increasing of water delivery from the Volga river to waterusers in the Atyrauskaya and Mangistauskaya areas by the water conduit "Astrakhan-Mangyshlak" in the future;
- Decreasing the standard technical water losses in the water conduit "Astrakhan-Mangyshlak".

GWP-Kazakhstan has organized and conducted the training "Water Resources Management in the Jaiyk-Caspian Basin" for 42 participants (Moderator - Mr. Kipshakbaev). These events were supported by the OSCE Office in Astana and Co. Ltd. "MAEK-Kazatomprom".



### 3.5 GWP Regional Days

The GWP Regional Days were organized by GWPO. The GWP CACENA delegation participated in the GWP Regional Days held from 26 to 30 August 2013 in Stockholm, Sweden. Information and knowledge obtained will be shared with GWP CACENA partners.

***Member Countries of GWP CACENA:***

***Azerbaijan, Armenia, Georgia, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan***

**Activity ONE****Title: The Initiation of the WACDEP of China Region****Date/Place/Organizers:**

- June-August, 2013, China
- GWP China
- GWP China Fujian
- GWP China Shaanxi
- GWP China Hebei

**Outputs:**

- Under the framework of GWP China Region, the first involved organizations are Fujian, Shaanxi and Hebei Provincial Water Partnerships. GWP China promoted the implementation of the control indicators of better management of water resources at the national level;
- The Shaanxi Provincial Water Partnership conducted their research on impact of climate change to the groundwater management in Shaanxi Province and completed research reports;
- The Fujian Provincial Partnership strengthened their capacity building of adapting to extreme climate events (typhoons); supported the local organization to complete the non-structural constructions (Integrated Water Resources Information System). Furthermore, the Fujian Provincial Water Partnership supported the local government to set up the institutional system to gather all related departments to deal with extreme climate disasters. The system is managed to improve policies at provincial level.
- The Hebei Provincial Partnership completed the on-site survey of the impact of climate change to coastal areas of Hebei Province. The survey report is under the production. The consultation workshop is managed to be taken place in November.

**Activity TWO****Title: International Conference on Climate Change Adaptation****Date/Place/Organizers:**

- 2-4 July, 2013, Beijing
- The Adapting to Climate Change in China PMO of China, UK and Switzerland

**Outputs:**

- The three-day International Conference on Climate Change Adaptation: Policy, Practice and Legislation drew 150 leading policymakers, legislators, experts and representatives of multilateral agencies from China and 35 developing countries to Beijing to explore major opportunities for

China and developing countries to work together to make their countries and communities more resilient to the impacts of climate change. Conference participants also had the opportunity to learn of China's achievements in planning for and responding to climate impacts. The conference was resulted with its landmark document, Guiding Principles for Climate Change Adaptation; South-South Cooperation, Practice and Legislation

- Mr. Zheng Rugang, the Coordinator of GWP China was invited to the conference. On behalf of GWP China, he introduced the activities of GWP China and exchanged our experiences on multilateral international cooperation in climate change adaptation.

## EASTERN AFRICA

### WACDEP: Rwanda-Burundi Stakeholders Agreed on Priority interventions

*“It’s time for participating in the implementation of WACDEP activities in Lake Cyohoha catchment-”*  
Governor tells stakeholders, in Kirundo Province, of Burundi, on the 25<sup>th</sup> of July 2013.

Over 35 stakeholders mainly local government representatives, community representatives, technical officers from government of Rwanda and Burundi, local implementing partners for Water Climate Development Program agreed on priority interventions in Cyohoha water catchment—a trans-boundary lake for the two countries.

The meeting held on 25th July 2013, in Kirundo Province, Burundi aimed at agreeing on immediate response measures, specific sites for implementation, responsible lead implementers, collaboration mechanisms, and timeframe.

Officiating the meeting, Nzigamasabo Reveriens, Governor of Kirundo Province, Burundi urged stakeholders to commit their participation for effective implementation of WACDEP.

“It is time for everyone to be ready and actively participating in the implementation of WACDEP activities in Lake Cyohoha catchment,” Kirundo Governor said.

The meeting prioritized key activities basing on the results from the situational analysis—formerly conducted by a team of multidisciplinary experts from both Rwanda and Burundi.

Subsequent consultations did specify activities, locations timelines, responsible lead institutions collaborators and implementation mechanisms for WACDEP at community levels.

### Ownership

Using the local map, potential beneficiaries of the Program identified and pointed out clearly the locations where interventions should be focused.

GWP Eastern Africa lauded the initiative of citizens and local representative selecting locations where WACDEP should be based as indication of citizen participation and ownership of the program.

Governor Nzigamasabo further noted that with the prevailing political will, expertise and citizen will, WACDEP objectives will turn into results.

During the national consultative workshop in October 2012, the Administrator of the Commune where the Program will be located (Burundi side) had advised: “to maximize the program’s outcomes, it is recommendable that the project focuses on priority activities in one area and thereafter scale up to other areas.”

Historically, Busoni, Bugabira (Burundi’s communes) and Bugesera District (Rwanda’s) face persistent drought brought by climatic changes resulting from unfriendly human practices such as over-cultivation, deforestation and unregulated livestock farming methods.

The Water, Climate and Development Program(WACDEP) was developed following 2009 African Ministers’ Council on Water (AMCOW) decision to fast-track the implementation of the Sharm el-Sheikh Declaration on Water and Sanitation.

WACDEP seeks to support the integration of water security and climate resilience in the development planning and decision-making processes through investment in water security and climate change adaptations.

In Eastern Africa, WACDEP will be implemented at Kagera basin, Rwanda-Burundi national level and Bugesera Trans-boundary water catchment. The Bugesera project’s main activities will include among others:

- Establishing a framework for implementing climate adaptive measures at various levels;
- Providing training and demonstrating climate responsive agricultural and natural resources management practices,
- Strengthen capacities of key stakeholders and local communities through behavior change awareness campaigns.





### **Rwanda-Burundi Consultations on Communicating WACDEP Concluded**

*“Media is our strategic partner—without it, we expect low levels of awareness, and slow change in water unfriendly practices and policies-”*

GWP Eastern Africa’s Communication Office presented draft WACDEP Communication strategy and to representatives of citizens and journalism practitioners on Burundi on key issues that need to be included in the Water, Climate Change Development Program (WACDEP) Communication Strategy.

The consultative discussions held on 16-17<sup>th</sup> June 2013 in Bujumbura, (Burundi) and Kigali, (Rwanda) respectively aimed at sharing with nationals of the two countries about draft of the WACDEP Communication Strategy: objectives and outcomes, targeted audiences, proposed tools/channels, feedback mechanisms and the implementation plan.

Participants emphasized that the WACDEP Communication strategy should build on the existing local and national communication strengths and work towards turning existing weaknesses into future opportunities.

“Owing to the fact that Rwandans and Burundians have similar cultural, social and economic contexts, the choice of the methods [tools] while communicating WACDEP should come to reinforce these similarities than break them,” said one participant from Burundi.

#### **Identified strengths**

According to the draft of the WACDEP Communication strategy, Rwanda and Burundi, specifically citizens living around Cyohoha water catchment-trans-boundary Lake, uniformity in languages (Kirundi for Burundi & Kinyarwanda) have similar dialectics---a resource that needs to be leveraged while conducting joint communication activities such as public awareness, trainings, seminars and conferences.

Other strengths include: increasing ownership of WACDEP by local authorities and existing institutional and structural framework: Water ministries, directorates, committees that can facilitate fast exchange of knowledge and communication materials. Telephony culture stood as additional strength to leverage while sharing messages through short message services (SMS).

## Standing challenges

Field consultations noted that though women directed affected by water scarcity in Bugesera region, there are still low level of women participation in protection and management of Lake Cyohoha.

Delayed participation of women in protection and management of Lake Cyohoha was considered to be linked to cultural reservations. GWP Eastern Africa envisions applying targeted messages to women and encouraging them join the Water Resources Management Committees as some of the strategies to overcome this challenge.

Other gaps included Limited scientific evidence demonstrating how climate change and its direct links with water scarcity, increasing floods and drought.

## Key opportunities

The political will to center Integrated Water Resources Management (IWRM) Approach, increasing trend towards trans-boundary strategies (integration) and growing social media use amongst youth are some of the opportunities participants identified and urged GWP Eastern Africa to consider while fine-tuning drafted the WACDEP Communication strategy.

Participants lauded GWP Eastern Africa's efforts of developing the WACDEP Communication strategy and called for using best-suited communication tools such as radios and meetings to communicate messages to different audiences.

Willy Mugenzi, GWP Eastern Africa's Communication Officer pledged further cooperation and partnership with the media in implementing and showcasing WACDEP success stories.

GWP Eastern Africa "considers the media as our best strategic partner in creating awareness, and changing unfriendly water practices," Mugenzi said.

The overall objective of WACDEP is to support integration of water security and climate resilience in development planning and decision making processes.

One of the core outcomes of WACDEP is useful knowledge and information on climate resilience and water security generated, shared and disseminated among stakeholders in Eastern Africa.

In Eastern Africa, WACDEP is implemented in River Kagera Basin (regional level), Rwanda-Burundi (country level) specifically around Lake Cyohoha (community level). Worth-noting, Lake Cyohoha is trans-boundary Lake between Rwanda and Burundi.

## Media Trained on WACDEP Communication

**GWP Eastern Africa organized two days Water and Climate Development (WACDEP) Training Workshop on August 21-22, 2013 in Bugesera District, Eastern Africa Province, Rwanda.**

Rwanda, Burundi journalists from print, broadcast, and online media organs and government communication officers formed media network to fast-track communications on WACDEP, promote awareness and dialogue around issues of water security and climate change adaptation.

Trainees also understood key concepts such as Integrated Water Resources Management (IWRM), Climate Change, Water Security and Why Water and Climate Change phenomena are newsworthy for the news media from Rwanda and Burundi.

The title of the workshop was ***“Role of Communication in Promoting Water Security and Climate Resilience”*** and a total of 30 communications experts and journalists from Burundi and Rwanda attended the training.

The training was motivated by the understanding that improved communications and information dissemination concerning water and climate change adaptation issues will better enable local communities and policy-makers to preserve their water resources, thus the success of WACDEP in Busegera region.

“Such training is long overdue. We needed it long ago. However, we can catch up on time and do something about water security and climate change issue in Bugesera region and other areas” said one media practitioner from Burundi.

The training method included presentations, focus group discussion, film-screening, and field visit to Lake Cyohoha—trans-boundary water catchment between Rwanda and Burundi for stock-taking. Burundi is home to 369 square km of the lake, while 139 square km are settled in Rwanda.

One of the observations from the field was about how discrepancies in environmental law enforcement between the two countries thus promoting risk practices around the lake.

For instance, Rwanda currently has strict environmental laws in place for the protection of the lake’s resources, while Burundi’s government has yet to implement such protective measures.

*Journalists interviewing the Executive Secretary of Kamabuye Sector, Bugesera District, Jean de Dieu* . risk  
*Muyegenza* ater

insecurity.

Journalists were able to interview local community members whose livelihoods depend on the lake in order to formulate stories they would share with their home communities with the intention of improving dialogue and cooperation between the two states.

The training ended with participants committing to inform and urge their communities to take action to protect their waters and move towards a mindset of water preservation and cooperation. Furthermore, all participants expressed a desire to work together in the future to tackle this issue jointly, across borders.

Daniel Mulisa, representing the Ministry of Infrastructure in Rwanda, “awareness is created [through this workshop] between the members of the two countries. Everyone learned their shortcomings and will move forward...it [the training] will create a big impact because everyone here is a writer so everyone will write and write and more awareness will be created. And, if we write the articles many lives will be changed as a result of environmental protection.”

As a result, over 15 articles (online, broadcast and print) were produced, 1 Press Release and photojournalists captured photographs for future considerations.

The overall objective of WACDEP is to support integration of water security and climate resilience in development planning and decision-making process.

In Eastern Africa, WACDEP is implemented in River Akegera Basin (regional level), Rwanda and Burundi (country level) specifically around Lake Cyohoha (community level). Lake Cyohoha is trans-boundary Lake between Rwanda and Burundi.



Journalists interviewing the Executive Secretary of Kamabuye Sector, Bugesera District, Jean de Dieu Muyegenza



*In red, John Bicamumaka (Rwanda) is the elected Coordinator of Media Network for Climate Change Adaptation & Water Security (MNETCCAW) and his team*



Mr. Safari Patrick, GWP Eastern Africa Regional Coordinator conducting the training, 21<sup>st</sup> August 2013, in Bugesera District, Eastern Province, Rwanda.



Mr. Safari Patrick, GWP Eastern Africa Regional Coordinator conducting the training, 21<sup>st</sup> August 2013, in Bugesera District, Eastern Province, Rwanda.

## MEDITERRANEAN

### *Water Governance & Financing*

#### **Joint GWP-Med/OECD/UfM Project on Governance & Financing for the Mediterranean Water Sector launched in Barcelona with high level participation**

A high-level regional conference launching the *Governance & Financing for the Mediterranean Water Sector* project was organised by GWP-Med, in Barcelona, 28-29 May 2013, in close cooperation and under the auspices of the Union for the Mediterranean (UfM) Secretariat. More than 100 participants from 22 countries attended the launching, including Ministers, high-level government officials, intergovernmental and non-governmental organisations as well as stakeholders from the water utilities, private sector, donor community, and academic institutions.



Designed and jointly implemented by GWP-Med and the Organisation for Economic Cooperation and Development (OECD), this regional project was labelled under the UfM framework in July 2012. Essential for launching its implementation has been the strategic partnership with the Swedish International

Development Agency (Sida) and the European Investment Bank (EIB). The steady support, already since 2009, of the GEF MAP/UNEP MedPartnership Programme and the Mediterranean Component of the EU Water Initiative (MED EUWI) has been instrumental for concretising the project's line of work.



The Barcelona Regional Conference marked the official launching of the project. The Secretary General of the UfM, H.E. Fathallah Sijilmassi opened the conference, while a keynote speech on the issue of water governance in the context of the Arab Spring was delivered by the Minister of Water and Irrigation of Jordan, H.E. Hazim El-Naser, representing also the UfM Co-Presidency.



The relevance, added value and timeliness of the project for the region was highlighted in the opening session by the Minister of Water and Wastewater Utilities of Egypt, H.E. Abdelkawi Khalifa; the Minister and Head of the Palestinian Water Authority, H.E. Shaddad Attili; and the Deputy Minister of Foreign Trade and Economic Relations of Bosnia and Herzegovina, H.E. Ermina Salkicevic-Dizdarevic.

These were complemented by short interventions delivered by the project's core partners and the two implementers. The ceremonial opening of the Conference was marked by the official delivery by H.E. Abdelkawi Khalifa of a support letter from Egypt to the Project requesting deepening dialogue activities in the country.



By the end of the Launching Conference of the project, participants had enhanced their understanding of the Project's context, objectives and activities. The Conference succeeded in identifying synergies and complementarities with other initiatives so as to avoid duplication of efforts and explored the eventual set up and role of a regional discussion interface among public and private actors on the water governance-financing nexus.

For more information: [www.gwp.org/en/GWP-Mediterranean/gwp-in-action1/News-List-Page/Joint-GWP-MedOECD-project-on-Water-governance--Financing-for-the-Mediterranean-Water-Sector-launched-in-Barcelona/](http://www.gwp.org/en/GWP-Mediterranean/gwp-in-action1/News-List-Page/Joint-GWP-MedOECD-project-on-Water-governance--Financing-for-the-Mediterranean-Water-Sector-launched-in-Barcelona/)

## **Multi-lateral meeting with key stakeholders on Water Governance & Financing focusing on the involvement of the private sector organized in Tunis**

During the Barcelona Launching Conference for the joint GWP-Med/OECD/UfM project on Governance and Financing for the Mediterranean Water Sector Project (28-29 May 2013), the choice of Tunisia was confirmed among the countries benefiting with national activities by the Project during its first phase (starting in 2013). In this framework, a multi-lateral meeting was organized on 11 June 2013, in Tunis, with the key stakeholders in relation to water services and private sector participation, including the Planning and Hydraulic Balance Department, the Rural Department and the National Company for Northern Waters Transfer (SECADENORD) within the Ministry of Agriculture, the Public Private Partnership Department and the General Budget Committee within the Ministry of Finances, the Infrastructure Department within the Ministry of Development and International Cooperation and the national water utilities respectively SONEDE for drinking water and ONAS for sanitation.

The meeting was an opportunity to present the Project and the lessons learned from similar exercises conducted by GWP-Med and OECD in other countries. Strengthening the knowledge on the variety of PPP models, their respective objectives, benefits and challenges as well as the roles and responsibilities sharing between the private and the public sector are among the key issues to be considered by the Project. Also, stakeholders' involvement and users' calls in the new socio-political context for good, affordable and equitable service are to be considered. In that context, discussions focused on the methodology to be adopted and the dimensions to be analyzed for the Tunisian case.

Further to confirming the Project's added value and its timeliness in the Tunisian current context, the meeting agreed to constitute the core group for the development and the monitoring of the Project. Wide consultations with other stakeholders, including private sector and civil society, will be organized through a structured dialogue process. Next steps include the preparation of a scope note to provide background for a wide consultation national workshop scheduled for early October 2013 in Tunis.

## **Tunisian 'Water Group' meeting discussed the new IWRM project supported by KfW**

The 'Water Group' is composed by the main technical and financial partners operating in the water sector in Tunisia. It aims at improving information exchange and supporting aid coordination in alignment with the Paris Declaration in the country. GWP-Med is serving with the support of GIZ the 'Water Group' Secretariat since its establishment in June 2012. A regular 'Water Group' meeting was held on 10 June 2013, in Tunis.

The meeting was attended by a KfW delegation visiting Tunisia to discuss a new IWRM Programme with the national authorities. It was an opportunity to present the major orientations of the new Programme and examine synergies and complementarities with other ongoing programmes in the country in order to avoid duplication.

## **Transboundary Water Resources Management**

### **Drin River Basin: Preparation Phase of the new large-scale GEF Drin Project launched in Tirana**

More than 50 stakeholders from countries and partners met on 27-28 May 2013, in Tirana, Albania, to initiate the Preparation Phase (2013) of the GEF UNDP Project *Enabling Transboundary Cooperation and Integrated Water Resources Management in the Extended Drin River Basin*.



This large scale Project (4,5 mil US GEF financing, 2013-2017) is expected to promote joint management of the extended transboundary Drin River Basin by contributing to the implementation of the Drin Memorandum of Understanding (MoU). UNDP is the Implementing Agency and UNOPS, UNECE and GWP-Med the Executing Partners of the Project.

The Inception Meeting was organized by the Implementing Agency and the Executing Partners of the Project and hosted by the Albanian Ministry of Environment, Forestry and Water Administration. Representatives of national authorities, international organizations, joint water body committees and NGOs discussed the content and structure of the project and provided advice to the Project partners with regard to orientation and content. The meeting approved the Project Preparation Phase Work Plan presented by the Project partners.

The Preparation Phase will be concluded until the end of 2013 with the development of the Project Document. The Full Phase of the project is expected to start in early 2014.



For more information, please visit: [www.twrm-med.net/southeastern-europe/supported-processes-and-projects/drin-river-basin](http://www.twrm-med.net/southeastern-europe/supported-processes-and-projects/drin-river-basin)

### **Drin River Basin: 1st Meeting of the Parties to the Drin MoU and 8th Drin Core Group Meeting organized in Tirana**

On 28 May 2013 in Tirana the five Drin River Riparians held the first Meeting of the Parties to the Memorandum of Understanding (MoU) on a Shared Strategic Vision for the Sustainable Management of the Drin River Basin. At the meeting, high-level representatives from the five Riparians decided on an Action Plan to strengthen their cooperation and to address urgent issues, such as flood management and improved monitoring and exchange of information, and outlined other priority steps to be taken, including raising public awareness and involving stakeholders in the management of the basin. In addition, they approved the establishment of three Expert Working Groups under the Drin Core Group (DCG) that is the appointed technical body to advance cooperation. The Meeting was hosted by the Albanian Ministry of Environment, Forestry and Water Administration and was organised by GWP-Med in its capacity as the DCG Secretariat and UNECE.



Furthermore, the outcomes of the Inception Meeting of the GEF Drin Project were presented. The Ministers and Deputy Ministers representing the five Drin Riparians welcomed progress in the preparation of the Project as a contribution to the implementation of the Drin MoU and asked for the content of the Project to be aligned with the content of the MoU to the extent possible.

Following the 1<sup>st</sup> Meeting of the Parties, the DCG convened in a short session and discussed the outcomes of both the Inception Meeting of the Preparation Phase of the GEF Drin project and the follow up steps emerging from the 1<sup>st</sup> Meeting of the Parties. Among others, the DCG Secretariat (GWP-Med) presented a proposed plan of activities to be implemented and supported in cooperation with GIZ under Action 6 of the Action Plan for the implementation of the Drin MoU on 'Promotion of public participation and stakeholders engagement'. Related activities approved by the DCG have been advancing since by GIZ and GWP-Med and their completion is expected by the end of 2013.

For more information, please visit: [www.twrm-med.net/southeastern-europe/supported-processes-and-projects/drin-river-basin](http://www.twrm-med.net/southeastern-europe/supported-processes-and-projects/drin-river-basin)

### **Dinaric Arc Aquifer: GEF UNESCO DIKTAS Project activities advance**

The first half of the year 2013 saw a number of activities in the GEF UNESCO DIKTAS Project including delivery of the Transboundary Diagnostic Analysis (TDA), initialization of the Strategic Action Plan (SAP), meetings of the DIKTAS decision groups and the first announcement of the DIKTAS International Conference and Field Seminar 'Karst Without Boundaries' (11-15 June 2014, in Trebinje, Bosnia & Herzegovina and Dubrovnik, Croatia).

GWP-Med was involved in the elaboration of TDA by providing contribution for the preparation of the stakeholder analysis chapter. In addition, GWP-Med participated in the Project stakeholders meeting in Plitvice, Croatia, in June 2013 and provided substantial contribution for the development of the SAP.

GWP-Med is currently promoting and managing the communication for the DIKTAS International Conference in June 2014. The main aim of the Conference is to enhance cooperation between international karst scientists, engineers and DIKTAS stakeholders and to provide an opportunity for exchange of experiences and ideas applicable to the karst aquifers throughout the world. The Conference will highlight DIKTAS achievements at national and regional level and invite representatives of national authorities, academics, engineers, consultants and others to actively engage in the project activities and contribute to achieving its goals. Additionally, the Conference aims to raise awareness on the vulnerability of karst aquifers and to discuss groundwater protection and related socio-economic and environmental implications.

For more information, please visit: <http://diktas.iwlearn.org/>

## **Adaptation to Climate Variability and Change**

### **Joint efforts for building capacities on climate change adaptation integration into development planning in Tunisia advance**

In the framework of the GWP/AMCOW Water and Climate Development Programme in North Africa (WACDEP), GWP-Med partnered with GIZ for the organization of a joint training on 'Climate change adaptation integration into development planning'. The training is implemented through 2 successive workshops. The first workshop was held on 2-4 July in Tabarka in the North of Tunisia while the second one is planned to be organized in October 2013.

The Tabarka workshop focused on theoretical approaches based on the OECD Policy Guidance 'Integrating Climate Change Adaptation into Development Cooperation' and aimed to equip the participants with the related tools for applying a climate lens, interpreting climate data, assessing vulnerability, identifying adaptation options, selecting adaptation measures and developing Monitoring & Evaluation frameworks.



The second workshop will offer space for participants to apply the acquired theoretical knowledge on the real case of Barbara Dam watershed in the North of Tunisia.

The Training brought together 15 representatives of different governmental bodies at national as well as local level (Ministry of Planning and International Cooperation, Ministry of Agriculture - water and resource department, land and water degradation

department, forest department, local agriculture department, local development office, the Meteorology Institute), private sector, civil society, research institutes, etc.

Through working groups and plenary sessions, participants exchanged their experiences in relation to climate change as well as in connection to their work duties and the possibilities to apply the transferred knowledge.

### **Launching Workshop for the preparation of Tunisian water resources vulnerability maps to climate change organized**

Being located in an arid zone, Tunisia is already facing water scarcity while climate change represents an additional constraint to achieve sustainable development. Therefore, assessing climate change impacts on water resources is a substantial assistance to development planning and decision making for investments.

On the request of the Tunisian government, the GWP/AMCOW Water, Climate and Development Programme in Africa (WACDEP) is leading a national process for the development of water resources vulnerability maps to climate change. The Launching Workshop of the activity took place on 5 August 2013 in the premises of the Water Resources Department at the Ministry of Agriculture, in Tunis. Key stakeholders were represented in the meeting including the various departments in charge of water and climate change in the Ministries of Agriculture and Environment, independent experts and academia. Members of the National Water Information System Project steering committee (SINEAU) also attended.



The meeting aimed to collect key stakeholders' needs as future users of the vulnerability maps as well as guidance recommendations on the methodological approach to be followed. Participants highlighted the importance of stakeholders' involvement throughout the process in order to reach a consensus on the vulnerability indicators appreciation, promote users' ownership and reinforce their capacities to update the vulnerability maps in the future.

Furthermore, participants supported strongly the integration of the vulnerability maps in the national water information system SINEAU to be part of the series of tools provided for decision makers.

For more information, please visit: [www.gwp.org/WACDEP/](http://www.gwp.org/WACDEP/)

### Gozo Island (Malta) public schools enhance curriculum with education on the use of alternative water resources and water saving

A 3-day training seminar for 21 teachers was held on 10 July 2013 in Gozo Island, Malta, focusing on non-conventional water resources, such as rainwater harvesting, grey water and treated wastewater reuse. The seminar took place in the Gozo College, in the framework of the Alter Aqua Programme in Malta, for the second consecutive year.



The training served as an initial in depth capacity building for the teachers on how to use the newly produced educational material on Non-Conventional Water Resources, specially developed for the 'Alter Aqua' Programme.

Alter Aqua is a program on Non-Conventional Water Resources (NCWR) in Malta. It was initiated in 2011 by GWP-Med, in partnership with the Ministry for Gozo (MGOZ) and the Eco-Goza Project and the Coca-Cola System in Malta, aiming to mobilize NCWR in the Island of

Gozo, as a sustainable solution for water availability in view of increasing water scarcity, escalating demand and climate change impacts.



The training seminar was facilitated by the educational team (MEDIES) of the Mediterranean Information Office for Environment Culture & Sustainable Development (MIO-ECSDE) and Nature Trust Malta/EkoSkola Project. The teachers that attended the training showed high interest in the printed educational material that they received as well as the experiential workshops.

The 'Alter Aqua' Educational Material, based on the principles of education for sustainable development, was launched last year. It includes activities, worksheets and methodologies that can be adapted across the curriculum. The supporting series of "hands-on" activities include a series of objects, games and activities designed to support the teacher, while the experiential workshops focused on themes such as: the Water Cycle; Water Monuments; and Water in the Media.

Educational activities commenced in 2012 addressing students and teachers in all schools of Gozo and expanded to five more schools in Malta. To date more than 3200 students have participated in the hands-on sessions and 250 have been trained.

Ms Camilleri, a Year 6 teacher, found the training very interesting: *'It shows that a lot of work was put into the resource pack and hands-on sessions. Historical water structures around the Mediterranean make us reflect that every drop is precious.'*

From a student's point of view, Joseph, in Year 6, said that *'It is a very useful water activity because not only do we learn how to save water but also how to lower our bills. Considering that in Malta, water availability is limited, we need to conserve water. We can thus save the world in many different ways!'*

For more information on 'Alter Aqua' Non-Conventional Water Resources Programme in Malta, please visit: <http://www.gwp.org/en/GWP-Mediterranean/gwp-in-action1/News-List-Page/Malta/>

### News of the GWP-Med Secretariat

#### GWP-Med reinforces its presence in the region: Office opened in Tunis

With its activities expanding, GWP-Med is reinforcing its presence in the region in order to deliver effectively its objectives and be even closer to its partners. A new GWP-Med Office opened on 1 June 2013 in Tunis, Tunisia.

The Office is hosting the GWP/AMCOW Water and Climate for Development Programme (WACDEP) team and is instrumental for the successful implementation of the Programme in North Africa.

GWP-Med

Immeuble Delta Center - Rue des Entrepreneurs, Charguia II

Tunis, Tunisia

Tél : 00216 71 941 882 - 00216 71 942 397

GWP-Med is reinforcing its staff. A vacancy for a Programme Officer with emphasis on adaptation to climate variability and change is open until 22 September 2013.

For more information, please visit: <http://www.gwp.org/GWP-Mediterranean/About-GWP/The-Network/GWP-Med-Secretariat/Vacancies1/>

### SOUTH AMERICA

#### GWP Contributes to Peru's Groundwater Issues

Overexploitation, contamination, and salinisation of aquifers are among the main problems Peru currently faces in groundwater management. To tackle these issues, GWP Peru, with the financial and technical support of GWP South America, held a workshop on "Groundwater: steps towards adaptive and sustainable management" at the National Water Authority's auditorium in Lima on 9 August 2013.

Stephen Foster, a GWP Senior Advisor, gave the keynote speech and provided advice to the national water authorities in meetings which took place during the days after the event.

"Governments in general have acted in the short term and usually believe that by improving irrigation efficiency or increasing aquifers' recharge can solve the problems," said Foster. "We have to think adaptive management because the system is very dynamic and there are constant changes... measuring and monitoring are essential; there should be far more investment in these areas," he added.

Foster called for community involvement in groundwater use together with the need to periodically review the rights given on groundwater use due to the changing situation. When asked about the nexus between groundwater and urban water, Foster was clear: “Groundwater should be at the centre of every discussion on urban water.”

The Head of the National Water Authority, Mr Jorge Montenegro, highlighted the importance of GWP’s contribution, at a time when the Authority is planning on developing a groundwater plan at the national level.

Almost 200 people attended the workshop, which was also streamed live over the internet.

**Related Links:**

[Aguas subterráneas, pasos hacia una gestión adaptativa y sostenible](#) – ANA TV, a video report on the workshop

[Taller Internacional de Aguas Subterráneas: María Luisa Baltra Presidenta GWP Sudamérica](#) – ANA TV interview with the Chair of GWP South America

[Taller Internacional de Aguas Subterráneas: Gabriela Grau](#) – ANA TV interview with GWP Senior Network Officer Gabriela Grau

Stephen Foster’s presentation is available at <http://www.slideshare.net/GWP-Sudamerica/presentation-stephen-foster-gwp-senior-adviser>

Two Perspectives Papers on groundwater were recently published by GWP, with Dr Stephen Foster as the lead author:

[Urban Groundwater - Policies and Institutions for Integrated Management](#) (2013)

[Groundwater Resources and Irrigated Agriculture](#) (2012)

## SOUTH ASIA

**June:**

The work capacity of the GWP SAS Regional Office was further strengthened with the recruitment of new staff to support the implementation of the WAter and Climate REsilience Progamme (WACREP).

**Recruitment of Communications Coordinator**

Ms Gaya Nagahawatta was recruited as the full time Communications Coordinator with effect from 3 June 2013. Gaya has a Bachelor’s Degree in Arts with English, Mass Communication and Translation Methods, and a Postgraduate Diploma in Heritage Studies. Gaya has many years of experience in communication and has worked at United Nations Development Programme (UNDP) Sri Lanka, International Organization for Migration (IOM) Sri Lanka, Young Asia Television (Pvt) Ltd, Sri Lanka Tourism Promotion Bureau and several other government organizations, as well as the advertising industry. Gaya’s overall experience spans diverse areas of communication including writing, editing, handling media and PR, external partner and donor relations, photography, advertising, television

production, teaching, website development, event management, translation and localization, research, project management and providing strategic input.

Ms Chiranthi Rajapakse's contract ended on 30 June 2013.

### **Recruitment of WACREP Program Manager**

Mr Lal Induruwage was recruited as the Program Manager for the Water and Climate Resilience Programme with effect from 17 June 2013. Mr Induruwage has a MSc in Environmental Science and a MBA and has over 27 years of post-graduate experience, 9 years experience in internationally funded natural resource projects and 7 years experience in water related projects. He has been working as a Project Director of ADB Funded, Local Government Infrastructure Improvement Project (LGIP) implemented by the Ministry of Local Government and Provincial Councils in Sri Lanka. This Project has been selected as the Best Project in South Asia Urban Water Department in ADB Manila and he has been selected as the outstanding Project Director in 2013 by the Sri Lanka Resident Mission of ADB.

### **Monthly Report for May 2013 distributed on time**

The Monthly Report for May 2013 was distributed in a timely manner within the GWP network and was also uploaded to the GWP SAS website.

### **Production of Newsletter on India Water Week (IWW) 2013**

A *Newsline* on the India Water Week 2013 was finalized and disseminated within the GWP network. It was also uploaded to the GWP SAS website.

### **July:**

- The Water and Climate Resilience Programme (WACREP) work plan was developed and shared with the Country Water Partnerships for their input. Each country identified activities that they will carry out during the project period, as follows: Bangladesh – 9 activities, Bhutan – 7 activities, India – 14 activities, Nepal – 10 activities, Pakistan – 18 activities and Sri Lanka – 13 activities. Furthermore, 4 regional activities have been identified to be carried out by the GWP SAS Regional Office, in collaboration with the South Asia Co-operative Environment Programme (SACEP). Thus, the finalized work plan and budget has been shared with GWPO for final approval.
- Preparations are underway for the various meetings and events scheduled to take place in Stockholm, including the Communications Meeting on 26 August, Regional Days from 27-30 August and Consulting Partners Meeting on 1 September.

- Preparations are also underway for the Regional Workshop jointly organized with the Asia Pacific Adaptation Network (APAN) on “Training Needs and Gaps Assessment on Adaptation and Resilience to a Changing Climate in South Asia” to be held in Kathmandu on 4-5 September 2013.
- The Monthly Report for June 2013 was distributed in a timely manner within the GWP network and was also uploaded to the GWP SAS website.

**August:**

- The Water and Climate Resilience Programme (WACREP) project documents including work plan, budget and log frame were finalized by the Regional Office and shared with GWPO for review.
- The Global Water Partnership (GWP) had the annual gathering of the 13 regional partnerships, together with other partner organizations and staff from headquarters in Stockholm, Sweden from 26 August to 1 September, this year.

Ms Gaya Nagahawatta, Communications Coordinator, GWP SAS Participated in the Communications Meeting.

GWPO Senior Knowledge Management Officer Dr Danka Thalmeinerova presented the new and improved GWP IWRM ToolBox.

The events proceeded to the Regional Days Chaired by GWP Chair, Dr Ursula Schaefer-Preuss where the focus was to establish a common understanding of global and regional work programmes of GWP. Regional Chairs, Coordinators and Communications Officers; Regional Programme Managers of the Water and Climate Programme; GWP Technical Committee members and GWPO Secretariat staff participated in the regional days meetings. Ms Priyanka Dissanayake (Regional Coordinator), Ms Gaya Nagahawatta (Communications Coordinator) and Mr Lal Induruwage (Program Manager WACREP) participated from GWP SAS.

The morning session was chaired by the Chair of GWP and the new strategy 2020 was the main focus.

Furthermore, on 27 August, an in-depth review was held on developing a shared vision and common understanding of the Water and Climate Programme. A panel discussion was held on ‘Delivering on the Water Climate Programme (WCP) - a Regional Perspective: Progress, challenges, opportunities and constraints’ facilitated by Prof. T. Jønch Clausen. The panel comprised of GWP regional participants from Central America, Southern Africa, the Mediterranean, Central and Eastern Europe and Ms Priyanka Dissanayake (South Asia).

Mr Alex Simalabwi stressed the need of a shared vision and one results framework for all the regions. The outputs and methods of delivery to get results depend on regional and country contexts and the flexibility in the regional approaches is essential for the successful implementation of the Water and Climate Programme. Each Work package (WP) contributes to an outcome challenge and it is not mandatory to have activities under each WP and prioritization of WPs is acceptable considering the regional priorities.

Wednesday 28 August 2013 was dedicated to an in-depth discussion of the 8 work packages of the WCP programme. Titled 'Towards a Shared Vision – Global Water & Climate Programme' and Chaired by John Metzger, GWP Head of Network Operations, it brought together various case studies and experiences from the different regions, highlighting the success stories and challenges. GWP Chair had a lunch meeting with the Regional Chairs and Ms Judy Daniel (Chair, GWP Caribbean) was appointed as the Chair of Regional Chairs.

During the sessions on the Water and Climate Programme, the monitoring and evaluation framework was presented and discussed at length. The log frame which was presented had 23 generic Indicators, upon which GWPO will base its annual monitoring. The generic indicators can be adopted to suit the local/ regional needs.

It was also stated that for the regional versions of this programme, a quarterly report will be introduced.

A joint workshop was held among the regions and the Technical Committee on 29 August, on Thematic content of the 3-years Work Programme's knowledge dimension. The agenda items in the morning session covered Overview of the 3-year Work Programme's - thematic content, TEC draft roadmap 2014-2016, Panel discussion with the TEC members/ theme leaders. Group discussions on the 6 thematic areas in parallel and plenary session: Feedback from discussions on thematic areas were held in the afternoon.

Mr John Metzger emphasized that the 2014-16 work programme should be a straight forward, high level planning document that can be used for regional fundraising. Dr Mohamed Ait Kadi presented the TEC draft roadmap 2014-2016. The Panel discussion with the TEC members led by theme leaders, were followed by parallel group discussions on the 6 thematic areas.

GWP Work Programme 2014-2016 and GWP Work Plan 2014 were discussed on 30 August. It was agreed that templates for the Work Programme/ Budget and progress review will be sent to the regions by 9 September and Dr Ania Grobicki sent the templates and the Regional Office has already sent this to CWPs. However, the Budget Template was sent on 23 September. It was agreed at regional days meeting, the completed regional work programmes, work plans and budgets should be received by the GWPO Secretariat no later than 24 October 2013.

*The meeting of the Financial Partners Group on 11 November 2013 and the GWP Steering Committee (SC) meeting is scheduled for 27-29 November 2013. Clarification was made with GWPO about having the GWP SAS RC meeting on 21-22 November. If (for any reason) the RC meeting happens after the GWP SC (it has happened many times in the past), GWPO will use the best available information for presentation to the GWP SC and mention a caveat like "pending final approval by RWP governance". Any changes happening at the RWP RC meeting will be fed back in the process when known by GWPO.*

Mr Lal Induruwage and Ms Priyanka Dissanayake had a meeting with Mr John Metzger, Mr Alex Simalabwi and the GWP SEA Chair, GWP SEA Regional Coordinator & the GWP SEA WACDEP Programme Manager on GPW SAS & GWP SEA Joint Water & Climate Programme. Ms Priyanka Dissanayake and Mr Lal Induruwage had a meeting with Ms Catharina Sahlin-Tegnander, Senior Manager Finance and Administration; Ms Sandra Lindholm, Financial Officer and Mr Peter Nyman, Financial Officer and had a detailed discussion on the WACRP Budget. The GWPO finance team made suggestions and clarifications and Mr Lal Induruwage will incorporate the improvements.

Mr Lal Induruwage, Mr Jacques Rey and Ms Priyanka Dissanayake had a meeting with Mr Frederik Pischke (GWPO staff based in Geneva WMO) regarding IDMP. The GWP SAS long pending IDMP proposal will be revised and submitted to WMO through Mr Pischke.

- Preparations are underway for the Regional Workshop on “Training Needs and Gaps Assessment on Adaptation and Resilience to a Changing Climate in South Asia” to be held in Kathmandu on 4-5 September 2013.

## **PART 2: REPORT BY BANGLADESH WATER PARTNERSHIP (BWP)**

**June:**

### **1. Training of Trainers on IWRM Practices**

Center for Environmental and Geographic Information Services (CEGIS) has organized a training programme on *Training of Trainers (ToT) on IWRM Practices in Real World Situations* from 1-6 June 2013 with financial assistance from Bangladesh Water Partnership (BWP) and Uttaran, a NGO from the south western part of Bangladesh. Twenty four participants attended the TOT training course which consisted of two parts. First part was on concepts and principles and the other part was on assessment of field application of IWRM. The main purpose of the training programme was to introduce the IWRM concept, its principles and to share application experience with district level as well as regional level water managers and experts. The 1<sup>st</sup> part was held at CEGIS premises from 1-3 June while the 2<sup>nd</sup> part was held in Uttaran, Tala, Satkhira from 4-5 June 2013. Closing ceremony was at CEGIS on 6 June 2013. 30 classroom lectures were delivered by 21 specialists from different disciplines and organizations on different aspects of IWRM.

Through this training the participants were exposed to intensive learning on various aspects of IWRM. Theory and concepts presented in the classrooms followed by extensive field work prepared the participants not only to apply IWRM to their respective areas of work but also trained their staff as next generation of IWRM professionals which is the principal objective of the ToT programme.

Some pictures of the important events:



*Knowledge sharing on IWRM concept and principles*



*Knowledge gathering during field visits to Tala, Satkhira*

## **2. Observance of World Environment Day 2013**

### **2.1 World Environment Day Celebration with BFRI and Gorai AWP**

Bangladesh Folklore Research Institute and Gorai Area Water Partnership organized a seminar on World Environment Day, sponsored by Bangladesh Water Partnership. The seminar was held at the Conference Hall of the Deputy Commissioner, Kushtia on 5 June 2013. Professor Dr Anwarul Karim, Executive Director, Bangladesh Folklore Research Institute, Kushtia and Chairman, Gorai Area Water Partnership presided over the seminar. The Deputy Commissioner, Kushtia Syed Belal Hussain was the Chief Guest. Dr Fara, a British citizen and medical doctor, Mr Mizanur Rahman, Assistant Chemist, Department of Environment, Kushtia and Advocate Shanka Kumare Roy, Convener, BLAST attended the seminar as special guests. A number of participants including Additional Deputy Commissioner General, magistrates and senior government and non-governmental officials, Head Masters of schools, NGO personnel and media personnel also spoke on the occasion. Around 100 students of different rural-based schools participated in the programme. The theme for this year's World Environment Day celebrations is *Think.Eat.Save*. This theme is an anti-food waste and food loss campaign that encourages one to reduce one's footprint. According to the UN Food and Agriculture Organization (FAO), every year 1.3 billion tonnes of food is wasted in the world. At the same time, 1 in every 7 people in the world go to bed hungry and more than 20,000 children under the age of 5 die daily from hunger. One should be more careful about food waste as it leaves an enormous imbalance in lifestyles and the resultant devastating effects on the environment. This year's theme – *Think.Eat.Save* – encourages everybody to become more aware of the environmental impact of the food choices one makes.

The Chief Guest, the Deputy Commissioner, Syed Belal Hussain congratulated BFRI for inviting school children who could understand the importance of the day and also the gravity of the situations. He expressed his full support to BFRI for a successful awareness programme among school children. He declared that he made the food market in Kushtia district free from formalin - a hazardous chemical used as preservative – which was threatening food security in the area.

## 2.2 World Environment Day Celebration with CEGIS

In order to encourage the prevention of food wastage and to raise awareness on environmental impact of the food choices people make, the theme titled *Think.Eat.Save* was selected for this year. With the intention of creating awareness among the general public on this topic, Center for Environmental and Geographic Information Services (CEGIS), Bangladesh Water Partnership and EPRC jointly organized a workshop titled “Integrated Natural Resource Management in Food Security” on 9 June 2013 at Haimanti conference room at the Bangladesh Forest Department. Mr Ramesh Chandra Sen, Minister of the Ministry of Water Resources graced the occasion as chief guest and Mr Alhaz Md Mahbubur Rahman, State Minister, Ministry of Water resources participated as a special guest in the programme. Mr Sheikh Altaf Ali, Senior Secretary, Ministry of Water Resources and Dr M A Sattar Mondol, Member of Agriculture, Water Resources and Rural Development, Planning Commission also attended the meeting as special guests. The programme was presided over by Mr M A Hannan, Additional Secretary, Ministry of Environment and Forests.

In the technical session, Engr. Waji Ullah, Executive Director, CEGIS, made a presentation on ‘Natural Resources Management and Food Security’. Mr Azizul Hauque, Director General, Bangladesh Water Development Board presented the keynote paper on the topic.

The technical session was followed by deliberations from 8 designated panelists including Dr K. Azharul Haq and Dr Bilquis Amin Hoque from BWP. Subsequently, the event was opened for questions from the floor.



Engr. Md. Waji Ullah presenting his paper



Participants at the event

### ❖ Activities outside the work plan of BWP

#### 1. Develop the investment framework for surface water irrigation

Food and Agriculture Organization (FAO) in association with Bangladesh Agricultural Development Corporation (BADC) organized a day long initial consultation workshop to develop the investment framework for surface water irrigation under the project entitled “Improving Surface Water Irrigation in Coastal Areas and Sylhet Division in Bangladesh” on Saturday, 22 June 2013 in the Bangladesh Parjatan Corporation (Hotel Abokash), Mohakhali.

Md. Zahir Uddin Ahmed ndc, Chairman, Bangladesh Agricultural Development Corporation (BADC) was the chief guest at the workshop. Mr Mukul Chandra Roy, Director General, Department of Agricultural Extension (DAE) and Ms Rosanne Marchesich, Deputy FAO Representative in Bangladesh were the special guests. Md. Abdus Samad, Director, Bangladesh Agricultural Development Corporation (BADC) presided over the event.

A presentation was made by Mr Phill Riddell, Consultant, FAO on “The Theory and Practices of Investment and Results Monitoring Frameworks.”

The presentations were followed by a question/ answer session. Later the participants were divided into the following 3 groups to develop different components of the framework.

Group 1: Objectives and indicators

Group 2: Typology

Group 3: Time frame

Dr K. Azharul Haq, Vice President, BWP chaired the group discussion session of the event. Ms Mukta Akter, Asst. Executive Secretary, BWP also actively participated in Group 2 of the group discussion.

## **July:**

### **1. The 42<sup>nd</sup> Executive Committee (EC) Meeting of BWP**

The 42<sup>nd</sup> Executive Committee (EC) Meeting and the 3<sup>rd</sup> for the year 2013 was held on 31 July 2013. The principal agenda was to review the progress of implementation of the 2013 work plan and progress on additional activities outside the work plan of BWP, for the year 2013. The meeting was informed that 10 out of 16 planned activities of BWP for 2013 were completed and the rest are on schedule. The meeting also informed the committee about the following activities outside the work plan of BWP, for 2013:

- a) Final report on the Pilot Project for “Bangladesh Delta: Managing for Effective Water Solutions” has been submitted to GWP SAS for funding.
- b) Program Budget and Implementation Plan for the project “Water & Climate Resilience Programme” (WACREP) funded by DFID has been developed and submitted to GWP SAS regional office in July 2013.
- c) The meeting updated the EC about the status of the collaborative work with WMO to develop a project for APFM.

The EC expressed its satisfaction on the status of the implementation of the work plan and thanked BWP for moving ahead successfully with the additional activities for the year 2013.

### **BWP Activities outside the work plan for 2013**

#### **01. Preparation of the programme budget and implementation plan for the project WACREP funded by DFID.**

GWP SAS has secured EUR 300,000 for 2013 and EUR 500,000 for 2014 for all CWP's and the Regional Office, for the WACREP Programme.

BWP received the following specific templates from Mr Induruwage, Program Manager, Water & Climate Resilience Programme, GWP SAS to develop the WACREP activities for the country:

1. Work Plan and Budget 2013-15
2. Work Plan
3. Implementation Plan

BWP submitted the above templates which were completed with the assistance from Mr Giasuddin Ahmed Chowdhury, Adviser, CEGIS. A total number of 10 activities have been proposed for the period Sept. 2013 - March 2015 with a budget of €1,51,800.

#### **02. Development and submission for funding, the project titled "Proposal for Building Climate Resilience in the Bangladesh Delta: Managing for Effective Water Solutions"**

BWP with assistance from Mr Giasuddin Ahmed Choudhury developed and submitted the proposal entitled "Proposal of a Pilot Project for Building Climate Resilience in the Bangladesh Delta: Managing for Effective Water Solutions" as well as the associated project log frame, for funding to GWPO. The main task of the project is to develop this proposal further for submission by GWPO for funding. The proposal is being jointly developed by GWPO and Delta Alliance.

After receiving comments from GWP about the Proposed Delta Pilot Project, it appears that GWP and Delta Alliance will jointly restructure the proposal for funding at the pilot phase.

#### **03. Status of the collaborative work with WMO in developing a project for APFM**

At the request of the AFMP of WMO, BWP formed a committee to discuss the proposal. The committee designated IWM to lead the APFM activities as the focal point. In response to BWP's request, APFM has agreed to initiate their programme in Bangladesh later this year with a regional workshop. They have also requested BWP to prepare a proposal for funding assistance

and provided some guidelines and a sample proposal. BWP is now in the process of developing the proposal.

**August:**

### **1. Publication of Newsletter of BWP**

Bangladesh Water Partnership has finalized the newsletter summarizing all activities carried out in 2012 to publish and disseminate among its partners and individual members.



The first and final pages of the BWP newsletter

### **2. Steering Committee Meeting of Bangladesh Women and Water Network (BWWN)**

The 20<sup>th</sup> SC Meeting of BWWN was held on 27 August 2013. The principal agenda was strengthening of BWWN. The meeting has taken decision to hold a workshop on “Strengthening Bangladesh Women and Water Network (BWWN) and its Activities” on 14 September 2013. Preparation for holding the meeting has already been completed.

### **3. Meeting of BANCID**

BWP was invited to participate in the meeting of Bangladesh National Committee of the International Commission on Irrigation & Drainage (BANCID), which was held on 20 August 2013 at Dean’s Office, Faculty of Civil Engineering, BUET.

The programme was chaired by Prof. M. Mirjahan, Dean, Faculty of Civil Engineering, BUET. The objective of the meeting was to discuss and finalize the publication of BANCID Newsletter for 2013. BWP participated in the meeting.

### **4. Preparation and Finalizing of the WACREP Program for 2013 – 2015**

In consultation with and guidance of the GWP SAS and Program Manager WACREP, the programme has been finalized. A total number of 6 activities have been approved for implementation during the project period at a cost of nearly €86,250. Two below mentioned programmes have been planned for implementation in 2013.

1. BWP will conduct a national dialogue on delta issues and their effective solutions to assist BDP Team in preparation of Delta Plan.
2. To take steps to share lessons on current issues and opportunities in addressing Deltaic Regions BWP will arrange a regional workshop in Bangladesh.

The first one has been scheduled to be held on 28 September 2013 and preparation is nearly complete. The second one will be implemented on 28 December 2013. Preparation for this has also begun.

### **PART 3: REPORT BY BHUTAN WATER PARTNERSHIP (BhWP)**

#### **June:**

##### **1. IWRM sensitization workshop for local leaders**

The IWRM sensitization workshop for the local leaders was conducted with an aim to educate and sensitize them in terms of water resource management at the community level. 26 local leaders and 6 other officials from two districts attended the sensitization workshop conducted on 15 June in Punakha district.

During the workshop the participants were sensitized on water resources and related issues. Speakers from various agencies such as Hydromet Services, Public Health, National Environment Commission, Royal Society for Protection of Nature talked about the status of water at global, regional and local levels and on the water policies. People were clearly informed that water is one of the natural resources that is degrading and will continue to do so. Conflicts among different users, communities and regions may arise as water resources diminish. Therefore water resource management has to be integrated and had to be addressed through a collective effort.

The workshop also focused on the role that local leaders could play for the utilization, distribution, conservation and management of water at community level. Conflict solving tips at community levels were also discussed.

A representative from Bhutan Trust Fund for Environmental Conservation presented the funding opportunity for community based projects related to environmental conservation and particularly for water resource management.

##### **2. BhWP's support to Social Forestry Day**

BhWP supported a volunteer group that had taken the initiative to plant trees in the degraded areas around the capital city. The volunteer group was joined by RSPN members and staff during the plantation activities on a number of days. A total of 2,500 oak saplings were planted at two different sites.

##### **3. Community initiatives to address water issues (Action grant)**

The executive members of BhWP approved three proposals for action grants. Two schools to implement projects to provide safe and adequate water for drinking and sanitation purposes and one

monastic institution to improve their catchment areas and bring water from the source to the institute for drinking and sanitation were selected.

All three projects will continue their activities till December 2013 and the final report of the projects will be produced subsequently.

**July:**

No significant activities to report, except the development of activities and budget for WACREP.

**August:**

As reflected in the work plan, BhWP plans to develop materials on efficient and optimal use of water. BhWP members met on 24 August 2013 to discuss and brain storm on what type of awareness materials to be developed and where to display the materials for education and awareness purpose.

It was decided that BhWP will provide funds to the Communication division of RSPN for the development of awareness materials on efficient and optimal use of water, however, the BhWP Country Coordinator will monitor and approve the materials. The materials will be displayed during the Civil Society Fare on 11 and 12 October 2013 coinciding with the Royal Weeding Day. It is expected that thousands of students and trainees from institutions and local people to gather for the fare.

Photographs will be taken during the show and can be shared in the next monthly report.

#### **PART 4: REPORT BY INDIA WATER PARTNERSHIP (IWP)<sup>1</sup>**

**June:**

**I. Activities undertaken by People's Area Water Partnership (PAWP) in Dhenkanal District, Odisha**

Arun Institute of Rural Affairs (AIRA), the co-ordinating agency of PAWP, with the support of India Water Partnership undertook the following activities in June 2013:

**(i) Dialogue sessions with Panchayati Raj Institutions (PRI)/other stakeholders on water inclusive of water regulators**

Two dialogue sessions were organized at Manitri and Rainusinghapur on 06 June 2013 and 15 June 2013, with Mr Iswar C. Panda welcoming the participants on behalf of GWP India and AIRA. Mr Golak Bihari Panigrahi (Asst. Director, AIRA) stated the objectives and agenda of the session.

Mr R. Sethy, Head, Local Area Water Partnership from Rainusinghapur, raised the issue of poor maintenance of the systems of Dandadhar Irrigation Project. He said that 60 villages in the command area and another 60 villages downstream of Ramial river are not getting their due share/ benefits of farm-water. These peasant dominated village public should have been agriculturally and economically

advanced with right use of the project potential. He urged to go for additional structural improvement on the distributary mechanism/ canal systems of the project.

Mr G.S. Das, Head, Local Area Water Partnership of Manitri raised the cases of the 3 sub-branches of Ramial river at Kangeilo, Jagannathpur and Pipala. These branching out channels have remained a bane for the villages, especially to the farming communities when they are in full flow during rainy season. As a safeguard there have been petitions and public urges for construction of small bridges and stone bonding to which the authorities have not yet responded positively.

Mr B.K.Sahoo, from Kadua-Bhagirathpur Local Area Water Partnership presented the case of Kalavila and Chadeichhada nallah (drain). The huge potential of water flow in the 2 streams just goes waste when drained into the Ramial without any irrigation structure on these streams. A few local farmers only use a bit of the water through raw manual mechanism of lifting water to their small crop patches on their own arrangement. Mr K. Behera expressed his concern over the apathy of the concerned officials who have so far avoided such potential irrigation sources for coverage under any plan.

Mr A. Rath, summarized the key points of the event and requested the members to suggest the future course of action for the PAWP.

In the dialogue, decision was taken to undertake the following activities in the coming months:

- Contacting agriculture officials and discussing with them about sharing of water and open space, additional plans for proper recharging of ground water, creating additional water sources for the communities in the periphery.
  - Leading delegates of farmers/ Local Area Water Partnership members to the district and sub-district agriculture officials for seasonal farm seeds and other support.
- (ii) **Liaison with networks and organizations working on water, sanitation/ water quality and natural resource sector**

A meeting was organized on 12 June 2013 with the local community leaders of villages Kateni, Upar Taila, Julang and Tumusinga under the umbrella organization called Zilla Chasa O Paribesh Surakshya Parishad, Dhenkanal. In the meeting, a detailed discussion was held on the problems faced by the farmers concerning mal-functioning of irrigation machines, shortage of seeds and manures provided by the Agriculture Department and also problems faced by the people under PAWP for drinking water and sanitation. A team consisting of the members of Zilla Chasa O Paribesh Surakshya Parishad and PAWP was constituted to visit the District Agriculture Office and Rural Water and Sanitation Office for submission of memorandum to resolve the issues pertaining to agriculture, water and sanitation.

## **II. Activities undertaken by South Zone Water Partnership (SZWP)**

Development of Humane Action (DHAN) Foundation, the co-ordinating agency of South Zone Water Partnership (SZWP) undertook the following two activities in the month of June 2013:

***(i) Follow-up of the Farmer Stakeholder’s Dialogue on “Inland Fisheries and Policy Implications”***

In continuation to the Farmer Stakeholder’s Dialogue on “Inland Fisheries and Policy Implications” organized by DHAN Foundation on 4 May 2013 at Madurai, SZWP coordinator shared the resolution passed in the dialogue with Fishery Department of Government of Tamil Nadu and Odisha Tribal Livelihood Empowerment Programme (OTELP), Government of Odisha. The Policy brief from the consultation is being prepared for print and has been considered for sharing with policy makers. In Odisha, DHAN Foundation proposes to develop Inland Fishery Promotion for 150 fresh water small ponds involving tribal women. OTELP has in principle accepted the proposal and has expressed willingness to support.

***(ii) Installation of Bio-sand Filters***

DHAN Foundation has taken-up improved technique viz. bio-sand filter as a cost effective and efficient household water filtering method to the Tank Associations (Water Users Association) in Madurai, Pudukottai and Kanchipuram districts of Tamil Nadu. Nearly 130 bio-sand filters have been installed to benefit 130 households which has enabled them to access safe drinking water. Furthermore, Save the Children - India, Andhra Pradesh Unit requested information on fabrication and installation of bio-sand filters from DHAN Foundation, in order to support internally displaced children. Hence the DHAN Foundation is planning to conduct orientation training for the Save the Children Team in Chittoor district of Andhra Pradesh.

### **III. Activities undertaken under Jajmau Area Water Partnership at Kanpur, Uttar Pradesh**

#### ***3.1 Project Coordination Committee Meeting***

India Water Partnership (GWP India) has been putting efforts to make Ganga river pollution free through Jajmau Area Water Partnership which is under formation. GWP India partner organization, Society for Promotion of Wastelands (SPWD) is undertaking this activity with the support from its sub-partner of Society for Action in Community Health (SACH). In this regard, SPWD along with SACH organized a meeting of the Project Coordination Committee on 27 June 2013 at New Delhi. Outcomes of the meeting are as follows:

- (i) It was decided that a process of interaction with various tannery associations in Kanpur, will start in July 2013. At the same time interaction will also happen with various government stakeholders like State Pollution Control Board, Central Pollution Control Board, Department of Urban Development – Govt. of Uttar Pradesh to understand their views to find out technical solutions to stop the waste water flowing out from the tanneries and being released to the Ganga river.

- (ii) It was also decided that contacts will be made with Ganga river activists in Delhi, Vrindavan, Mathura and Agra (for Yamuna); Mirzapur, Allahabad and Varanasi (for Ganga) to set up Area Water Partnerships in these cities. It is hoped to organize initial meetings in all these cities by the end of August 2013.
- (iii) The Committee members were informed that the draft of an information brochure on- **Causes of Ganga Pollution - Case Study of Kanpur** has been finalized. It will be disseminated in Kanpur and other cities to educate all on the real challenges of Ganga river pollution.

### **3.2 Meeting of Jajmau Area Water Partnership (AWP) members with Tannery Association**

Members of Jajmau AWP Kanpur met with the owners of Tannery Industry in Kanpur and discussed the issues regarding the Effluent Treatment Plant used by the Tannery Industries. Following are findings of the meeting.

- The 36 mld - Dutch UASB technology based Common Effluent Treatment Plant was set up in 1995 and is now obsolete.
- The tannery association would like this plant to be replaced by the Italian Technology. The state government has also expressed agreement for this solution.
- The tannery owners are totally opposed to any plans of shifting the tanneries elsewhere in Uttar Pradesh.
- More discussions are being organized with the Department of Urban Development, Govt. of Uttar Pradesh to prepare the modalities of setting up this plant.
- The current plant is managed by the Uttar Pradesh Jal Nigam, which has not been able to do an effective job.
- The government wants to withdraw from its responsibility and would like to have the plant set up under the PPP model.
- The Jajmau AWP has decided to mobilize various stakeholders in Kanpur to contribute to decision making on this critical issue.

### **IV. Research Study on “Policy Initiative on Ground Water Legislation in the Eastern States of India” - By Eastern Zone Water Partnership**

With the support of National Institute for Development, the co-ordinating agency of Eastern Zone Water Partnership is undertaking a study on **“Policy Initiative on Ground Water Legislation in the Eastern States of India”**.

This study began in March 2013 and is expected to be completed by August 2013. This initiative is aimed at documenting the ground water situation in the eastern states of the country as well as to study the gaps in the Ground Water Legislation of these states.

Gathering information from secondary sources on the ground water situation and ground water legislation of West Bengal was done in May and now the collection of documents on the ground water situation of Bihar has been completed.

Some of the important findings of Bihar are:

- Bihar is blessed with ground water reserves of 29.19 BCM and the net ground water availability stands at 27.42 BCM. The annual draft stands at 10.77 BCM.
- The stage of ground water development in Bihar is 39% as against the national average of 58%.
- Bihar does not have any over exploited, critical or semi-critical blocks. Ground water user maps are available for all 38 districts of Bihar.
- As many as 21 districts in Bihar have the problem of iron contamination. While parts of nine districts are affected by fluoride, and as many as 15 districts have the problem of Arsenic in different areas. Parts of 9 districts are affected by Nitrate contamination.
- One of the areas of concern for the Bihar Groundwater (Regulation and Control of Development and Management) Legislation, 2006 is that it does not have any provisions for the participatory ground water governance, or decentralization of authority for the regulation and management of ground water.

#### **V. Process for formation of Middle Waingangā Area Water Partnership, Maharashtra State**

Wainganga is the largest sub-basin of Godavari river which occupies an area of 36,306 km<sup>2</sup>. The basin has unique physical, social and political features. It is a region with the highest forest cover in the State of Maharashtra. However, the region is affected by Naxalism and suffers from a developmental backlog despite the availability of natural resources. The water users in Wainganga river sub-basin face many challenges to manage their water resources. Flooding has been a major problem in the past. Failure of agriculture has contributed to the rise of farmers' suicides in Vidarbha region. Untreated waste water from Nagpur city released in Wainganga from its tributaries, such as Kanhan, is polluting surface water and groundwater.

Keeping the above issues in view, GWP India decided to form an Area Water Partnership which can address the urgent issues of the local communities living in and around Wainganga river sub-basin. For this purpose, GWP India has engaged Gomukh Trust, the co-ordinating agency of West Zone Water Partnership which is already involved in the preparation of Integrated Water Resources Development and Management Plan for Wainganga river sub-basin. Accordingly, the formation of Middle Wainganga Area Water Partnership (AWP) by the Gumukh Trust has started in 2013.

In the month of June 2013 the Gomukh Trust has undertaken the following activities:

##### ***Activity 1: First Meeting of Wainganga AWP***

The first meeting of Wainganga AWP was held on 14 June 2013. In the meeting, discussions were held on the recently tenders issued by the State Govt. for fishery development in the region. The members decided to prepare a plan for fishery development to ensure protection of rights of the local fisherman

in the process. The plan will be shared with the villagers to get their consent. The meeting was attended by Dr Harishchandra Borkar of Zadiboli Sahitya Mandal, Mr Vilas Bhongade of Gosikhurd Sangharsh Samiti, Dr Amol Padwad of Bhandara Nisarga va Sanskruti Abhyas Mandal and Mr Manohar Bhrushundi, Retd. Deputy Director (Fishery Department), Govt. of Maharashtra.

### **Activity 2: Assessment of status of drinking water supply and sanitation**

The team of Waingangā AWP collected data related to drinking water and sanitation from 8 Municipal Councils of the basin area of Waingangā river. The data includes the capacity of the pumping station, filtration tank capacity, distribution tanks, number of individual and public connections for water supply, manpower involved in the work and water quality monitoring. Following observations have been made by the team:

- At many places the installed capacity of the system is less than the required amount of water to be supplied. For instance, at Bhandara the filtration tank capacity is 9 million litres per day (MLD), whereas the required capacity is 14 MLD.
- The distribution tanks have the capacity of 5.5 MLD. So the water supplied to the region is 55 litres per capita per day (lpcd) instead of 140 lpcd.
- The water quality testing is done by the District Health Laboratory. The testing report is not maintained sample-wise, but a conclusive mention is that the appropriateness of the sample is recorded in the report.

### **Activity 3: Meeting with villagers of Khamba in Sakoli Tahsil of Bhandara district**

The Wainganga AWP team visited Khamba village to discuss about the drinking water problems prevalent in the village. This village faces an acute drinking water problem as the hand pumps are the only source of water, but are defunct and remain in non-working condition for long. In this regard, a meeting was conducted by the AWP team with the villages to explore other solutions like providing open wells. The villagers also requested for assistance in setting up public wells in the village.



Wainganga AWP members at a meeting with the villagers of Khamba

### **Activity 4: Rally of school children to understand the impact of traditional and modern drainage system**

A prabhat-pheri (morning rally) of the students of Wainganga Vidyalaya, Paoni was organized on the issue of traditional and modern drainage of the Pauni village. Mr Raju Dikshit and Mr Prabhakar Panke

coordinated the rally. The rally visited two tanks, namely Balsamudra and Kurhada, where the waste water of Pauni village is released. They also visited the Jagannath Stoop on the banks of Balsamudra tank. In the traditional system of drainage, sewage water is not released in the Wainganga River. Following were the observation made:

- Due to change in land use patterns of Pauni village, some of the waste water is discharged into Wainganga River.
- Due to encroachments on the banks of the Balsamudra tank, there has been a reduction in the tank size.

## **VI. Participation in the Meetings/ Seminars**

### **6.1 Meeting of the Core Committee of India Water Week – 13 June 2013**

As a member of the Core Committee of India Water Week, Dr Veena Khanduri, Executive Secretary, GWP India attended the meeting of India Water Week at Ministry of Water Resources, Government of India on 13 June 2013. The meeting was convened under the Chairmanship of Special Secretary, Ministry of Water Resources to seek views of the Core Committee members for organizing India Water Week 2014.

### **6.2 Seminar on “Appropriate irrigation solutions for farmer livelihoods in India” – 14 June 2013**

A seminar on “**Appropriate Irrigation Solutions for Farmers Livelihoods in India**“ was hosted by International Development Enterprises India (IDEI) and Global Institute For Tomorrow (GIFT) at New Delhi on 14 June 2013. Dr Veena Khanduri, Executive Secretary (GWP India) and Ms Pritha Bhattacharya Research Associate, (GWP India) attended the seminar.

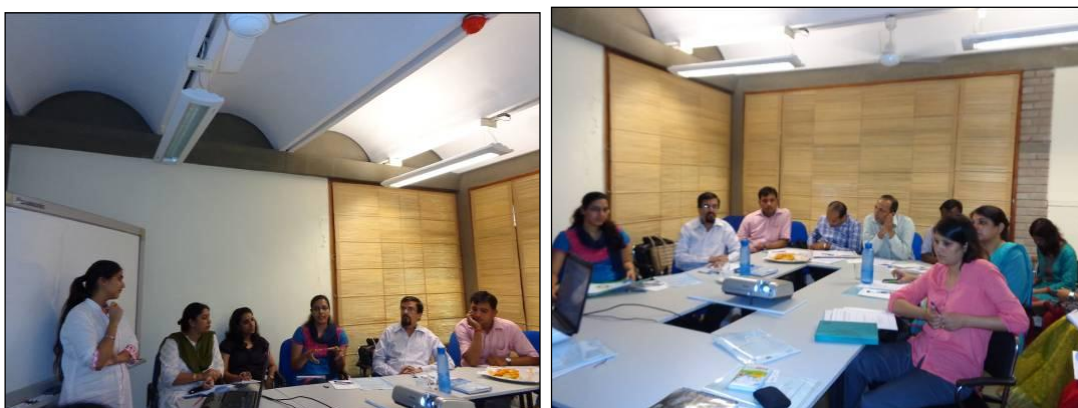
Twenty three (23) participants of the seminar from 10 global companies were trained by GIFT to come up with solutions for IDEI on creating irrigation solutions for small scale farmers. The participants were earlier taken to villages of North India to get an idea about the challenges faced by small farmers to secure irrigation for their crops. Based on field visits and interactions with local farmers, the team came up with solutions and made recommendations for IDEI on ways to leverage its existing resources and review its organisational structure to reach more farmers effectively. The group also submitted a business plan for profit enterprise for IDEI to promote and distribute water lifting devices (including IDEI’s flagship treadle pump), to attract capital and further promote the sales growth of irrigation solutions across India. Mr Amitabha Sadangi, entrepreneur and Founder CEO of IDEI also shared his views and vision of IDEI.

## July:

### I. Expert Group Meeting and National Workshop on Household Water Treatment and Safe Storage

In order to create awareness and promote efficient water use through improved and water efficient technologies, an expert group meeting and a National Workshop on Household water treatment was conducted in July 2013 by Development Alternatives, New Delhi with the support of India Water Partnership.

**Expert Group Meeting:** An expert group meeting was organized on 2 July 2013 at Development Alternatives Headquarters, New Delhi. The purpose of the meeting was to discuss the issues related to drinking water quality and the challenges faced by the bottom of pyramid i.e. people living in the urban slum area. Focus of the discussion was on *“how household water treatment and safe storage can be taken up at policy level”*.



Participants attending the Expert Group Meeting at Development Alternatives Headquarters, New Delhi

### National

**Workshop on Household Water Treatment and Safe Storage** - In order to discuss the issues on appropriate technologies on household water treatment and safe storage and the policy imperative with larger stakeholders group, a national level workshop on Household Water Treatment and Safe Storage (HWTS) was organised on 10 July 2013 by Development Alternatives, New Delhi with the support of India Water Partnership. The workshop was attended by 58 participants from various organisations working in the water sector. The workshop started with an inaugural address by Mr. R.K. Khanna, former Chief Engineer, Central Water Commission. Mr. Khanna highlighted the issues of water quantity and quality and emphasised on the need for appropriate HWTS methods and awareness generation. The key note address was given by Dr. Jugal Kishore of Maulana Azad Medical College, New Delhi. Dr. Kishore emphasized the importance of safe drinking water for human health and the implication it can have on various aspects relating to human health. He also emphasized the fact that apart from safety at consumption level, it is also important to have a safe storage and the need for HWTS as it is quick, effective, low cost, sustainable etc. He also discussed about some of the effective ways and means that can be adopted under HWTS. There was also a panel discussion on the policies and programmes for HWTS. The panellists for the panel discussion were Dr. Lalit Sharma (IRRAD), Dr. Somanath Bandhopadhyaya (Safe Water Network), Mr. Murali Remisetty (Freshwater Action Network South Asia), Dr. Dhanuraj (Centre for Public Policy Research), Dr. Amit Nair (WASH Consultant), Dr. Abhay Kumar (Eureka Forbes Limited). The panel discussed issues of governance, capacity building and regular water quality monitoring systems. Followed by the panel discussion, a policy note developed by Development Alternatives on the HWTS on the basis of their work done in the areas of Delhi slums, was shared with the participants for their views, comments and suggestions. The policy note captured some of the policy and programme recommendations for promoting HWTS among urban poor.



Panel discussion taking place during National Workshop on Household Water Treatment and Safe Storage at New Delhi

## II. Consultation with Farmers' Federation/ Government Officials

With the support of India Water Partnership, Development of Humane Action (DHAN) Foundation the co-ordinating agency of Southern Zone Water Partnership (SZWP) carried out the following activities during July 2013:

- Consultation with Farmers' Federation** - SZWP had organized a consultation with the farmers at Ramasamudhram Mandal of Punganur Vayalagam Federation on deepening of cattle feed pond on 15 July 2013 in Chittoor district of Andhra Pradesh. Chittoor district of Rayalaseema region of Andhra Pradesh has been facing droughts for the past three years which has made farming very vulnerable. The farmers felt climate change was the reason behind the recurrent drought in Chittoor district. The members who took part in the consultation suggested that construction of new cattle ponds and deepening of existing ponds in the most deserving area of Chittoor district could help them to overcome the climate change impacts to some extent. For construction of ponds, the team of DHAN Foundation with the Punganur Tank Farmers Federations have made field surveys and identified villages in and around Punganur and Ramasamudram Mandals which were the worst drought affected area in the last few years. The physical work implementation and demonstration would be taken up during August and September 2013.
- Meeting with government officials** - In continuation of Farmers' Stakeholders Consultation on Inland Fisheries organized on 4 May 2013 by DHAN Foundation, Madurai. Memorandum based on the deliberations and sub group interactions was prepared by SZWP. The memorandum was sent to decision makers in the Government both at Centre as well as state level (Tamil Nadu, Andhra Pradesh, Karnataka and Odisha) in Department of Livestock and Fisheries. The government departments have acknowledged the receipt of memorandums and would probably invite Dhan Foundation for discussions subsequently.
- Consultative meeting** - SZWP secretariat had circulated three important documents from the website of Ministry of Water Resources, Government of India; namely (a) Draft National Water

Framework Bill 2013; (b) National Policy guidelines on Water Sharing between States; and (c) Draft River Basin Management Bill to development experts in water sector in Tamil Nadu and invited their views and suggestions on these three documents. In this regard a consultative meeting was also held at DHAN Foundation Head Quarters at Madurai on 27 July 2013. The consultation was facilitated by Mr A. Gurunathan, Chief Executive, DHAN Foundation with a power point presentation on the documents. Nearly two and half hours deliberations on the actions to be taken out of these new policy documents were made and it was decided to share outcome of the consultative meeting with government officials.

### III. Activities undertaken by People's Area Water Partnership (PAWP) in Dhenkanal, Odisha.

With the support of India Water Partnership, Arun Institute of Rural Affairs (AIRA,) the co-ordinating agency of PAWP undertook the following activities in July 2013:

- **Liaison with networks/ forums and local organizations working on water issues:** PAWP organized a consultation workshop with members from Community Based Organizations, Pani Panchayats and Panchayati Raj Institutions on 19 July 2013 at Kamakhyanagar. The workshop was attended by Mr. A. Rath, Ms. P. Sethi, Mr. G.P.Nayak (PAWP), members of Paschim Parimal Vikash Manch, Zilla Chasa 'O' Paribesh Suraksha Parishad, Mahalaxmi Club and Odapada-Sadar Mahila Manch. The members/ delegates at the consultation workshop discussed the deteriorating quality of water in the PAWP area and the Dhenkanal district as a whole. Cases of water channel/ nalla/ rivulets were presented by members of the respective areas. It was observed from the cases that mostly the effluents are discharged by thermal power plants or steel/ alloy industries. The huge burn ash slurry from all these industries is often released into the natural rivulets or nallahs during rainy season. Leakage and breakage of 'ash-pond' bunds or boundaries/ embankments allows the ash-slurry to get mixed with the nalla & river water. Also a big volume of industrial waste-water carrying residual toxicants, chemicals are frequently released into the nalla. In all, the main and perennial natural water sources of most parts of the district are now quite polluted causing harm to human, domestic animal and crop health. Taking into account gravity of the situation, the members of the workshop proposed to send a delegation mostly comprising woman-members to discuss & apprise this grave issue to the District authorities.
- **Meeting with government officials:** On 29 July 2013, a delegation PAWP officials moved to the district office and presented a memorandum to the government and State Pollution Control Board regarding the discharge of harmful effluents by nearby thermal and steel alloy industries in the natural water bodies of the district. (Copy of Media Coverage news items in vernacular Odia is given below):

Kisinda and Lingira Nalla full with Industrial Waste  
 News in The DHARITRI Dated 31.07.2013

The translation of the above newspaper article:

**Local People Apprise the District Magistrate**

Odapada 31.07.13 : The two perennial water channels are now heavily laden with industrial waste making the water poisonous. Delegates carried the water samples in pots & bottles and presented to the Collector. NALCO, Bhushan Steels, BRG Steels along with a number other industries are the polluters and need to be acted against immediately.



River Water Polluted with Bhushan (Steel Plant) Waste:



News in The SAMAJ dated 31.07.2013

Dhenkanal, 31.07.2013: Water in the Kisinda Nalla is fully polluted with the industrial waste from Bhushan Steel Plant. The local people depending on its water complain before the Collector for immediate remedy. Industrial waste and ash-slurry from this and other steel, thermal power and other industries get flown into river Brahmani and Lingiri via Kisinda and other water channels. The Bhushan industries is yet to construct an ash-pond and by now has dumped dry-ash near Kisinda nalla upto 130 feet height that falls or gets washed into the water channel in rain water or with other liquid waste. People around it suffer from air, water and soil pollution especially in the form of skin diseases, stomach, TB & other pulmonary problems.

#### **IV. Activities taken up under Jajmau Area Water Partnership, Kanpur, Uttar Pradesh:**

Society for Promotion of Wastelands Development (SPWD) along Society for Action in Community Health (SACH) and with the support of India Water Partnership carried out the following activities with regard to strengthening of Jajmau Area Water Partnership:

- **One day consultation on Urban Governance** - SPWD in collaboration with SACH and India Water Partnership organised a one day consultation on Urban Governance on 20 July at New Delhi. The topic of the consultation was “Challenges of Governance at Municipal Ward level, For Provision of Urban Basic Services.” Shri Kulanand Joshi, Additional Secretary to the Chief Minister, Delhi Govt. gave the key note speech. The speech dealt with his experiences in activating the government policy of people's participation. He emphasised that representatives of Residential Welfare Association (RWA) should play active role in governance and they should bring out schemes like “**My Delhi I care for you**” as these schemes have greater sense of ownership for the residents of any urban area. Mr Tariq Siddiqui presented his findings on a study of seven Muslim dominated wards. The major findings were that these wards are neglected and are even not among the unauthorised colonies funded by the District administration thus basic facilities like schools, medical facilities, transport, water and sanitation are lacking. Mr. Rakesh Misra's presentation on Kanpur highlighted issues related to pollution of the rivers and lack of basic amenities in the labour colonies of Kanpur. He pointed out the difficulties of interdepartmental coordination and the difficulties the local communities have, in finding out the responsible department to resolve the problems that occur in their localities. Dr Veena Khanduri, Executive Secretary, India Water Partnership recognising all these difficulties stressed on the need for Area Water Partnership approach like Jajmau Area Water Partnership, Kanpur to take an integrated approach to problem identification and problem solving.

#### **V. Activities taken up by Safe Water Network India:**

As part of project plan Safe Water Network India has set up observation wells in 15 villages with the objective to record water level fluctuations, and levels of Total Dissolved Solids and pH. The pre monsoon data was collected during June, 2013 before onset of monsoon from all the observation wells. This data base is also going to contribute in the study that has been initiated by Safe Water Network in collaboration with Water Resource Institute, New Delhi to develop decision support tool for selection of appropriate location to setup Safe Water Station.

Along with the study to understand the dynamics of water resources in a micro-watershed area that consist of three villages (Nizampally, Gorikothapally and Gangirenigudem), Safe Water Network, India has also initiated reject water management by creation of storage structure in few villages. The stored water shall be utilized by community for other purpose to meet the domestic requirement like washing utensil, and sanitation etc. The user communities shall be informed about the importance of managing available water and not to use reject water for drinking purpose. As part of this initiative the guidelines has been developed for construction of recharge structures and reject water storage structures.

#### **VI. Participation in Conferences/ Meeting/ Seminars**

##### **6.1 9<sup>th</sup> Annual International Conference of the International Institute for Infrastructure Renewal and Reconstruction held from 8-11 July 2013 at Brisbane, Australia**

On the invitation of Australian Aid (AusAid) and Queensland University of Technology (QUT), sponsors of the **9<sup>th</sup> Annual International Conference of the International Institute for Infrastructure Renewal and Reconstruction**, Dr. Veena Khanduri, Executive Secretary, India Water Partnership participated in

this conference which was organized from 8-11 July 2013 Queensland University of Technology (QUT), Brisbane, Australia.

The Conference of the International Institute for Infrastructure Renewal and Reconstruction which was held from 9-11 July 2013 provided Dr. Veena Khanduri an opportunity to understand disasters in detail about Risk Informed Disaster Management: Planning for Response, Recovery & Resilience. The topics covered under this conference were from different backgrounds ranging from risk assessment, prevention, mitigation, preparedness and response to techno-legal regime, response, relief and rehabilitation, reconstruction and recovery and creating & sustaining community resilience. During the conference, Dr. Veena Khanduri made a power point presentation on **“Women in Disaster Resilience – Indian Context”**.

On return from the conference, Dr. Veena Khanduri submitted a report to the organizers on the lessons learnt, emergence of new ideas from the conference for future disaster management and infrastructure protection goals, benefits to the participating countries from the conference, etc.

## **6.2 India Water Week 2014**

The first meeting of the Technical Committee for organizing India Water Week (IWW) 2014 was held on 13.08.2013 under the chairmanship of Chairman, Central Water Commission (CWC). Dr. Veena Khanduri, Executive Secretary (IWP) and Mr. V.U. Koundanya, Executive Director (Planning) WAPCOS Ltd. in the capacity of the Technical Committee members participated in the meeting.

The main outcome of the meeting was to finalize the dates and venue for the IWW 2014. Accordingly, it was decided that IWW 2014 inauguration and plenary session would be held at Vigyan Bhawan, New Delhi on 2 December 2014 while the conferences and exhibitions would be held at India Exposition Mart Limited (IEML), Greater Noida from 3-6 December 2014.

The suggested theme for IWW 2014 is **“Water Management for Sustainable Development”**. During the meeting, programme structure was discussed in detail and indicative topics were also proposed. It was also decided that special events would be organised by leading organizations. Committee members appreciating the role of GWP, GWP SAS and GWP India, suggested to involve GWP for special events.

Dr. Veena Khanduri said that India Water Partnership will send all the important communications to GWP to play active role in IWW 2014. She also suggested that WAPCOS Ltd can facilitate in organizing ministerial delegation from Africa and South East Asia.

## I. ACTIVITIES UNDERTAKEN BY INDIA WATER PARTNERSHIP DURING AUGUST 2013

### 1.1 Consultation on Water and Climate Change Resilience Programme (WACREP) by Dhan Foundation (South Zone Water Partnership)

Dhan Foundation, the Coordinating Agency of South Zone Water Partnership has been included by India Water Partnership and GWP South Asia as one of the implementing partners of WACREP in South India.

On 14 August 2013, a consultation on implementation of WACREP was organized by DHAN Foundation at Madurai, Tamil Nadu. The participants included farmers, members of Self Help Groups, Subject Matter Specialists on Natural Resources Management, Disaster Risk Reduction, Fisheries, Coastal Livelihoods, Micro Insurance, etc. Mr. Ramasamy Adhinarayanan, Project Leader, Climate Change Adaptation, DHAN Foundation facilitated the process by explaining briefly about climate change and its impact. Mr. A. Gurunathan, Chief Executive, DHAN Foundation precisely explained about WACREP proposed objectives and expected outcomes to design research questions. The participants agreed on various views like problem of soil degradation in the area, widespread menace of *Prosopis juliflora*, vanishing number of tree species, poor access to knowledge and service delivery, etc. Some specific research topics were also discussed in the consultations which were as follows:

#### **Agriculture**

- Mapping the vulnerability, risks and indigenous coping practices and its relevance with people's perception/ experience
- Comparing scientific data for replication and addressing the gaps
- Evolve resilience on farming community and role of agriculture, biodiversity conservation in terms of climate change and action needed for increasing resilience
- Crop insurance for small millets and mixed cropping
- Behavioural change
- Subsidy for inorganic farming and change of subsidy for organic farming
- Effects of climate change on soil health and its productivity in the semi-arid regions.

#### **Water**

- Study on surface water bodies, storage pattern versus climate change and its implications on food security
- Early warning system to reduce the effect/ impact of climate change on livelihoods of farming communities and disaster risk reduction

- Drinking water demand and supply - centralised distribution and shortage of drinking water in the villages during summer.

## 1.2 Peoples' Area Water Partnership (PAWP) in Dhenkanal, Odisha raising voice against pollution of Water Bodies

Arun Institute of Rural Affairs (AIRA), the co-ordinating agency of PAWP with the support of India Water Partnership has been protesting about pollution of natural water bodies by the neighbouring industries. In the month of August the following protests were made by the members of PAWP.

PAWP representatives along with other water right activists in the district of Dhenkanal, Orissa protested against coal based power and steel companies for discharging effluents like fly ashes and liquid debris into the water channels meant for irrigation. Effluent discharge usually pollutes the water of Brahmani, Lingara, Kisinda and other nallahs and rivers. In response to the protest, recently the State Pollution Control Board (Odisha) with the support from the District Administration (Dhenkanal) has taken action by sealing up two units of the Bhusan Energy Ltd. at Kantabania. PAWP representatives also joined the 'Jan Sunwai (public hearing) at Motanga RI Circle in Odapada block and supported the local people in opposing expansion (from 300 MW to 485 MW) of a power plant on conditions of adequate safety measures for construction of ash pond and fitting of scientific devices for pollution control.

Apart from the above activities 16 members from Local Water Partnerships under PAWP participated in the training-cum-demonstration of System of Rice Intensification process for paddy transplantation and farming at Krishi Vigyan Kendra, Kadalipal during 11-12 August 2013.

### News clipping: Units of Bhusan Energy Limited sealed by authorities

The translated version of the above newspaper article:



**Reported in the Dharitri dated 15 Aug. 13:** In response to the Peoples' Area Water Partnership protest, the State Pollution Control Board (Orissa) with support from the District Administration (Dhenkanal) have taken a drastic action by sealing up two units (of 150 MW capacity) of the Bhusan Energy Ltd. at Kantabania.

The company violated 33A of Water (Prevention & Control of Pollution) Act 1974 and 31A of Air (Prevention & Control of Pollution) Act 1981.

### 1.3 One day Training-cum-Consultation Programme on “Dissemination of Improved Technologies and Best Practices Used for Water Harvesting and Conservation”

With the support of India Water Partnership, Centre for Environment and Development Studies, Jaipur (CEDSJ), a network partner of IWP organized a one day training/consultation programme on “Dissemination of Improved Technologies and Best Practices Used for Water Harvesting and Conservation”



on 22 August 2013 in association with Ramkrishna Jaidyal Dalmia Seva Sansthan (RJDSS), and Samagra Vikas Sansthan (SVS), Jhunjhunu, Rajasthan. The programme was organised at RJDSS Sports complex, Chirawa, Jhunjhunu, Rajasthan. Around 90 farmers (from 14 villages of the Jhunjhunu district), Panchayati Raj Institution representatives, State Government officials and experts participated in the training-cum-consultation programme. Objectives of the programme were: (i) To share information on the State Water Policy, Projects, Programs and activities undertaken by the State Government to support the water sector reform in the State; (ii) To share the concept and status of IWRM implementation in the state; and (iii) To disseminate improved technologies and practices used for water harvesting and conservation, including domestic water use.

The training-cum-consultation programme was started with the introduction of IWP by Dr. M. S. Rathore, Director, CEDSJ and board member of India water Partnership (IWP) who explained in detail about the objectives and activities undertaken in India and in the South-Asia. Mr Hemant Joshi, Director, Communication and Capacity Development Unit (CCDU) gave a lecture on rainwater harvesting technologies used in rooftop rainwater harvesting and in agricultural fields in Jhunjhunu district.



Dr M S Rathore delivering the lecture

Dr M. S. Rathore explained about the traditional technology being used in Rajasthan for meeting domestic water needs and irrigation demand and also the modern technology being used for domestic water and irrigation. He emphasised that modern technology is much more capital intensive and demands higher level of education status of the users. However, there is a whole range of technology options available to the consumers and it is his/ her choice to adopt the technology based on the resource endowment of the user.

Dr Suneet Shethi of CCDU delivered lecture on the **water quality testing technique** as water quality is a major problem in Rajasthan. Although the State government is distributing water quality testing kits to all the Panchayats, people are not aware of bad water quality and health consequences thereof. Dr Shethi gave practical demonstration of the water testing kit and suggested participants to test the quality of rainwater they have harvested before using. Dr. Shethi also suggested them to repeat water quality testing at regular intervals.

Mr. Niranjana Singh of SVS gave presentation on the **rooftop rainwater harvesting technology** used by his organisation in 80 villages of Jhunjhunu and **rainwater harvesting for recharge of groundwater and technique of monitoring groundwater fluctuations/ change**. He impressed on the participants to adopt that and solve the problem of fast depleting groundwater in the district.

Dr. Sharikant, a scientist from Central Electronics Engineering Research Institute (CEERI), Pilani spoke on “**Innovative and User Friendly Technique of measuring Water Quality Parameters in Rural Areas**”. He has developed a peoples’ friendly cost effective technology to measure the quality of water and also recommended solutions to the users to overcome the problem of water quality. He made demonstration through the equipment and suggested the PRI and Government representatives to purchase it for their Panchayats.



Dr. Sharikant demonstrating water quality

The last presentation was by Dr. Hanuman Prasad, Agriculture Scientist. As agriculture uses more than 85% of the available water, conservation of water in irrigation can help in bridging the increasing gap between supply and demand for water. He discussed various methods and technology to save water in agriculture and also discussed about various schemes of government to support adoption of these technologies.

#### **1.4 Submission of Draft Integrated Water Resources Development and Management Plan (IWRD&MP) for Wainganga sub-basin to Water Resources Dept., Govt. of Maharashtra**

Finalization of Draft Integrated Water Resources Development and Management Plan (IWRD&MP) for Wainganga sub-basin is part of the activities of IWP for 2013. Gomukh Environment Trust for Sustainable Development and Coordinating agency of West Zone Water Partnership (WZWP) was entrusted by Water Resources Department, Govt. of Maharashtra (GoM) to prepare this plan. Accordingly, the WZWP has submitted the Draft Final IWRD&MP to GoM. The Programme Monitoring and Appraisal Committee will scrutinize the Draft Final Plan. After receiving comments and suggestions from the Committee, the Plan would be finalized and submitted to the GoM.

## **1.5 Participation in Meetings/ Conferences**

### **1.5.1 First Meeting of Technical Committee of India Water Week 2014**

The first meeting of the Technical Committee for organizing India Water Week (IWW) 2014 was held on 13.08.2013 under the chairmanship of Chairman, Central Water Commission (CWC). Dr. Veena Khanduri, Executive Secretary (IWP) and Mr. V.U. Koundanya, Executive Director (Planning) WAPCOS Ltd. in the capacity of the Technical Committee members participated in the meeting.

The main outcome of the meeting was to finalize the dates and venue for the IWW 2014. Accordingly, it was decided that IWW 2014 inauguration and plenary session would be held at Vigyan Bhawan, New Delhi on 2 December 2014 while the conferences and exhibitions would be held at India Exposition Mart Limited (IEML), Greater Noida from 3-6 December 2014.

The suggested theme for IWW 2014 is “**Water Management for Sustainable Development.**” During the meeting, the programme structure was discussed in detail and indicative topics were also proposed. It was also decided that special events would be organised by leading organizations. Committee members appreciating the role of GWP, GWP SAS and GWP India, suggested to involve GWP for special events.

Dr. Veena Khanduri said that India Water Partnership will send all the important communications to GWP to play active role in IWW 2014. She also suggested that WAPCOS Ltd can facilitate in organizing ministerial delegation from Africa and South East Asia.

### **1.5.2 Executive Committee Meeting of Indian Water Resources Society (IWRS)**

The Executive Committee meeting of IWRS (a partner of IWP) was held on 19 August 2013 at Central Water Commission, Ministry of Water Resources, Govt. of India under the Chairmanship of Mr. A B Pandya, President, IWRS and Member, Central Water Commission. Dr. Veena Khanduri, Executive Secretary, IWP as a member of IWRS participated in the meeting.

Mr. A.B. Pandya, President in his inaugural address cited serious challenges being faced by the water sector in the country. He particularly mentioned the unscientific and one sided debate being held in the media on various issues, the recent one is floods in Uttarakhand where the main cause of flood was cloud burst phenomenon and main cause of damages was uncontrolled and unregulated construction in the river valleys, but the debate was, unfortunately, turned to construction of dams, as if dams have created floods and created havoc. He pointed out that the IWRS was created for this very purpose of taking any discussion/ debate in water sector as sensible, scientific and well informed manner, which is not happening. He implored the IWRS to initiate systematic work in this direction.

Dr. M.K. Sinha, Member, IWRS and Commissioner (PP), Ministry of Water Resources, Govt. of India suggested that IWRS should also discuss the current policy issues and support the Government with relevant and appropriate recommendations. He further suggested that a half day session may be organized on River Conservation Zone, the need of which has been felt strongly after Uttarakhand floods. Dr. Veena Khanduri supported the idea and informed that India Water Partnership (IWP) and IWRS have almost similar objectives and such initiative would be fully supported by IWP also. She offered to support organization of the event.

## II. ACTIVITIES SCHEDULED FOR SEPTEMBER 2013

**2.1** National Institute for Development (NID) the co-ordinating agency of Eastern Zonal Water Partnership would organize two workshops in East zone during September 2013; one on **“Status of Participatory Irrigation Management in the Eastern states; and the other on “Status of Ground Water Legislation in the Eastern States”**.

**2.2** Arun Institute of Rural Affairs (AIRA) the co-ordinating agency of People’s Area Water Partnership (PAWP) would **publish simpler version of Orissa State Water Policy in Odia** (local language) for wider circulation among PAWP members and the local people.

## PART 5: REPORT BY GWP NEPAL

### June:

#### 1. Study on micro-hydro projects

The draft report on *“Assessment of non-functioning micro-hydro projects less than 100 kW”* has been submitted by the consultant. The study was undertaken with reference to Manpang Khola in Dhading district of Nepal where 6 micro-hydro schemes have been constructed. Those schemes were destroyed by 2012 floods and landslides. The study attempts to analyze the causes and effects of damages to the schemes. The report is under peer review.

#### 2. Consultation Workshops at Ilam



District level workshop in Ilam

Two separate local level workshops in Gorkhe and Jogmai Village Development Committees (VDCs) in Ilam district were organized on 20 and 23 June 2013 respectively. Local Water Parliaments (LWPs) exist in both VDCs. Similarly, Maimajhuwa and Mabu VDCs have one Area Water Partnership (AWP). Hence, another district level workshop was organized there on 28 June 2013. From targeted VDCs, people who have been involving in water resource management (both male and female), members of AWP, LWPs, VDC secretaries and local social mobilizers were among the participants.

The main objective of the workshops was to revisit the exercises done to implement IWRM in Mai Khola and Jogmai Khola Basins and assess the existing situation, identify the issues and facilitate the LWPs in developing future plans for the sustainable use of water resources.



The LWPs of Gorkhe and Jogmai VDCs are working together for Jogmai River Basin shown in the map. The LWPs have been useful to share information, reach consensus on water disputes and to plan for further water resources development. The LWP has played an important role in increasing awareness of IWRM. The members of LWP have started implementing more water conservation activities within the Mai sub-basins. Since there are more dialogues among the water users, the marginalized stakeholders now feel that they have a higher likelihood of having their voices heard.

The stakeholders in the Mai and Jogami River Basin are of the opinion that the LWP network has facilitated dialogue among various water users. One major benefit



has been a comprehensive river basin consultation which has made them aware of resource management.



*Participants busy preparing the action plan*

LWPs prepared future plans for water management with the time frames which is an appreciable outcome of the workshop. They have even mentioned the responsible organizations and assisting organization/ agency to carry out the activities in their plan.

### **3. Follow-up survey conducted**

In the year 2012, a research entitled **‘Strengthening Drinking Water and Sanitation Services Through Enhanced Accountability Measures’** was conducted by JVS, Nepal in collaboration with funding support from the World Bank and administered by the Centre for International Studies and Cooperation (CECI). The objective of the research was to strengthen the capacity of service users and service providers in effective use of social accountability approaches/ tools through application of Citizens’ Report Card to improve service delivery and enhance the advocacy activities on the social accountability tool.

A field survey was conducted to assess the status of social accountability in Ratnanagar Drinking Water Supply and Sanitation Users' Association, Chitwan, Nepal from 3-8 June 2013. The survey also looked into impacts made by the research on both service providers and users. The interface meeting with service providers and users will be conducted after the preliminary analysis of the surveyed data.

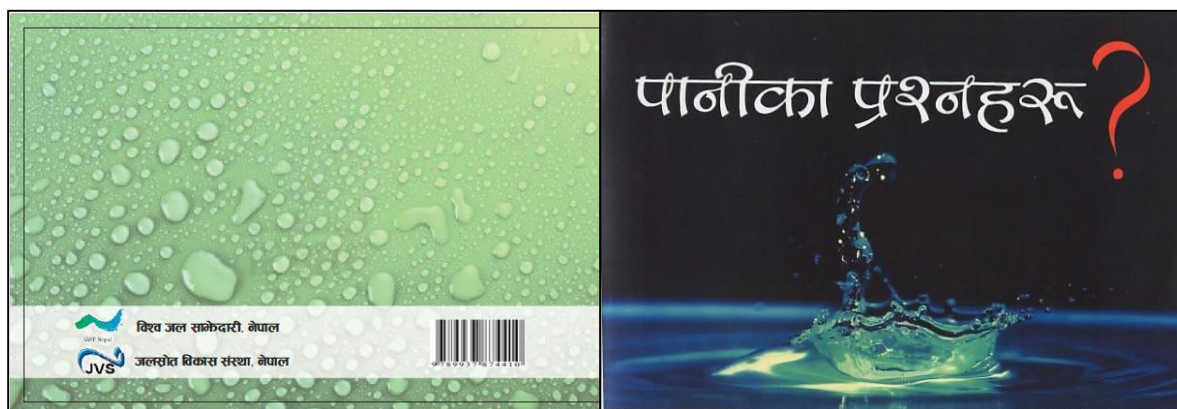
### **4. Participation in World Integrity Forum in Delft, The Netherlands**

The Water Integrity Network (WIN), Water Governance Centre (WGC) and UNESCO-IHE Institute for Water Education joined forces to organize the first International Water Integrity Forum in the Netherlands at UNESCO-IHE from 5-7 June 2013.

Mr Bal Krishna Prasai, Member, GWP Nepal/ JVS participated at the Forum where he made a presentation on the activities of JVS in social accountability in the water sector in Nepal. The social accountability activities included the study, financed by the Water Integrity Network (WIN) that focused on water supply services in Nepal Water Supply Corporation Biratnagar branch, as well as the

study that was financed by the World Bank and managed by the Centre for International Studies and Cooperation (CECI), that has focused on drinking water supply services under alternative management models in a number of districts, including Dang, Kaski, Chitwan and Dhanusha.

## 5. Booklet on water resource issues



A booklet on water resource issues entitled "*Panika Prashnaharu*" has been published by GWP Nepal/ JVS. The booklet is in question and answer format, and has been written in the national language. It has answered basic questions that arise in the mind of people regarding water resources of Nepal and hence it is believed that the booklet will provide immense value in enhancing their knowledge.

## 6. 141<sup>st</sup> Executive Committee Meeting (ECM)

The 141<sup>st</sup> Executive Committee Meeting (ECM) of Global Water Partnership Nepal/ JVS was held on 20 June 2013 in Kathmandu. The meeting discussed programmatic and administrative issues of Global Water Partnership Nepal/ JVS.

### July:

#### 1. Interaction programme on recent floods in Far-Western Nepal

GWP Nepal/ JVS held an interaction programme on "Recent Flood and Soil Erosion: Mahakali Darchula" on 12 July 2013 at the Alpha House, New Baneshwor, Kathmandu.

Er. Prakash Paudel, Former Director General of Department of Water Induced Disaster Prevention (DWIDP), Er. Narendra Bahadur



Mr. Shital Babu Regmee presenting the causes and impacts of Mahakali flood

Lama, Coordinator of People's Embankment Program under DWIDP and Er. Shital Babu Regmee were among the presenters. They analyzed the Mahakali Flood that hit Khalanga, the headquarters of Darchula district of Nepal. They were of the opinion that water released from Dhauliganga dam in India as well as spurs built on the Indian side of the Mahakali River aggravated the flooding causing huge damage. Er. Paudel concluded that though flooding, landslide and debris flow are triggered as natural process, human activities and response play a role in their effects. He also said that the government lacks the quick response and preparedness in Nepal's disaster especially caused by water and the lack of information sharing and mutually agreed action plans between Nepal and India with regard to Water Induced Disaster, was a concern.

## 2. Book Launching

GWP Nepal/ JVS launched a booklet on water resources issues entitled "**Panika Prashnaharu**" on 2 August 2013 at Indreni Banquet Pvt. Ltd., New Baneshwor, Kathmandu.



Mr Ram Prasad Mehta, Chair, NFIWUAN, launching the booklet

Participation by various water experts, political parties and their sister organizations, academics, governmental and non-governmental organizations, CBOs working in the water sector and media persons. The booklet which is in question-and-answer format and which has been

written in the national language, has answered the basic questions that arise in the minds of people regarding water resources of Nepal and hence it is believed that the booklet will be of immense value in knowledge development.

## 3. Participation in workshop

A workshop entitled "The devastation brought by Mahakali flood and the challenges of water resources development" was organized by Rastriya Prajatantra Party (RPP), Nepal, one of the political parties. Mr. Som Nath Poudel, Officiating Chair and Mr. Naveen Mangal Joshi, member of GWP Nepal/ JVS participated in the workshop. Er. Dipak Gyawali, Former Minister of Water Resources did a presentation on the challenges of water resources development in Nepal.

## 4. Water Encyclopedia

An encyclopedia on water entitled "**Water in Nepal and Beyond**" has been prepared and submitted by the consultant and is now under peer review.

#### 5. 142<sup>nd</sup> Executive Committee Meeting (ECM)

The 142<sup>nd</sup> Executive Committee Meeting of GWP Nepal /JVS was held on 14 July 2012 in Kathmandu. The meeting discussed the programmatic and administrative issues of GWP Nepal/ JVS.

#### August:

##### Book Launch

GWP Nepal/ JVS launched a booklet on water resources issues entitled "**Panika Prashnaharu**" on 2 August 2013 at Indreni Banquet Pvt. Ltd., New Baneshwor, Kathmandu.

Participants included various water experts, political parties and their sister organizations, academicians, governmental and non-governmental organizations, CBOs working in water-sector



Mr Ram Prasad Mehta, Chair, NFIWUAN, launching the

and media persons. The booklet which is in question and answer format and which has been written in national language, has answered the basic questions that arise in the mind of people regarding water resources of Nepal and

hence, it is believed that the booklet will provide immense value in their knowledge.

#### Study on Micro Hydro Projects (MHPs) in Nepal

The final report on "**Assessment of Non-functioning Micro Hydro Projects**" has been submitted by the consultant. The study was undertaken with reference to Manpang Khola in Dhading district of Nepal where 6 micro-hydro schemes have been constructed. Those schemes were destroyed by 2012 floods and landslides. The study has attempted to analyze the causes and effects of damages to the schemes. The report is under peer review.



Consultation meeting with the local stakeholders at Dhading district

According to the report, there is a mixed understanding on the impact of climate change on the Manpang Khola Micro-Hydroelectricity Schemes. Local people experience temperature rise and change in rainfall pattern. One of the factors to affect MHPs might be the climate change phenomenon and/or climate-induced disasters such as from floods and landslides. The study had also concluded that MHPs would not provide benefits as intended due to damage of structures, high cost of repair and maintenance associated with people's low income, and joining the MHP areas with the national grid. The study had provided some recommendations in order to address the above issues and to ensure regular supply of electricity from MHPs.

## **PART 6: REPORT BY PAKISTAN WATER PARTNERSHIP (PWP)**

### **June:**

June 2013 was an extremely busy time for PWP. Apart from celebrating World Environment Day on 5 June, a 3-day Training Workshop on Regulation of Hydraulic Structures for Flood Management, a 2-day International Conference on Water for Life and Development: Regulation of Hydraulic Structures for Flood Management, and a meeting with the Water and Sanitation Programme - South Asia (WSP - SA) in Islamabad, were held.

Report on the activities of June 2013 along with above major activities is given below:

1. PWP collaborated with ICIMOD Pakistan, Pakistan Agricultural Research Council and Ministry of Food Security and Research for celebration of World Environment Day on 5 June 2013 at Pakistan Agricultural Research Council's National Agricultural Research Centre (NARC), Islamabad which was attended by over 150 delegates including experts from water, climate change, environment, agriculture, development and management sectors of Pakistan. The celebration was led by the Federal Secretary, Ministry of Food Security and Research. Dr Pervaiz Amir, Brig. Muhammad Aslam Khan and Mr Karamat Ali represented Pakistan Water Partnership. Dr Pervaiz Amir also delivered an address on the subject of Climate Change and Pakistan.
2. Chairman PWP held a meeting with the Water and Sanitation Programme - South Asia (WSP - SA) of the World Bank delegation on their programme on Urban Sanitation in Pakistan under which a series of National and Provincial Stakeholder Consultations was carried out in Islamabad, Lahore, Karachi, Quetta and finally again in Islamabad during January to May 2013. Long-term comprehensive collaborative arrangements of WSP - SA with Pakistan Water Partnership came under discussion for mutual activities in water and sanitation sectors of Pakistan. PWP will prepare a work plan to collaborate with WSP - SA and other potential donors working in this field and would submit to them through Planning Commission, Government of Pakistan to cover the period up to December 2013. Funding possibilities of the magnitude of USD 500,000.00 are being discussed. This will provide an opportunity to PWP to

carry out a long series of consultative workshops and capacity building events in Pakistan for the next two years.

3. Pakistan Water Partnership (PWP) in association with the United Nations Educational, Scientific and Cultural Organization (UNESCO), Japan International Cooperation Agency (JICA) - Pakistan, ICIMOD - Pakistan, Pakistan Agricultural Research Council (PARC) and other partners, have convened a 3-day Training Workshop on **Regulation of Hydraulic Structures for Flood Management** in the Executive Committee Room of National



Agricultural Research Centre (NARC), Park Road, Islamabad on 25-27 June 2013. Over 30 delegates of partner organizations participated in the exhaustive proceeding of the training workshop, for three days. The organization/ departments represented in the training workshop were:

- i. Pakistan Metrological Department (PMD), Islamabad
- ii. Indus River System Authority (IRSA), Islamabad
- iii. Pakistan Space and Upper Atmosphere Research Commission (SUPARCO), Islamabad
- iv. Federal Flood Commission (FFC), Islamabad
- v. Civil Defense, Islamabad
- vi. United Nations High Commission for Refugees (UNHCR), Islamabad
- vii. Global Change Impact Studies Centre (GCISC), Islamabad
- viii. National University of Science and Technology (NUST), Islamabad
- ix. Comsats Institute of Information Technology (CIIT), Islamabad
- x. Pakistan Water and Power Development Authority (WAPDA), Lahore
- xi. Punjab Irrigation and Power Department
- xii. Sindh Irrigation and Power Department
- xiii. KPK Irrigation Department
- xiv. Baluchistan Irrigation and Power Department
- xv. National Disaster Management Authority (NDMA)
- xvi. Provincial Disaster Management Authority - Punjab (PDMA)
- xvii. Provincial Disaster Management Authority - Sindh (SDMA)
- xviii. Provincial Disaster Management Authority (KDMA) KPK
- xix. Provincial Disaster Management Authority - Baluchistan (BDMA)
- xx. Indus Waters Commission (IWC), Lahore
- xxi. BARQAAB Pvt. Ltd., Lahore
- xxii. University of Wah, Wah Cantt.
- xxiii. University of Engineering and Technology, Peshawar
- xxiv. Balochistan University of Engineering and Technology, Khuzdar

- xxv. Balochistan University of Information Technology, Engineering and Management Sciences (BUITEMS), Quetta
- xxvi. Government College University, Lahore

The trainers included personnel from the following organizations/ departments:

- i. International Centre for Water Hazard and Risk Management (ICHARM), Japan
- ii. Japan Water Agency (JWA), Tokyo, Japan
- iii. Pakistan Water and Power Development Authority (WAPDA)
- iv. Pakistan Metrological Department (PMD)
- v. Pakistan Space and Upper Atmosphere Research Commission (SUPARCO)
- vi. Free Lancer Hydrologists served WAPDA

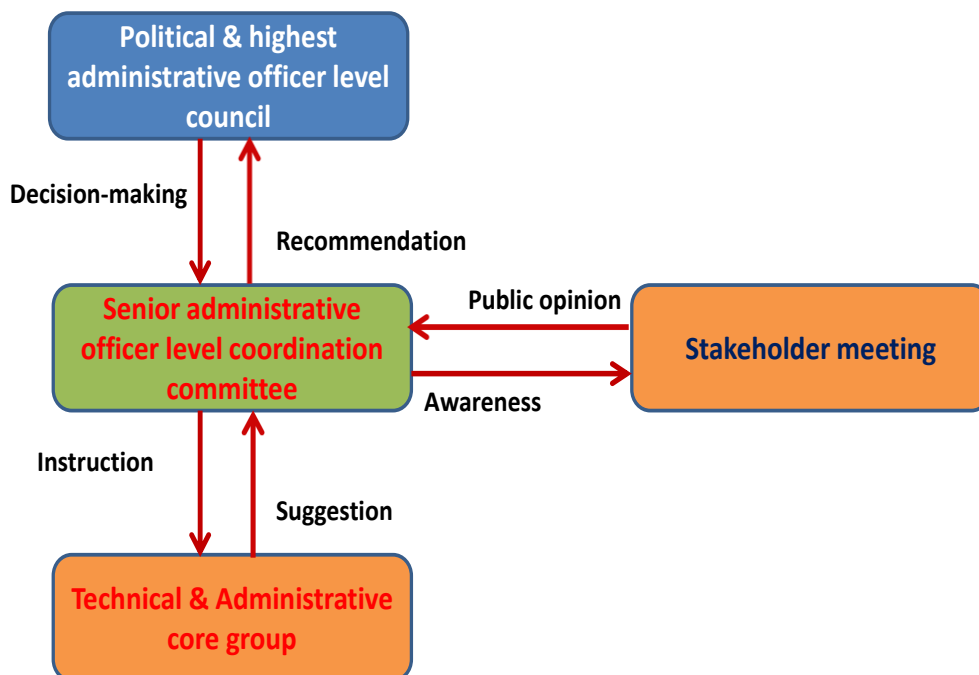
The three-day training concluded with the following recommendations which were read out at the International Conference on 29 June 2013:

- Dams are most effective instruments to mitigate riverine floods. Existing storage facilities in Pakistan are insufficient for floods management as these have not been designed for flood mitigation. Therefore immediate construction of more dams/ reservoirs should start for flood management, water conservation for agriculture and generation of cheaper electricity.
- Standing Operating Procedures (SOPs) for every dam, barrage/ headworks should be prepared and existing SOPs should be reviewed/ updated in the light of past experience and operation.
- A technical advisory committee/ commission may be constituted at federal level, the member of the commission should be highly qualified experts of different fields related to dams/ barrages. The commission will regularly visit and monitor the structures and suggest improvements and upgrading.
- Flood forecasting and early warning are very important for operation of dams and barrages, so most advanced and reliable techniques should be used and adopted for early warning. Hydro-meteorological networks need to expand, especially in the upper catchments of river Swat, Kabul, Indus and other tributaries causing floods/ flash floods.
- Hydro-meteorological data collection and dissemination systems should be automated so that real time and reliable data is available for advanced forecasting and early warning. For this purpose the hydro-meteorological network of WAPDA and PMD should be strengthened with provision of advanced equipment and trained personnel.
- Existing QPM radar systems used by PMD at Lahore, Mangla and Sialkot must be upgraded/ replaced by state of the art systems. Radar systems should also be installed in other areas of the country, especially in hill torrent/ flash flood prone regions.
- Experienced personnel related to flood management should be engaged for better utilization of their experience and expertise.

- Well qualified and devoted persons should be posted for the operation of dams/ barrages. Capacity building of the staff working on dams and barrages should be continuously carried out to upgrade their knowledge. There should be regular foreign and local trainings.
- Computer modeling for reservoir/ barrage operation is very important. Computer models should also be developed, along with manual operation, for forecasting and reservoir/ barrage operations. For this purpose young engineers and scientists should be trained in the field of preparation and use of hydrological models.
- Academia should be involved in the understanding of flood dynamics and its management techniques. Involvement of university students should be promoted to study different behaviour patterns of floods and their impacts on hydraulic structures as part of their thesis/ research.
- There should be close coordination and collaboration among the flood-related agencies/ departments for effective flood management.
- Arrangements for timely trans-boundary data sharing with neighboring countries should be made reliable.
- Flood inundation maps should be prepared and made available to agencies/ departments related to floods and even to common stakeholders.
- For measurement of river/ stream discharges, qualified, graduate engineers must be posted. Gauges and rating curves should be regularly updated.
- Ministry and secretary level council from relevant ministries should be established on a permanent basis for information sharing and discussion/ decision-making on matters relating to water resources management, including flood control and ground water resources.
  - a) The council should be chaired by a suitable minister.
  - b) The council should meet twice a year.
- Additional/ deputy-secretary and DG level coordination committee should be established from relevant ministries on a permanent basis for coordination and discussion on what to be done about technical/ administrative matters, and develop/ supervise core groups.
  - a) The committee should be chaired by suitable additional/ deputy-secretary.
  - b) The committee should convene on a quarterly basis, or more if necessary.
  - c) Secretariat for the committee should be created on a permanent basis.
- Develop core groups on assignment basis to discuss and make recommendation on technical/ administrative matters, for instance modification of SOP, development/ improvement of early warning system, and increase of number/ quality of expertise.
  - a) Theme of core groups should be determined by the coordination committee with the support of the secretariat.

- b) The core groups should be chaired by DG from competent ministry assigned by the coordination committee.
  - c) The member of the core groups should be assigned by the chairing DG based on the recommendation from coordination committee.
  - d) The core group should convene once in a month or more if necessary.
- Stakeholder meetings should be held to hear the public opinion, to collect/ provide information and to enhance awareness.
    - a) The ministry designated by the coordination committee should facilitate stakeholder meetings.
    - b) Stakeholders such as representatives of community (farmer/ fisher folk), local government, power generating company, donor, and so on should take part in the meetings.
    - c) The meetings should be organized once a quarter.

#### Graphical Scheme of the Proposed Setup



4. Pakistan Water Partnership (PWP) in association with Planning Commission, Government of Pakistan; United Nations Educational, Scientific and Cultural Organization (UNESCO); Japan International Cooperation Agency (JICA) Pakistan; ICIMOD Pakistan and other partners, convened an International Conference on **Water for Life and Development: Regulation of Hydraulic Structures for Flood Management** in the Auditorium of the Planning Commission, Pak Secretariat, Islamabad, Pakistan on 28-29 June 2013 with the prime purpose of reviewing SOPs for flood management, institutional coordination and adaptation strategies. Since South

Asia has been declared as a hotspot for climate change and is going to experience much severe and violent hydrological events in future, the International Conference's proceedings have become a need of the time. In fact, the events observed in the recent past such as droughts of 1997-2002 and floods of 2010-2012 have proved beyond any doubt that Pakistan is going through the impacts of climate change and global warming and suffering losses to the tune of billions of dollars. The two-day conference, planned to address these issues and to come up with an integrated adaptation plan, is a timely intervention.

The inaugural session of the International Conference, planned to be chaired by the Prime Minister of Pakistan, was chaired by Mr Ahsan Iqbal, Federal Minister, Planning and Development/ Deputy Chairman, Planning Commission, Government of Pakistan because of a sudden engagement of the PM. The speakers of this session were:

- Mr Timo Pakkala, Resident Coordinator, United Nations, Islamabad.
- H.E. Mr Akira Kono, Charge d'Affaires/ Interim Ambassador, Embassy of Japan in Pakistan
- Dr Mitsuyoshi Kawasaki, Chief Representative, JICA Pakistan, Islamabad
- Dr Kozue Kay Nagata, Director UNESCO Pakistan, Islamabad
- Dr Shahbaz Khan, Deputy Director UNESCO Asia Pacific
- Mr Naseer Ahmad Gillani, Chairman PWP, Islamabad

The conference delegates discussed the following themes during two days under 7 sessions:

- Review of operations of hydraulic structures, existing tools and practices.
- Review of SOPs of major storage reservoirs.
- Regulation of flood flows through barrages, headworks, etc.
- Provision of escape channels for safety of structures.
- Use of flood forecasting and early warning systems  
- Existing tools/ models for flood routing.

The closing ceremony was chaired by prominent water expert Mr Sardar Muhammad Tariq, former Member (Water) WAPDA and former Regional



*Group photo of the international conference*

Chair, Global Water Partnership South Asia (GWP SAS).

5. PWP office was visited by a number of partners, experts and delegates during June 2013 to enhance collaborative efforts for imparting water awareness and implementation of Integrated Water Resources Management in the country.

**July:**

Chairman, PWP was briefed by the Water and Sanitation Programme - South Asia (WSP-SA) of the World Bank delegation on the final programme on urban sanitation in Pakistan, under which a series of national and provincial stakeholders' consultations were carried out in Islamabad, Lahore, Karachi and Quetta in a meeting held on 9 July 2013. The contents of the long term comprehensive, collaborative programme of WSP-SA with Pakistan Water Partnership was thoroughly discussed for identification of activities in water and sanitation sectors of Pakistan. PWP's work plan for carrying out a long series of consultative workshops and capacity building events in Pakistan for the next two years was also discussed. Further polishing on various aspects was agreed. Revised work plan will be submitted in September 2013.

Preparation of proceedings and the workshop manual of the United Nations Educational, Scientific and Cultural Organization's (UNESCO) 3-day training workshop and international conference on *Regulation of Hydraulic Structures for Flood Management* held in Islamabad on 25-27 June and 28-29 June 2013 in collaboration with Japan International Cooperation Agency (JICA)-Pakistan, ICIMOD-Pakistan, Pakistan Agricultural Research Council (PARC) and other partners, was carried out during July 2013. The first draft of the final report was submitted to UNESCO Islamabad office on 31 July for clearance, before the final submission to UNESCO headquarters for acceptance.

PWP has been able to secure PKR 1.2 million for capacity building of water professionals from Balochistan Province through participation in the 81<sup>st</sup> Meeting of the International Commission on Large Dams (ICOLD) to be held at Seattle, U.S.A. during 12-16 August 2013. After inviting nominations from water related departments of Balochistan Province, the following two delegates were selected by the Board of Directors, PWP for their sponsored participation at the ICOLD Meeting:

- a) Mr Barkatullah, Superintending Engineer, Planning and Development Department, Government of Balochistan, Quetta.
- b) Mr Bashir Tareen, Project Director, Toiwar Batozao Dam Project, Irrigation Department, Government of Balochistan, Batozai.

PWP will provide financial sponsorship to cover their visa fees, registration to ICOLD, international travel, hotel and meals, incidental costs in Pakistan and USA according to GWP financial guidelines.

Country Coordinator, PWP has submitted an abstract of a paper titled "Climate Change Impacts on Food and Environmental Security of Pakistan" for the International Conference "Mountain Hazards 2013", which has been accepted for oral presentation. The conference on Natural Hazards, Climate Change and Water in Mountain Areas is to be held in Bishkik on 16-17 Sept. 2013.

PWP is in an advanced stage of preparation for AWP's National Forum planned for December 2013 to build capacity of AWP office bearers for promotion of the concepts of Integrated Water Resources Management in Pakistan. AWP's will also showcase their activities and achievements at the National Forum.

PWP office was visited by a number of partners, experts and delegates during July 2013 to enhance collaborative efforts for imparting water awareness and implementation of Integrated Water Resources Management in the country.

**August:**

6. Second draft of the Final Report of the Training Workshop and International Conference on Regulation of Hydraulic Structures for Flood Management was drafted in the first week of August 2013 by the Country Coordinator PWP under supervision of the Chairman PWP and Executive Director/ CEO PWP for review by UNESCO-PWP meeting to be held in last week of August 2013. The second draft of the report included messages from the Prime Minister of Pakistan, Federal Minister for Planning, Development and Reforms and Federal Secretary Planning and Development.
7. Chairman PWP and Country Coordinator PWP held a post-conference/ workshop meeting with Dr. Shahbaz Khan, Deputy Director, UNESCO Asia Pacific Region, Jakarta, Indonesia in the Committee Room of Planning Commission, Government of Pakistan, P-Block, Pak Secretariat, Islamabad. The draft of the final report prepared by PWP and upcoming activities of Pakistan

Water Summit were discussed in detail. Dr. Shahbaz Khan ensured UNESCO's full support for holding of a session on Flood Management with financial collaboration for the Summit. The Final Report of the Training Workshop and International Conference on Regulation of Hydraulic Structures for Flood Management was submitted to UNESCO HQ for acceptance on 29 August 2013 as per condition of the activity contract.

8. PWP sponsored two water professional from Balochistan Province namely Mr Barkatullah, Superintending Engineer, P&D Dept. Balochistan and Mr Bashir Tareen, Project Director, Irrigation Dept. Balochistan for participation in the 81<sup>st</sup> Meeting of the International Commission on Large Dams (ICOLD) held in Seattle, USA from 12-16 August 2013. The two delegates selected by the Board of Directors, PWP participated in ICOLD Meeting contributed their technical input. This capacity building activity was organized with the financial support of PWP partners from Pakistan.
9. PWP ensured the Planning Commission, Government of Pakistan to assist them for preparation, convening and proceeding for the National Water Summit to be held in December 2013. The Executive Director/ CEO PWP conveyed the following is support:
  - a) Mr Karamat Ali, Country Coordinator PWP is nominated as focal person for the event management.
  - b) Dr Torkil Jonchen, a world renowned water expert, Dr Mohamed Ait-Kadi, Chair GWP Technical Committee and Dr Stephen Foster of GWMate were nominated as the foreign experts who may be invited to contribute to the summit.
  - c) Mr Karamat Ali was asked to prepare and share the format and session design.
  - d) A tentative list of local potential participants for the summit was also submitted to the Planning Commission.
  - e) PWP also ensured its availability with all resources to assist Pakistan Planning Commission in their endeavor of Pakistan Water Summit.
10. PWP's preparation further advanced for AWP's National Forum planned for December 2013 to build capacity of AWP office bearers for promotion of the concepts of Integrated Water Resources Management in Pakistan. AWP's will also showcase their activities and achievements in the National Forum.
11. Country Coordinator PWP coordinated the presentation of Mr Naseer Ahmad Gillani, Chief Water, Planning Commission to be made in the GWP SAS/ APAN Regional Workshop on "Training Needs and Gaps Assessment on Adaptation and Resilience to a Changing Climate in South Asia" to be held in Kathmandu, Nepal on 4-5 September 2013. He also prepared and shared his own presentation titled "Pakistan Water Security: Progress and Success Stories"

with the Chairman PWP, Executive Director/ CEO PWP and Regional Coordinator for their review and comments.

12. PWP office was visited by a number of partners, experts and delegates during August 2013 to enhance collaborative efforts for imparting water awareness and implementation of Integrated Water Resources Management in the country.

## PART 7: REPORT BY SRI LANKA (SLWP)

1. **Ma-Oya scout programme.** This event was organized from 31 May to 2 June by the Ma Oya AWP, for Scouts/ Guides of Maha Oya, at the Kegalle District, Pinnawala National School on Environment Conservation and IWRM. This 3-day two-group activity was attended by 61 and 59 scouts respectively, from 15 schools and 7 members of the AWP participated in this split two group programme. Certificates of attendance were issued to all participating scouts. Chief Commissioner of Scouts of the Sabaragamuwa Province was the chief resource person and was supported by the Divisional Environment Officer and Divisional office staff as resource persons at this event.



2. **SLWP programme committee meeting.** The meeting was held on 17 June at IWMI at 8.30 am.
3. **STF programme in Killinochchi on impact of unregulated/ illicit river sand mining on natural resources management.** This programme was held on 24 June at the Provincial Health Department Auditorium and 70 participants from 17 STF camps in the region attended the programme. In addition, STF Headquarters was represented by a Chief Inspector from Colombo. This programme has been extremely well received and is undertaken in close collaboration with the Geological Survey and Mines Bureau (GSMB), the regulator and the Central Environment Authority; both agencies being represented by headquarters. In addition, the University of Colombo provided resource input for this programme. Aspects covered in the presentations under this



Police STF training programme in Killinochchi

programme included natural resources management for sustainability by Deputy Director, Central Environment Authority; river sand mining and its impact on the environment by a Senior Lecturer, University of Colombo; natural resources and sand mining related laws and regulations by former Secretary, Mahaweli Development Ministry & Senior Advisor SLWP and sand mining and role of the GSMB by Deputy Director (Mines), GSMB. The very high exploitation of sand and gravel was highlighted by all participants and need for immediate action to regulate this, based on the extreme vulnerability of these extraction sights, was acknowledged. STF Officers were urged to interact with GSMB staff, both at the Headquarters and the District Office in Jaffna, as required.

4. **A Workshop for girl guides on Integrated Water Resources Management.** This workshop was held on 24 June at the Akkarayan Teacher Resource Centre, Central College, Killinochchi and attended by 40 girl guides and 3 scouts from schools in the area. The programme organized by the SLWP and GGA was supported by the Girl Guides Association (GGA) branch in Killinochchi and Jaffna. Executive Director of the GGA from Colombo attended this programme as well as the Provincial Commissioner of Girl Guides from Jaffna. Aspects covered under the programme included presentations on Climate change and water management by the National Water Supply and Drainage Resources Board Killinochchi District and on Health and Sanitation by MOH, Killinochchi. Programme included group work and preparation of an action plan.



Girl guides programme in Killinochchi

5. **A gender and water dialogue programme in Killinochchi.** This programme was organized by SLWP in collaboration with the District Secretary and was held from 24-25 June at the District Secretariat auditorium. It was attended by over 40 participants and several observers. Participants were drawn from the state agencies and CBOs/ NGOs in the district. Aspects covered in this two-day programme included an introduction to Integrated Water Resources Management and gender aspects, by former Secretary, Ministry of Women’s Affairs and GWP SAS RC member; gendered impacts on water resources management in Killinochchi District by Director, Women’s Development Centre, Jaffna; irrigated agriculture in Killinochchi District by Deputy Director of Irrigation, Killinochchi; issues in drinking water supply by the engineer from the National Water Supply and Drainage Board (NWSDB); health and sanitation by the MOH Killinochchi and climate change and its impact on water resources by a Senior Lecturer from the University of Jaffna. This was followed by group work and preparation of an action plan. The District Secretary was present almost throughout the two day sessions. This programme, the first such in Killinochchi was appreciated highly by both the



district heads and participants. The linking to climate change issues and possible impacts was considered very important, as this was a very water-short district with severe water problems during the dry season.



Gender and water dialogue

6. **Awareness on issues related to water resource management.**

The programme was held on 25 June for pre-school teachers, at the same venue as above. 25 pre-school teachers from schools in the area attended this half-day programme coordinated as part of the GGA. Aspects covered included climate change impacts by a Senior Lecturer from the University of Jaffna, Water Management and Protection of Water Resources by an Engineer of NWSDB and Health sanitation issues by MO-MCH Killinochchi.

Both the girl guides and teacher training activities were very enthusiastically received, while the posters and IWRM and CCA related documents in Tamil were considered most useful.

7. **Awareness programme on climate change adaptation (CCA) for technical/ field staff.** This event was held on 28 June 2013 at Ceybank Rest, Anuradhapura. This programme was a start-up programme under the proposed CCA activity (WACREP) to be supported by GWP focusing on major irrigation systems. Considering the commitment given to the agencies at the discussion stage during project preparation it was indicated that start up would be around May. Though funding is being delayed SLWP had to start fulfilling its commitment and this programme was organized using its core funds to ensure credibility and support from the main agencies. This programme organized in collaboration with the Irrigation Department was held on 28 June at the Ceybank Rest.

Though the programme was planned for 45-50 participants over 70 attended this programme. In addition to irrigation staff including the Regional Director and his engineers, agencies represented included, officials from The Mahaweli Authority, Project Managers from the Irrigation Management Division of the Ministry, Deputy General Manager Water Supply and Drainage Board, engineers, Agriculture Department staff and other participants including representatives from the Community Waters Trust of the Ministry of Water Supply and Drainage. As planned under the proposed project for CCA, the resource persons were drawn from the identified collaborating partners and will represent the agencies that will support this programme in other areas and districts including the programmes planned for farmer leaders on major irrigation schemes. The aspects covered under this programme included, possible climate change forecast for Sri Lanka; climate change impacts on farming, rural livelihoods and irrigated agriculture, options for supply augmentation and adoption of new technology to cope with climate change; cropping options/ practices for dry zone agriculture to cope with climate change; irrigation water management best practices for dealing with climate change. In addition to the agencies the Ministry of Irrigation and Water Resources Management was represented by the Additional Secretary of the Ministry who chaired the sessions as well. Based on the evaluation by participants, action will be taken to adjust the programme to be undertaken in the

future. This programme was well received as it was the first time that local staff were given an opportunity to receive such information from expert resource persons in an integrated event with special focus on irrigated agriculture with specific reference to the dry zone. Programme feedback is being analyzed to ensure that the next programme scheduled to be held for Kurunegala followed by Polonnaruwa District and the farmer leader programme to be held in Hambantota will be even better focused and integrated.

#### **July:**

- 1) **Sisu Jala Hamuwa Schools Programme.** A school Water Messenger programme on the theme *Lets Protect our Environment* was organized by the Nilwala AWP with the University of Ruhuna, on 10 July 2013 at the AK Charles Auditorium of the university for 100 selected students of 15 schools in Matara and 15 teachers, one from each school. This programme was supported by the Department of Agricultural Engineering of the university and NetWwater. The Chief Guest on the occasion was Prof. S Subasinghe, Dean, Faculty of Agriculture of the university.
- 2) **Programme Committee.** The 7<sup>th</sup> Programme Committee Meeting of SLWP was held on 15 July at 3 p.m. at IWMI.
- 3) **Ground Water Research Symposium.** Country Coordinator and the Senior Advisor SLWP attended a Ground Water Research Symposium organized by the Water Resources Board and the Dam Safety and Water Resources Planning Project on 30 July at BMICH.
- 4) **YWPS.** The proceedings of the Young Water Professionals Symposium held in November 2012 are being printed and will be circulated shortly. The Synthesis Report for an Expert Consultation based on the symposium recommendations, has been completed by Dr M. Samad of IWMI.
- 5) **GWP CCA Activity.** Preparation for the Farmer Leader Training Programme as follow up activity to the CCA TOT in Anuradhapura held in June is planned for 27 August and being organized by IMD of M/IWRM. A TOT for technical/ field staff is being organized by the Irrigation Department also under the CCA programme, in Anuradhapura on 30 August.
- 6) **School Sanitation, Environment Conservation and Water Management Programme.** A school sanitation and IWRM programme was organized at the Teacher Training Centre, Pilimathalawa

for 65 Counseling Teachers in Devinuwara in Central Province, as part of a TOT on the schools IWRM activity. This programme was supported by the Department of Health, Central Province, NWSDB, Education Department, Central Province, Devinuwara Education Zone Office and Lions Club Pilimatalawa.

**August:**

- a) The second CBO training programme on catchment management for water supply was held on 2 August at the NWSDB auditorium Katugastota organized jointly by SLWP and The Upper Mahaveli AWP (Nation Builders Association) in collaboration with the NWSDB and CEA. Resource persons included staff of the Wild Life Department, University of Peradeniya and the Disaster Management Centre. 50 participants (45 from CBOs) attended this programme. Similar programmes are planned under WACREP for CC vulnerable areas.
- b) Menik Ganga Training Programme. The Menik Ganga AWP and SLWP in collaboration with the NWSDB Training Officer Monaragala arranged a training programme in Kataragama on 3 August for AWP Youth Volunteers who will participate in the Clean River pollution mitigation and prevention programme during the festival starting on 7 August. This is an annual event organized by the AWP during the festival and the training programme was held after 3 years. The District Environment Officer of the CEA from Monaragala and The PHI representing the MOH provided the training with support of the NWSDB Training Officer. 49 participants including GWP SAS RC Member Mr Lalith Dassanike attended the programme.
- c) The 8<sup>th</sup> SLWP Programme Committee Meeting was held at IWMI on 7 August.
- d) An awareness programme on Bulk Water Allocation to enhance the effectiveness of water management and water use efficiency was held for Farmer Leaders of Mahaveli H system on 2 August. 65 Farmer representatives attended this programme held on 2 August at Eppawala FO Office of MASL, SLWP also intends to hold a National Dialogue on this aspect to be convened by HARTI/ MASL to promote this concept beyond System H to other major schemes including ID systems.

- e) A programme for members of the YWCA on IWRM ensuing Community Water Security was held on 12 August at YWCA headquarters Colombo. 40 participants from 10 YWCA branches from WP and NWP participated. Chair, National Council of Women was the Chief Guest and President of the YWCA also attended this programme. Resource persons were from the University of Ruhuna, NWSDB, CEA. Ms Swarna Sumanasekara RC Member and Chair SLWP also served as resource persons.



YWCA Programme

- f)

The Exhibition on Community Water Services organized by the Ministry of Water Supply and Drainage and NWSDB was held in Anuradhapura on 16 and 17 August in parallel to the International Community Water Conference held at the Provincial Secretariat Anuradhapura. SLWP had stall at the exhibition alongside the stall by IWMI. The stall was managed by MS Swarna Sumanasekara with assistance from staff of the University of Rajarata.

- g) ACCA programme under WACREP for farmer leaders in Major/ Medium schemes organized by SLWP and IMD of the Ministry of I/WRM was held in Anuradhapura on 27 August. This was a sequel to the Technical Staff CCA programme held in Anuradhapura on 24 June. The programme was held in the Agrarian Services Department Conference Hall. Resource persons included an agriculture/ agronomy specialist (Former Director IMD); Director Irrigation, Anuradhapura; Deputy Director Agriculture NCP and a Senior Lecturer from the University of Rajarata. Over 80 farmer leaders from systems in North East of Anuradhapura participated. Programmes for other systems in Anuradhapura will also be held under WACREP.



Anuradhapura Famer Leader Training Programme

- h) The second Tech Officer/ Field Officer CCA programme under WACREP organized by SLWP and the Irrigation Department was held for staff of Polonnaruwa District at Sarabhumi Hotel Giritale. In addition, Irrigation Department staff from Trincomalee also participated. 60 water/ agriculture sector staff attended the programme. Resource persons included Director Water Management ID, Senior Lecturer from the University of Rajarata, Additional Director Natural Resource Mgt Centre of the Dept of Agriculture, Prof of Agric Engineering from University of Ruhuna and Director Agriculture, Polonnaruwa.



Tech/ Field Officer Training Programme (CCA) in Polonnaruwa

- i) The 2<sup>nd</sup> Report under the Water Quality Study being undertaken by the University of Colombo and SLWP for Janashakthi Insurance (private sector activity) in Ma Oya (Aranayake) was finalized in August. Low flow measurements are being undertaken in September, final analysis and report is due in December.
- j) Two Rain Water Harvesting (RWH) tanks were supplied to the Rahala Junior School, Aranayake and the Hemmathagama Hospital, Aranayake with funds from Janashakthi Insurance as part

of the sponsorship of SLWP activities in Ma Oya. The Lions' Club Pilimatalawa, a SLWP partner provided support and construction oversight.

- k) A survey was initiated to identify School WASH facilities in Denuwara School Zone in Central Province with sponsorship from NDB Bank (Private Sector Support). This is likely to lead to major school sanitation (toilet infrastructure) as follow up activity with NDB Bank Support.