

PROGRAMME

WORLD WATER DAY 2011
Water and Urbanization



22 MARCH 2011

Cape Town, South Africa
Cape Town International Convention Centre

WATER FOR CITIES
RESPONDING TO THE URBAN CHALLENGE

www.worldwaterday.unwater.org

World Water Day 2011 Coordinated by

UN HABITAT

Hosted by



REPUBLIC OF SOUTH AFRICA

In partnership with



Secretary-General's
Advisory Board on
Water and Sanitation



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1 INTRODUCTION

World Water Day is held annually on 22 March to highlight the importance of freshwater and importance of sustainable management of freshwater resources. It dates back to the 1992 United Nations Conference on Environment and Development (UNCED) which recommended it as an important reminder to the world. The United Nations General Assembly then designated 22 March 1993 as the first World Water Day.

This year's World Water Day will be hosted by the Government of the Republic of South Africa. It is a joint collaboration of UN-Water, the African Ministers' Council on Water (AMCOW), the United Nations Secretary General's Advisory Board on Water and Sanitation (UNSGAB), the United Nations Environment Programme (UNEP) and the United Nations Human Settlements Programme (UN-HABITAT).

The 2011 theme

This year, UN-Water chose the theme *Water and Urbanization* under the slogan *Water for Cities: Responding to the Urban Challenge*. The objective of WWD 2011 is to focus international attention on the impact of rapid urban population growth, industrialization and uncertainties caused by climate change, conflicts and natural disasters on urban water systems. It will encourage action by governments, organizations, communities, and individuals around the world to actively engage in addressing urban water management challenges. UN-HABITAT is coordinating the organization of this year's event on behalf of UN-Water.

High Level speakers



Joan Clos

Under-Secretary-General, United Nations Executive Director, UN-HABITAT.



HRH Prince Willem-Alexander of the Netherlands

Chair of UNSGAB.



Hon. Edna Molewa

AMCOW President, Minister of Water and Environment Affairs, South Africa.



Dr. Joan Clos
Under-Secretary-
General, United Nations
Executive Director, UN-
HABITAT

On behalf of the United Nations agencies joining hands with the distinguished participants at this all important World Water Day conference, I wish to thank the Government of South Africa, the City of Cape Town, and our Capetonian friends for hosting this event.

As everyone gathering here knows, sustainable urban development begins with health and dignity. These fundamental conditions of our humanity can only be met with sustained investment in water and sanitation. Half the world's population today lives in towns and cities. That figure is projected to reach two-thirds in little over a generation from now. And half of that increase will be in the slums and squatter settlements of towns and cities in developing countries.

In the slums of Nairobi, the favelas of Rio de Janeiro, the bustees of Kolkata, and right here in Cape Town's townships, the provision of safe water and basic sanitation to the urban poor is a critical challenge facing the world today.

We need more than ever before concerted action by the international community to help countries achieve the Millennium Development Goals related to water and sanitation. We are gathered here for this World Water Day to push for stronger political commitment at the national and the local level. After all, safe drinking water and basic sanitation must be placed at the very top of the poverty eradication and the sustainable development agendas.

The urban water challenge must be recognised for what it really is – a crisis of governance, weak policies and poor management, rather than a scarcity crisis. We need to shore up water security against the added problems of pollution, and climate change. We need innovative ideas and good practices to implement. Why, for instance, use drinkable water in our toilets?

But most of all cities need sound policies and the political will to back them up. They must have strengthened institutions and trained managers to run them. They need a responsible business sector and an enlightened public sector to work hand in hand. And they must have an informed public with the active participation of the communities most in need.

At gatherings like this, the focus of the international community on water has often masked the growing problem of poor sanitation. This is the most dehumanising aspect of the daily battle for survival of the urban poor, not to mention the health threats posed by water-borne diseases that come with

unclean water and unsafe sanitation. Indeed improper solid waste disposal is a growing threat to health and the environment. Urban institutional arrangements are fragmented, lack effective regulation and roles are not structured for efficiency or success.

Investments in infrastructure and planning have not kept up with the rate of urbanisation. Water and waste services have not been given the priority they deserve, and they show significant underinvestment, in comparison with their economic returns. Africa for example invests only 4% of its GDP in infrastructure compared to 14% in China.

Utilities in many developing countries are characterised by high water losses, unaccounted for water, bloated staffing, weak governance and financially unviable operations. Although there are some important exceptions, in general they have a long way to go in improving efficiency and effectiveness.

The facts speak for themselves: Between 1998 and 2008, 1,052 million urban dwellers gained access to improved drinking water, and 813 million to improved sanitation. But the global urban population grew at the same time by 1,089 million people, thus undermining progress. One out of four city residents worldwide, 789 million in total, lives without access to improved sanitation facilities, and 497 million people in cities rely on shared sanitation. The poor in cities receive the worst services, paying up to 50 times more per litre of water than their richer neighbours because they usually have to buy their water from private vendors.

In countries around the world, a publicly stated government policy on the right to sanitation and hygiene is long overdue. This conference has a duty to urge a reversal of the decline in per capita investment in water and sanitation for cities. It has a duty also to alert decision makers at every level to this water and sanitation crisis.

Let's make World Water Day here in Cape Town a wake-up call to the world.



Dr. Joan Clos
Undersecretary-General of the United Nations
Executive Director, UN-HABITAT



Mr. Zafar Adeel,
Chair, UN-Water

UN-Water has a major focus on overcoming urban water challenges. Managing water in rapidly growing cities is a major problem faced by numerous municipalities. In many cities of the world water quality remains poor, or the supply is intermittent, or taxes are higher because of astronomical costs of replacing ageing water infrastructure. Add to this over 800 million people living in slums, which continue to grow at an unparalleled rate and are often without access to basic amenities such as reliable clean drinking water or a toilet.

World Water Day 2011 draws attention to these problems and offers to ignite discussions that will enable humanity to overcome them. In the days leading up to, and the months following the formal launch event in Cape Town, many organizations will draw on the theme “*Water for Cities: Responding to the urban water challenge.*” They will shine the light on both challenges and successes related to the delivery of clean safe drinking water and sanitation facilities in towns and cities. They will urge investment to address problems, help stimulate policy attention as well as public and private investment in water improvements, and celebrate innovative solutions.

This UN-Water initiative, spearheaded in 2011 with great energy and flair by UN-Habitat, includes multiple facets to better focus global attention on water issues in cities and their inhabitants. A vibrant website (www.unwater.org/worldwaterday) anchors the campaign, providing ready access to facts, figures and authoritative reading materials, a variety of downloadable campaign materials available to those organising events across the planet, as well as to links to previous WWD campaigns led by other UN-Water members. We have observed a steady growth of visits to the WWD website over the years and with the addition of an active social media campaign anticipate attracting about a million unique visitors to this year’s edition.

The event in Cape Town will feature a variety of thematic sessions organized by UN-Water members and partner organizations. Those sessions will showcase many initiatives being undertaken to try and address pressing

water issues in cities. The WWD 2011 exhibition and fair will also provide an important forum for learning and discussion among like-minded people dedicated to addressing global water issues.

On behalf of all our members and partners, I take great pleasure in encouraging you to participate fully in all aspects of this year's edition of World Water Day. Let's together mark this as a beginning of a water revolution in cities.



**Mr. Zafar Adeel,
Chair, UN-Water**

4 MESSAGE FROM UNEP



Mr. Achim Steiner
Under-Secretary-
General, United Nations
Executive Director,
UNEP

World Water Day takes water and urbanization as its twin themes for 2011—central issues that go to the heart of whether the 21st century can be transformed into a low carbon, resource efficient era for close to seven billion people, rising to around nine billion in 40 years time.

UNEP has put both water and cities among the top challenges, but also opportunities in respect to catalyzing a Green Economy within the context of poverty eradication and sustainable development as the world prepares for the UN Conference on Sustainable Development or Rio+20 in 2012.

They are also key areas for its work on how to ‘decouple’ resource use from economic development: in other words how to generate growth and employment, but in a way that keeps humanity’s footprint within planetary boundaries.

For it clear that the kinds of economies of scale, resource savings and opportunities for creative approaches to conserving and reusing water and indeed other resources such as energy are achievable in well planned cities driven by smart planning and public policies that can extend and deliver sustainability well beyond their borders.

It is also clear that cities are not independent of the wider world including the glaciers of mountain ranges and forested lands sometimes far away from the urban dwellers who rely on their discharges and ecosystems for drinking water and other related services.

The Economics of Ecosystems and Biodiversity, a partnership hosted by UNEP, estimates that one-third of the world’s largest cities draw their water supplies from protected forest areas and in some parts of the world countries are using forward-looking market mechanisms, such as Payment for Ecosystem Services, to reflect this. Some countries are acting in other ways.

Kenya, where both UNEP and UN-Habitat are headquartered, has embarked on a restoration of the Mau forest complex—one of Sub-Saharan Africa’s largest closed canopy forests which has lost over a quarter of its cover over recent decades as a result of clearance for agriculture and other impacts.

The restoration, supported by governments including members of the European Union and the United States, has been triggered by estimates that the services generated by the Mau—including flows for key river systems; hydropower and moisture for the local tea industry—are worth \$1.5 billion to the Kenyan economy alone.

There is still more work to be done on the precise relationship between cities and water. It is generally understood that urban areas impact on ecosystems through over-abstraction of water and discharge of wastewater but the exact scale of these impacts globally is not yet fully understood.

The picture is complicated by the fact that cities are highly diverse and thus their impacts on ecosystems and water are equally varied. A UNEP, UN-Habitat and African Ministerial Council on Water (AMCOW) publication “An Ecosystems Approach to Water Resources Management for African Cities” to be launched during the World Water Day will fill in an important information gap for policy making and action in these areas.

Conventionally, urban water management has focused on the simple equation of supplying water and sanitation services. It is time for cities to look both within and beyond and to recognize how many sectors contribute and are impacted by these twin requirements. Engaging in watershed management while also looking to wetlands as both suppliers and purifiers of waste waters can generate multiple benefits including improvements to biodiversity, food security and flood defenses as well as maintain water and sanitation services in often economically attractive, sustainable ways.

Thermal power plants can provide much needed electricity but are also water thirsty in terms of cooling. What is the potential for renewables within a city—photovoltaics and wind energy, for example, not only require little or no water use but can contribute to lower levels of urban air pollution?

Creative pricing policies, especially ones that protect the most vulnerable citizens can also contribute to greater water resource efficiency perhaps especially in agriculture.

World Water Day 2011 should be a moment of honest stock taking in terms of what has worked and what has not worked in respect to cities and water since the Rio Earth Summit of 1992. In doing so, it can provide important guidance to Rio+20 as governments look to evolve and scale-up sustainable development to meet the realities of a new century..

Mr. Achim Steiner
Under-Secretary-General, United Nations
Executive Director, UNEP



HRH Prince Willem-Alexander of the Netherlands
Chair of UNSGAB

This year World Water Day focuses attention on urban challenges. Rightfully so! Half of the human population now lives in cities, and within two decades nearly two-thirds of humanity will be living in cities. In terms of providing safe drinking water and basic sanitation to their inhabitants, cities are doing pretty well for water: according to the United Nations Joint Monitoring Programme, globally cities have kept coverage rates stable in the face of massive population growth. To meet the water and sanitation targets of the Millennium Development Goals, it is critical that we maintain these efforts – and that we step them up.

Sanitation is today one of the most worrying targets, especially in cities. Open defecation rates are increasing in cities – up to 169 million in 2008 compared to 140 million in 1990. Shared sanitation facilities, unconnected to plumbing infrastructure are the norm in slum areas. The impacts on health, education, poverty reduction, and dignity, are well known. It is not possible to stay idle in front of this challenge. To put the spotlight on sanitation in these last critical years before the 2015 deadline of the Millennium Development Goals, UNSGAB initiated the *Sustainable Sanitation five-year drive to 2015*. This campaign will help to keep sanitation high on the political agenda, generate political will and empower communities to organize sustainable sanitation solutions – all in all an effort to meet the MDG sanitation target. Governments endorsed it: the 2010 MDG Summit Outcome document committed countries to redouble their efforts to close the sanitation gap and endorsed the five-year drive. And just last December, UN Member States endorsed a General Assembly resolution supporting the five-year drive and calling to end open defecation.

Now that we have a powerful statement of support we all need to get busy to turn this resolution into expanded sanitation coverage for the one out of four urban dwellers who lack this basic service. The events organized for World Water Day in Cape Town are an opportunity to take stock of the initiatives of all partners, and plan for increased attention to these pressing issues. In particular, UNSGAB will pay specific attention to the Global Water Operators' Partnerships Alliance (GWOPA) first General Assembly.

A few years ago, UNSGAB was instrumental in realizing that publicly owned and managed water operators provide more than 90 percent of the world's piped water, and even small managerial improvements could yield major benefits. And thus UNSGAB recommended a new mechanism—water

operator partnerships designed as a structured programme of cooperation among water operators, based on mutual support and on a not-for-profit basis. Such utilities are particularly important in the urban environment: this recognition led UN-HABITAT to take the lead and host the GWOPA. Today it is genuinely encouraging to see how this initiative has grown up. We commend the efforts of the Alliance members who are contributing to the effort to implement concrete, hands-on capacity-building and thus enhance the efficiency of water and sanitation utilities.

The millions of people moving into cities around the world need potable water, sanitation services, and a wastewater system that keeps cities free of disease and ensures sustainable development. Let this be a World Water Day which inspires governments, municipalities and utilities work harder and plan better to deal with the ever growing water and sanitation needs of everyone. It is our right. Water, after all is life. Sanitation is dignity.

Thank you and I look forward to celebrate World Water Day 2011 with you in Cape Town.



HRH Prince Willem-Alexander of the Netherlands
Chair of UNSGAB



Hon. Edna Molewa
Minister of Water and
Environment Affairs,
Republic of South
Africa and President of
AMCOW

The African Ministers' Council on Water (AMCOW) is pleased to join UN-HABITAT in co-organizing World Water Day (WWD) 2011. The global observance of WWD 2011, to be hosted by the Government of South Africa in Cape Town with the theme Water and Urbanization, is a good opportunity to discuss a range of options for tackling urban water and sanitation challenges facing the African continent.

In the last five decades, Africa has experienced an unprecedented demographic shift. In 1950, the urban share of the total population in sub-Saharan Africa was only 14.5 percent; in 1980 it increased to 28 percent and further increased to 34 percent in 1990. With an estimated annual average growth of 3.31 percent, the urban population is expected to reach 50 percent by 2020 and 60 percent by 2025. An even more significant figure is that today 71.9 per cent of urban Africans live in slums. This figure is 46 percent in Asia and a little over 30 percent in Latin America and the Caribbean.

With only five years to the the Millennium Development Goals (MDGs) deadline, managing water and sanitation in rapidly growing African cities and towns is undoubtedly an urgent priority for AMCOW. Although most African countries are still lagging behind in meeting the millennium targets, significant steps have been taken to fast track regional and national efforts aimed at addressing water and sanitation.

The 3rd Africa Water Week held in Addis Ababa, Ethiopia from 22-26 November 2010, provided an opportunity to highlight positive steps being taken by African countries in translating into action regional commitments as outlined in the Sharm El Sheikh, Tunis and e-Thekwini declarations.

It is our hope that the global celebrations of WWD 2011 will build on the outcome of the 3rd African Water Week, especially in the African Caucus, which will bring together a high level panel composed of African Ministers, Mayors, civil society organizations, representatives of development banks and the private sector to brainstorm practical steps in accelerating the achievement of MDGs in Africa.

Hon. Edna Molewa
Minister of Water and Environment Affairs, Republic of
South Africa and President of AMCOW

7 PROGRAMME OVERVIEW

The overview below shows the title, conveners and venue of thematic sessions, book launches, awards, social events and field trips scheduled for 20-21 March 2011. It also outlines the main programme of the global celebrations scheduled for 22 March 2011, including cultural activities, opening plenary, talk shows, video linkages with regional events and panel discussions.

The thematic sessions are organized by UN-Water members and partner organizations. Full

day sessions (7 hour sessions) begin at 09:00am and end at 05:30pm. Morning sessions (4 hour sessions) begin at 09:00am and end at 12:30pm. Afternoon sessions (2 hour sessions) begin at 02:00pm and end at 05:30pm.

Book launches and award ceremonies (1 hour sessions) will take place at the Fair during lunch break.

SUNDAY 20 MARCH

Full Day (9:00am-5:30pm)				
	Event	Conveners	Venue	Page
1.	Global WOPs Congress and GWOPA General Assembly	Global Water Operators Partnerships Alliance (GWOPA)	Morning Session - Roof Terrace (Room. 2.80); Terrace Foyer (Room. 2.81); Afternoon Session - Rooms 2.61, 2.62, 2.63, 2.64, 2.65, 2.66	16
2.	Seminar on Human Values-based Water, Sanitation and Hygiene Education: Best Practices for Sustainable Programmes	The United Nations Human Settlements Programme (UN-HABITAT) and Project Wet Foundation	Room 2.43	22
3.	AMCOW World WATER Forum African Caucus	African Ministers' Council on Water (AMCOW)	Rooms 1.62 and 1.63	24
Morning (9:00am-12:30pm)				
4.	Radical versus incremental change - how to SWITCH urban water systems to meet current and future challenges?	SWITCH Consortium, UNESCO-IHE, ICLEI - Local Governments for Sustainability	Room 2.63, 2.64	25
5.	Water and Green Growth	World Water Council	Rooms 2.44, 2.45, 2.46	27
6.	Water- The Urban Challenge	Global Water Partnership	Rms. 2.64 , 2.65 and 2.66	29
Lunch Time (12:30pm-2:00pm)				
	Launch of UNESCO-IHP Urban Water Series	United Nations Educational, Scientific and Cultural Organization (UNESCO)	Fair	61
	Launch of African Water Atlas	Charles Sebukeera (UNEP) and Sives Govender (EIS-Africa)	Fair	63
Afternoon (2:00pm-5:30pm)				
7.	Water Champion Cities: Getting prepared for urban challenges	World Water Council (WWC) and the co-organisers of the 6th World Water Forum	Room 1.61	31

MONDAY 21 MARCH

Full Day (9:00am-5:30pm)

	Event	Conveners	Venue	Page
	Global WOPs Congress and GWOPA General Assembly	Global Water Operators Partnerships Alliance (GWOPA)	Roof Terrace (Room. 2.80); Terrace Foyer (Room. 2.81)	16
8.	Journalists Training Workshop	UN-Water Decade Programme on Advocacy and Communication (UNW-DPAC), the United Nations Human Settlements Programme (UN-HABITAT)	Room 2.41	34

Morning (9:00am-12:30pm)

9.	Water and Urbanization for the African Water Caucus	United Nations Human Settlements Programme (UN-HABITAT); the African Ministers' Council on Water (AMCOW); the United Nations Environment Programme (UNEP) and WaterAid	Rooms 2.61, 2.62, 2.63, 2.64, 2.65, 2.66	35
10.	Water and Disaster	High-Level Experts Panel on Water and Disaster (HLEP/UNSGAB), UNSGAB, ISDR, WWC, Korea Water Forum, Japan Water Forum, UN-HABITAT and UNESCO	Rooms 2.44, 2.45 and 2.46	37
11.	International Water Quality Standards/ Guidelines for Ecosystems	United Nations Environment Programme (UNEP)	Room 2.42	39
12.	Panel discussion on water in Southern Africa	Council for Scientific and Industrial Research (CSIR)	Room 1.44	40
13.	Right to Water and Sanitation	Department of Water Affairs, South Africa (DWA) and the United Nations Human Settlements Programme (UN-HABITAT)	Rooms 1.61 and 1.62	42
14.	Linking Urban Water and Basin Management amidst changing demands	World Business Council for Sustainable Development (WBCSD), AquaFed, International Water Association (IWA) and National Business Initiative (NBI)	Room 1.42 and 1.43	44
15.	On the Road to Rio+20: Managing water under uncertainty and risk	United Nations World Water Assessment Programme (WWAP) and UNSGAB	Room 1.41	55

Lunch time (12:30pm-2:00pm)

	Title	Convener	Venue	Page
	Launch of the joint publication by Tongji University, UNEP, AMCOW and UN-HABITAT <i>Green Hill, Blue Cities: An Ecosystems Approach to Water Resources Management for African Cities</i>	Tongji University, UNEP, AMCOW and UN-HABITAT	Fair	64
	UNW-DPC publication on "Capacity Development for Water Efficiency and Water Loss Management" and DVD on "Reducing Water Loss in Cities around the World"	The UN-Water Decade Programme on Capacity Development (UNW-DPC)	Fair	65/66

Afternoon (2:00pm-5:30pm)				
16.	Water Monitoring, Assessment and Reporting for Informed Decision-Making, with a focus on Africa	United Nations World Water Assessment Programme (WWAP), UN-Water/Africa and African Minister's Council on Water (AMCOW)	Room 1.41	46
17.	Non Revenue Water Reduction : An African Perspective	United Nations Human Settlements Programme (UN-HABITAT); UN-Water Decade Programme on Capacity Development (UNW-DPC); The African Development Bank (AfDB)	Room 1.44	51
18.	Groundwater Management in Urban Areas	United Nations Educational, Scientific and Cultural Organization (UNESCO)	Rooms 2.44 and 2.45	53
19.	Transforming Water Utilities into Sustainable Business Enterprises	Sustainable Water and Sanitation in Africa (SUWASA)	Room 1.42	57
20.	Water and Climate Change: The Road to COP 17	The World Bank	Rooms 1.61, 1.62, 1.63 and 1.64	58
21.	Sustainable Urban Wastewater Management in Coastal Cities	United Nations Environment Programme (UNEP) and the United Nations Human Settlements Programme (UN-HABITAT)	Room 2.43	49
22.	UN-Water Mapping Exercise on Water Quality	United Nations Environment Programme (UNEP)	Room 2.42	48
23.	Sharing Best Practices: Water Security for Cities	Department of Water Affairs (DUA)	Room 1.43	
Evening (18.00 – 20.00)				
24.	Capacity Building on Ecosystem Approaches to Water Resources Management for Urban Areas in Africa	UNEP / UN-Habitat / Tongji University	Room 2.43	60

TUESDAY 22 MARCH

Full Day (9:00am-5:30pm)				
	The main global event	UN-WATER, UN-HABITAT, UNEP, UNSGAB and AMCOW	Auditorium 1	14
Lunch time (12:30pm-2:00pm)				
	Event	Conveners	Venue	Page
	Announcement of the Stockholm Water Price Laureate	Stockholm International Water Institute (SIWI)	Fair	
	Announcement of the Water for Life Best Practices Award winners	UN-Water Decade Programme on Advocacy and Communication (UNW-DPAC) and the United Nations World Water Assessment Programme (WWAP)	Fair	67

PROGRAMME OF THE MAIN GLOBAL EVENT 22 MARCH 2011

The global commemoration of World Water Day 2011 will comprise three interactive panels composed of high-level dignitaries:

i) The African Caucus

The African Caucus will bring together African Ministers, Mayors, civil society organizations, representatives of development banks and the private sector to discuss a range of opportunities for tackling urban water and sanitation challenges facing the continent. The Panel will build on the outcome of the 3rd African Water Week held in Addis Ababa, Ethiopia from 22-26 November 2010.

ii) Water and Cities Debate

In the Water and Cities debate, representatives of the international association ICLEI - Local Governments for Sustainability and other international organisations working with local governments will discuss water and sanitation challenges confronting local governments. The Panel will also brainstorm ideas, including policy and investments, required to improve the water and sanitation situation in a rapidly urbanizing world.

iii) The Global Forum

The Global Forum will comprise high-level dignitaries, heads of United Nations agencies, the African Ministers' Council on Water (AMCOW) and prominent personalities from the media and private sector. It will summarize the outcome of the WWD 2011 global celebrations based on inputs from the regions and provide policy guidance based on a variety of approaches and ideas for accelerating efforts in reaching the Millennium Development Goal targets for water and sanitation.

Moderators



Johan Kuylenstierna

He currently holds a position as Centre Director and Deputy Director Operations at the Stockholm Environment Institute and serves as adjunct professorship in international water resources issues

at the Department of Physical Geography and Quaternary Sciences at the Stockholm University. Johan was previously the Chief Technical Advisor to the Chair of UN-Water.



Rene Carayol

He is one of the world's leading business gurus specialising in leadership, culture and transformation, drawing from his own unique experiences on the boards of the biggest British and American organisations; from

Marks & Spencer and Pepsi to IPC Media and the Inland Revenue. Rene is a regular broadcaster for the BBC and a frequent voice on Radio 5 Live and a regular expert commentator on Sky News and BBC Breakfast.

THE MAIN GLOBAL EVENT 22 MARCH 2011

Opening Session - Venue: Auditorium 1		
Time	Topic	Moderator
08.00-09.00	Cultural programme	Mr. Johan Kuylenstierna
09.00-09.05	Meeting Agenda and Introduction of event organizers	Mr. Johan Kuylenstierna
09.05- 09.30	Opening statements i) <i>Hon. Edna Molewa</i> , Minister of Water and Environmental Affairs, Republic of South Africa and President of AMCOW ii) <i>Mr. Tim Kasten</i> , Deputy Director, Division of Environmental Policy Implementation and Coordinator, Freshwater and Terrestrial Ecosystems Branch, UNEP and Vice Chair of UN-Water iii) <i>HRH Prince Willem-Alexander</i> of the Netherlands, Chair of UNSGAB	Mr. Johan Kuylenstierna
09.30 -09.45	Keynote address by <i>Dr. Joan Clos</i> , Under-Secretary General and Executive Director, UN-HABITAT	Mr. Johan Kuylenstierna
09.45-10.00	Feedback from the Thematic Sessions by <i>Mr. Bert Diphorn</i> , Director, Human Settlements Financing Division, UN-HABITAT	Mr. Johan Kuylenstierna
10.00-10.45	Live Connection to Beirut	Mr. Johan Kuylenstierna
10.45-11.15	Coffee Break at the Exhibition and Fair	
11.15-12.00	The African Caucus Panelists: i) <i>Mr. Alioune Badiane</i> , Director, Regional Office for Africa and the Arab States, UN-HABITAT ii) <i>Hon. Brian Chituwo</i> , Minister of Local Government and Housing, Republic of Zambia iii) <i>Hon. Samuel Sipepa Nkomo</i> , Minister of Water Resources Development and Management, Republic of Zimbabwe iv) <i>Mr. Alderman Clive Justus</i> , Executive Mayoral Committee Member, Utility Services, City of Cape. Town, South Africa v) <i>Mr. Sering B. O. Jallow</i> , Manager, OWAS.2, African Development Bank vi) <i>Mr. Percy Sechemane</i> , Chief Executive, Rand Water	Mr. Rene Carayol
	Live Connection to Dakar	Mr. Johan Kuylenstierna
12.00-12.15	Live Connection to Zaragoza	Mr. Johan Kuylenstierna
12.15-14.00	Lunch at the Exhibition and Fair Side Events: i) Announcement of the Stockholm Water Prize Laureate, by SIWI at the Fair ii) Announcement of the Water for Life Best Practices Award winners by UNW-DPAC	Mr. Johan Kuylenstierna
14.00-15:30	Water and Cities Debate Panelists: i) <i>Ms. Julia Bucknall</i> , Sector Manager, Water Unit, The World Bank ii) <i>Prof. Kalanithy Vairavamoorthy</i> , Director, Patel School of Global Sustainability, University of South Florida and scientific director of SWITCH (Sustainable Water Management Improves Tomorrow's Cities Health) project iii) <i>Ms. Margaret Pageler</i> , Executive Committee member, ICLEI - Local Governments for Sustainability iv) <i>Dr. Ania Grobicki</i> , Executive Secretary, Global Water Partnership v) <i>Mr. Benedito Braga</i> , President of the International Forum Committee for the 6 th World Water Forum and Vice-President, World Water Council vi) <i>Mr. Chan Yoon Kum</i> , Deputy Chief Executive, PUB, Singapore	Mr. Rene Carayol
15.30-16.00	Coffee Break at the Exhibition and Fair	
16.00-17.30	Global Forum (Closing Session) Panelists: i) <i>Hon. Edna Molewa</i> , Minister of Water and Environmental Affairs, Republic of South Africa and President of AMCOW ii) <i>Mr. Tim Kasten</i> , Deputy Director, Division of Environmental Policy Implementation and Coordinator, Freshwater and Terrestrial Ecosystems Branch, UNEP and Vice Chair of UN-Water iii) <i>HRH Prince Willem-Alexander</i> of the Netherlands, Chair of UNSGAB iv) <i>Mr. Rolf Stahlhofen</i> , Renowned Artist and Habitat Messenger of Trust v) <i>Mr. Jose Luis Irigoyen</i> , Director, Department of Transport, Water and Information Communication Technology, The World Bank.	Mr. Rene Carayol
17.30 – 17.45	Closing and cultural programme	Mr. Johan Kuylenstierna
17.45 - 20.00	Jazz Festival at the Fair	All invited
20.00 - 21.00	Live Connection to Washington <i>*Due to time difference, the connection to Washington may be organised earlier in the afternoon</i>	Mr. Johan Kuylenstierna
21.00-	Jazz Festival continues at the Fair	All invited

SUNDAY 20 MARCH FULL DAY 9:00AM-5:30PM

1. Global WOPs Congress and General Assembly

Date: 20-21 March

Time: 9:00-17:30 on the 20th and 9:00-17:00 on the 21st

Venue: Roof Terrace, the Terrace Foyer, Room 2.61, 2.62, 2.63, 2.64 & 2.65

Session Convenors: Global Water Operators' Partnerships Alliance (GWOPA)/UN-HABITAT



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Session Description

In its efforts to make Water Operators' Partnerships (WOPs) happen with greater impact around the world, the Global Water Operators' Partnerships Alliance (GWOPA) is holding its 1st Bi-Annual Global WOPs Congress and GWOPA General Assembly on 20th-21st March 2011 in Cape Town, South Africa, in conjunction with World Water Day celebrations on 22nd of March. The Congress will bring together water and sanitation operators, GWOPA members, and partners from around the world for this first major global WOPs event. The Congress will contribute to the growing body of knowledge on WOPs, help broker new partnerships between operators, and generally raise awareness about the practice. The event represents a major opportunity for practitioners from around the world to exchange with one another on important questions around WOPs.

GWOPA is working to help water operators help one another improve their collective capacity to provide access to water and sanitation services for all. It is hosted by UN-HABITAT, and operates as a global network of partners working together to promote and facilitate peer support between utilities on a not-for-profit basis. In the framework of the Congress, GWOPA will convene its first General Assembly, where the GWOPA Secretariat will present its progress to all members, and renew its Steering Committee through the replacement of half of its seats.

Programme

Day 1: Sunday, 20 March		
Time	Topic	Speakers
9:00-10:00	Opening Session	Chair: <i>Mr. Bert Diphorn</i> , Chair of GWOPA Steering Committee / Director of Human Settlement and Financing Division, UN-HABITAT
9:00-9:05	Opening Remarks	<i>Mr. Bert Diphorn</i> , Chair of GWOPA Steering Committee
9:05-9:15	Welcome Remarks	<i>Mr. Ald Ian Neilson</i> , Executive Deputy Mayor of Cape Town
9:15-9:25	Welcome Address	<i>Dr. Joan Clos</i> , Under-Secretary General and Executive Director, UN-HABITAT
9:25- 9:55	Keynote Addresses	<ul style="list-style-type: none"> <i>H.E. Ek Sonn Chan</i>, General Director, Phnom Penh Water Supply Authority (PPWSA) <i>Dr. Anne le Strat</i>, President, Aqua Publica Europea / President, Eau de Paris / Deputy Mayor of Paris responsible for water (Video Presentation)
9:55- 10:00	Congress Overview and Objectives	<i>Dr. Faraj El-Awar</i> , Programme Manager, GWOPA
10:00-10:30	Coffee Break	
10:30-13:00	Plenary Session I: WOPs Impacts	Chair: <i>Ms. Margaret Catley-Carlson</i> , Member of UN Secretary General's Advisory Board and Water and Sanitation (UNSGAB)
10:30-11:30	Part I: Presentations on WOPs	
10:30-11:15	WOPs duos (co-presentations from mentors and recipients)	<p>Africa:</p> <ul style="list-style-type: none"> <i>Dr. Gerhard van den Top</i> (Vitens-Evides International, Netherlands) and <i>Mr. Nestor Beete</i>, Executive Chairman, FIPAG, Mozambique (Mozambican Water Authority, Mozambique) <p>Latin America:</p> <ul style="list-style-type: none"> <i>Mr. Francisco Piedrahita</i>, Director of Water, EPM (Empresas Publicas de Medellin, Colombia) and <i>Mr. Fernando Peñaherrera</i>, Gerencia de Desarrollo Institucional, EMAAP-Q (Empresa Metropolitana de Alcantarillado y Agua Potable de Quito, Ecuador) <p>Arab Region:</p> <ul style="list-style-type: none"> <i>Mr. Samir Bensaid</i>, Director General, ONEP-IEA (Institut International de l' Eau et de l' Assainissement - Office National Eau Potable, Morocco) and <i>Mr. Mohamed El Moctar M'Haimid</i>, Deputy General Director, SNDE (Société Nationale des Eaux, Mauritania)
11:15-11:35	Key Success Factors for WOPs	<i>Mr. Cesar Yniguez</i> and <i>Mr. Digby Davies</i> , GWOPA Advisors
11:35-12:00	Questions and Answers	
12:00-13:00	Part II: Panel - How to Increase the Impact of WOPs?	<p>Facilitator: <i>Ms. Margaret Catley-Carlson</i></p> <p>Panelists:</p> <ul style="list-style-type: none"> <i>Dr. Ger Bergkamp</i>, Regional Group and Programmes Director, International Water Association (IWA) <i>Mr. Arie Istandar</i>, Water and Sanitation Team Leader, ECO-Asia <i>Mr. David Boys</i>, Utilities Officer, Public Service International (PSI) / Member of UNSGAB <i>Dr. Rose C. Kaggwa</i>, Senior Manager External Services, National Water and Sewerage Corporation (NWSC) of Uganda <i>Dr. Gerhard van den Top</i>, Director, Vitens-Evides International (VEI)
13:00-14:00	Lunch	

14:00-15:30	Thematic Sessions: Increasing WOPs Impact – Part 1	
	<p>Thematic Session 1: The complimentary role of WOPs and training for capacity development</p>	<p>Conveners: International Water Association (IWA) and GWOPA Secretariat</p> <p>Facilitator: <i>Mr. Tom Williams</i>, Programmes Manager, IWA</p> <p>Agenda: Welcoming address, introduction to the session and the role of WOPs in meeting CD needs</p> <ul style="list-style-type: none"> • <i>Dr. Anne Bousquet</i>, Training and Capacity Building Officer, GWOPA <p>Human Resource Capacity Gaps in Delivery of WATSAN MDGs</p> <ul style="list-style-type: none"> • <i>Dr. Darren Saywell</i>, Regional Group and Programmes Director, IWA <p>Case Study: WOPs to bridge short term CD gaps</p> <ul style="list-style-type: none"> • <i>Dr. Hamanth Kasan</i>, General Manager - Scientific Services, RandWater <p>Case Study: WOPs to strengthen institutional capacity to deliver training (movie presentation)</p> <ul style="list-style-type: none"> • <i>Mr. Leo Nijland</i>, Programme Manager, Staff International Development Cooperation, DUNEA <p>Case study from Latin America: FESAN and CINARA initiative</p> <ul style="list-style-type: none"> • <i>Mr. Guillermo Saavedra</i>, President, FESAN (Federacion Nacional de Cooperativas de Servicios Sanitarios), Chile <p>Q&A, panel discussion and wrap-up</p> <p>Panelist: Speakers and <i>Dr. Bekithemba Gumbo</i>, Director, Cap-Net Representative from UNESCO-IHE (tbc)</p>
	<p>Thematic Session 2: Participation - harnessing the potential of civil society and trade unions in making WOPs succeed</p>	<p>Conveners: Reclaiming Public Water Network (RPWN), Public Services International (PSI) and GWOPA Secretariat</p> <p>Facilitator:</p> <ul style="list-style-type: none"> • <i>Mr. Pierre-Yves Monette</i>, European Federation of National Associations of Water and Wastewater Services (EUREAU) <p>Speakers: Participation of users - a powerful tool for improving water delivery</p> <ul style="list-style-type: none"> • <i>Mr. MS Vaidyanathan</i>, President, Centre of Excellence for Change, Water Organisations Partnerships in India <p>Experiences with working with NGOs in implementing WOPs - a water operators perspective</p> <ul style="list-style-type: none"> • <i>Mr. Héctor Rivero</i>, Responsable del Área de Internacional, Asociación Estatal de Operadores Públicos de Agua y Saneamiento (AEOPAS), Consorcio Provincial de Aguas de Sevilla, Spain <p>Latin American experiences with community-driven water partnerships</p> <ul style="list-style-type: none"> • <i>Ms. Marcela Olivera</i>, Platform for Public and Community Partnerships of the Americas <p>Trade unions as partners in WOPs</p> <ul style="list-style-type: none"> • <i>Mr. Julius Apale</i>, Assistant General Secretary, Kenya Local Government Workers' Union (KLGWU) <p>The role of NGOs been in developing political support and financial support for WOPs</p> <ul style="list-style-type: none"> • <i>Mr. Eloi Badia</i>, Tècnic d'Incidència i Sensibilització, Enginyeria Sense Fronteres Catalunya

15:30-16:00	Coffee Break	
16:00-17:30	Thematic Sessions: Increasing WOPs Impact – Part 2	
	<p>Thematic Session 3: Knowledge Management: What are the Priorities for Increasing WOPs Impact?</p>	<p>Conveners: GWOPA Secretariat</p> <p>Facilitator: <i>Ms. Josefina Maestu</i>, Coordinator/Director, UN-Water Decade Programme on Advocacy and Communication (tbc)</p> <p>Agenda: Managing Knowledge for WOPs: GWOPAs approach</p> <ul style="list-style-type: none"> • <i>Ms. Julie Perkins</i>, Programme Officer, GWOPA <p>Tools: Introduction to GWOPA's tools and databases</p> <ul style="list-style-type: none"> • <i>Mr. Mark de Blois</i>, Upande <p>Monitoring: Waterlinks KM tools</p> <ul style="list-style-type: none"> • <i>Mr. Niels van Dijk</i>, (Waterlinks) <p>Drawing Lessons from Practice: The European Commission Report</p> <ul style="list-style-type: none"> • <i>Ms. Josephine Tucker</i>, Research Officer, Overseas Development Institute (ODI) <p>Panel Discussion: Panelists:</p> <ul style="list-style-type: none"> • <i>Mr. Digby Davies</i>, GWOPA • <i>Mr. Steen Bjerggaard</i>, WOPs Coordinator, IWA • <i>Ms. Satoko Kishimoto</i>, Transnational Institute (TNI)
	<p>Thematic Session 4: Making WOPs Work for the Poor: from Efficiency to Expanded Access</p>	<p>Conveners: IWA and GWOPA secretariat</p> <p>Facilitator:</p> <ul style="list-style-type: none"> • <i>Dr. Dennis Mwanza</i>, Deputy Chief of Party, Sustainable Water and Sanitation for Africa (SUWASA) <p>Agenda:</p> <p>Introduction and overview</p> <ul style="list-style-type: none"> • <i>Mr. Tom Williams</i>, Programmes Manager, IWA <p>IWA utility Efficiency Assessment Matrix</p> <ul style="list-style-type: none"> • <i>Mr. Jan Janssens</i>, Consultant to IWA <p>Performance-Based WOP</p> <ul style="list-style-type: none"> • <i>Mr. John Mgoba</i>, Managing Director, Gusii Water & Sanitation Company Ltd. (tbc) <p>Financing expansion of services to the urban poor</p> <ul style="list-style-type: none"> • <i>Ms. Corinne Cathala</i>, Inter-American Development Bank <p>Catalyzing Expansion of Water Services to Indonesia's Urban Poor</p> <ul style="list-style-type: none"> • <i>Ms. Nerissa Jose</i>, CSR Officer, Maynilad Water Services <p>Panel Discussion led by <i>Dr. Dennis Mwanza</i></p>

Day 2: Monday, 21 March		
Time	Topic	Speakers
9:00-11:00	Plenary Session II: Regional WOP platform Sharing	Chair: <i>Mr. Piers Cross</i> , Advisor, UN-HABITAT
9:00-10:10	Part I: Presentations on Regional WOP Platform	
9:00-9:15	Presentation by GWOPA	Supporting and linking regional WOP initiatives: GWOPA's role <ul style="list-style-type: none"> • <i>Dr. Faraj El-Awar</i>, Programme Manager, GWOPA
9:00-9:15	Presentations by Regional and National WOP platforms	<p>“WOPs in Latin America and the Caribbean”</p> <ul style="list-style-type: none"> • <i>Ms. Corinne Cathala</i>, WOP-LAC / Inter-American Development Bank <p>Supporting regional and domestic WOPs in Asia</p> <ul style="list-style-type: none"> • <i>Mr. Paul Violette</i>, ECO-Asia Chief of Party <p>National WOPs Platforms: the case of Pakistan</p> <ul style="list-style-type: none"> • <i>Mr. Masroor Ahmad</i>, Water and Sanitation Specialist, WSP-Pakistan
10:00-10:10	Questions and Answers	
10:10-11:00	Part II: Panel – How to Further Strengthen WOPs Platforms?	<p>Facilitator: <i>Mr. Niels van Dijk</i>, WaterLinks</p> <p>Panelists:</p> <ul style="list-style-type: none"> • <i>Mr. Sering Jallow</i>, Water and Sanitation Department (OWAS), African Development Bank (AfDB) • <i>Ms. Cassilde Breniere</i>, Task Team leader, Division Manager, Water & Sanitation, Agence Française de Développement (AFD) • <i>Mr. Rudolf Frauendorfer</i>, Principal Urban Development Specialist, Asian Development Bank (ADB) • <i>Dr. David Korenfeld</i>, President, Asociación Nacional de Empresas de Agua y Saneamiento (ANEAS) of Mexico • <i>Mr. Gerard Payen</i>, President, AquaFed / Member of UNSGAB
11:00-11:30	Coffee Break	
11:30-13:00	Stakeholder Meetings	
	1. Exploring Tools and Opportunities for WOPs with Utilities	<p>Objectives:</p> <ul style="list-style-type: none"> • To introduce and experience web based tools (GWOPA Website and GRUBS) for facilitating WOPs • To facilitate networking of utilities <p>Agenda:</p> <ul style="list-style-type: none"> • Introduction to the session • Demonstration of tools • Introduction of mentor utilities using “utility profiles” on GWOPA website • Networking and experiencing tools <ul style="list-style-type: none"> • Uploading utility profiles/staff profiles on GWOPA website • Networking with other utilities* <p><i>*Mentor utilities will hold keep one table/each as their stations to receive potential partner utilities</i></p>
	2. Making the most of the Alliance approach to support WOPs with Development Partners*	<p>Objectives:</p> <ul style="list-style-type: none"> • To understand how GWOPA partners can work more effectively, in a coordinated manner, towards the common goal of supporting the practice of WOPs around the world • To clarify our common objectives, and our shared tasks in achieving the common goal and map out the respective roles and inputs of GWOPA partners and members <p>Agenda:</p> <ul style="list-style-type: none"> • Introduction to the session • Presentation by GWOPA • Roundtable discussion <p><i>* By invitations but other participants are also welcome.</i></p>

13:00-14:00	Lunch	
14:00-16:05	GWOPA General Assembly	Chair: <i>Mr. Bert Diphorn</i> , Chair of GWOPA Steering Committee / Director of Human Settlement and Financing Division, UN-HABITAT
14:00-14:10		Welcome and introduction of objectives of General Assembly • <i>Mr. Bert Diphorn</i> , Chair of GWOPA Steering Committee / Director, Human Settlement and Financing Division, UN-HABITAT
14:10-14:35		Presentations on GWOPA Progress Report and Work Plan • <i>Dr. Faraj El-Awar</i> , Programme Manager, GWOPA
14:35-15:00		Questions and Answers
15:00-15:10		Presentation on election rules and draw for seats to be renewed
15:10-15:45		Election/selection of Steering Committee members
15:45-15:55		Announcement and adoption of new SC members
15:55-16:05		Wrap up
16:05-16:30		Coffee Break
16:30-17:00	Closing Session	Chair: <i>Mr. Bert Diphorn</i> , Chair of GWOPA Steering Committee / Director of Human Settlement and Financing Division, UN-HABITAT
16:30-16:45	Summary of Highlights	
16:45-17:00	Special Address	<i>His Royal Highness Willem-Alexander</i> , Chair of UNSGAB
17:00	Official Closing of the Global WOPs Congress and General Assembly	<i>Dr. Joan Clos</i> , Under-Secretary General and Executive Director, UN-HABITAT



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2. Seminar on Values-based Water, Sanitation and Hygiene Education

Date: March 20, 2011

Time: 09:00am-05:30pm

Venue: Room 2.43

Session Convenors: The United Nations Human Settlements Programme (UN-HABITAT) and Project Wet Foundation

Session Description:

This seminar will focus on successful Human Values-based implementations; case studies; didactic teaching methods for hygiene, water and sanitation education; and engaging participants in breakout group dialogues in order to share questions, ideas and experiences to better manage the challenges and to learn best practices around HVBWSHE.

Rapid urbanization throughout the world has put pressure on existing limited water resources. Poor urban residents are often left with unsanitary and unreliable water sources in many countries. They endure an increasing health burden from water related diseases, resulting from unsafe water, inadequate sanitation and poor hygiene. Water, sanitation and hygiene education can play a strategic role in bringing about positive behavior and attitudinal changes, and in the longer term can promote a new water use ethic in societies.

Human Values-based water, sanitation and hygiene education (HVBWSHE) is an innovative approach that not only seeks to impart information about water, sanitation and hygiene, but also inspires and motivates learners to change their behavior to promote wise and sustainable use of water and sanitation. Experience has shown that a Values-based approach has many advantages: it can be integrated with ease into existing curricula; it creates a lasting impact through character development; and it is a proven approach in current practice world-wide, having been well documented and evaluated by experts. When coupled with hands-on and experiential learning, VBWSHE can have profound effects on hygiene practices and behavior among children

Programme:

Time	Topic	Speakers
09.00-09.05	Welcome and Overview of Agenda and Format	Session Conveners
09.05-09.30	Inspirational Opening: topic tbd	<i>Dr. Art-ong Jumsai na Ajiudia</i> , Thailand
09.30-10.30	What is Human Values-based Water, Sanitation and Hygiene Education?	UN HABITAT Overview of HVBWSHE – <i>André Dzikus</i> , UN-HABITAT Africa Success Stories – <i>Mr. Sagie Naiker</i> , South Africa Asia Success Stories – <i>Mr. Avi Sarkar</i> , Lao PDR
10.30-11.00	Coffee break	
11.00-11.30	Piloting the HVBWSHE Approach: UN HABITAT and Project WET pilot project in Latin America	Project WET <i>Ms. Julia Nelson</i>
11.30-12.00	Modeling Hands-on Pedagogy: Interactive HVBWSHE lesson	Project WET <i>Ms. Julia Nelson</i>
12.00-12.30	Evaluating Behavior Change and Impacts in HVBWSHE	Uganda Ministry of Water <i>Mrs. Teddy Tindamanyire</i>
12.30-14.00	Lunch	
14.00-14.45	Break Out Session 1: Small Group Discussions and Reporting on Topic: Best Practices for promoting Behavior Change in HVBWSHE	Small Group Moderators and Reporters from the Audience
14.45-15.15	Energizer activity: Hands-on HVBWSHE activity	Project WET
15.15-15.45	Coffee break	
15.45-16.30	Break Out Session 2: Small Group Discussions and Reporting on Topic: Best Practices for Ensuring Sustainability of HVBWSHE interventions	Small Group Moderators and Reporters from the Audience; mix groups from first round
16.30-17.00	Collaborative Summary of Break Out Session Outcomes to determine Best Practices	Moderated discussion
17.00-17.15	Wrap-up, Next Steps and Closing	Session Conveners

3. AMCOW World Water Forum African Caucus



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The 6th World Water Forum relies on 4 preparatory processes: Thematic, Regional, Political and Grassroots/Citizenship.

A Regional Process (RP) will take place in each of the 4 major “continental” regions of the world:

- Africa
- Americas
- Asia-Pacific
- Europe (at large)

The African Ministers’ Council on Water (AMCOW) has been chosen as Regional Coordinator for the Africa Region during the IFC Board meeting on October 26th, 2010. These activities are the minimal common requirements for all RC. Additional activities can be freely led by the RC and included into the World Water Forum preparation, in accordance with the IFC.

The IFC expects the AMCOW to run at least 5 multi-stakeholder WISE processes on SMART regional Targets. These Targets might be specific to the region or correspond to a global Target defined by the Thematic Process and implemented at the regional level. In the latter case, a specific coordination with the Thematic process will be put in place so as to make sure that the regional approach fits with the global one and feeds it at the same time. In any case, the regional Targets should fit within the global

framework of the “12 key priorities + 3 conditions for success” that has been approved for the Thematic process. The smallest geographical scope allowed for a regional Target and its WISE process is a sub-region. Targets at a national level or between only 2-3 countries are thus not eligible.

To identify the Targets and select the Target Coordinators, AMCOW will organize the 1st Multi-stakeholder Forum in Cape Town as one of the programs of the World Water Day jointly organized by the Government of South Africa, UNHABITAT and AMCOW

AMCOW will make sure that the multi-stakeholder will include:

- All kinds of relevant stakeholders are involved (political decision-makers at any level – regional, sub-regional, national and/or local -, intergovernmental / UN organizations, financial institutions, Civil Society Organizations, water users, professionals, scientists, experts, public and private companies...)
- “Out of the water box” stakeholders are involved when they can help reach the Target (farmers, breeders, energy producers, industrials and miners, urban planners, transportation planners, health centers...)



4. Radical versus incremental change - how to SWITCH urban water systems to meet current and future challenges?

Date: 20 March 2011

Time: 09:00 to 12:30

Venue: Rooms 2.62 and 2.63

Session Convenors: SWITCH Consortium, UNESCO-IHE Institute for Water Education, ICLEI – Local Governments for Sustainability

Session Description:

In this event, participants will explore if and how cities in a developing country context can accelerate the development of their urban water management systems by by-passing conventional, centralized approaches and promoting more decentralized and flexible solutions that promise a higher degree of sustainability.

Discussions will evolve around the transitioning framework that has been developed in the global research project SWITCH - 'Managing Water for the City of the Future' that will come to its conclusion in April 2011 (part-funded by Directorate-General Research of the European Commission; see www.switchurbanwater.eu). This framework - described in detail in the SWITCH Transitioning Manual - proposes a roadmap for a 'radical switch from conventional socio-technical systems to next generation urban water systems' (Jefferies, Duffy, 2010) that are suitable to cope with current and future challenges, including the serious gap in water services for poor communities, rapid urbanisation and the impacts of climate change.

With the transitioning framework as a reference for further discussions, several cities and water utilities from the developing world will share their expectations, approaches and experiences in moving their urban water systems ahead. Main attention will be on managing step-changes rather than gradual developments including the specific factors that can lead to a breakthrough in innovation.

The second part of the event will dip deeper into a number of different dimensions for transforming urban water systems in a more sustainable manner. Main themes will be: the role of research to maximize learning and innovation; mechanisms for scaling up solutions which have proven to work; and a tool to support decision-making in integrated urban water management.

Programme

Chair: Kala Vairavamoorthy, SWITCH Scientific Director		
Time	Topic	Speakers
09:00 – 10:30	Part 1: Unpacking transitioning in urban water management	
09:00 – 09:10	Welcome remarks	<i>Kala Vairavamoorthy</i> , SWITCH Scientific Director
09:10 – 09:40	Introductory presentation: Transitioning to more sustainable urban water systems	Alison Duffy, University of Abertay, UK
09:40 – 10:30	Panel: Transitioning in theory and practice - options and opportunities for step changes in urban water management in developing countries	Chair: <i>Kala Vairavamoorthy</i> , SWITCH Scientific Director Panelists: <ul style="list-style-type: none"> • <i>Rosa Mancini</i>, Coordinator Water Resources, Environmental Ministry, São Paulo State Government, Environmental Secretary Advisor for Water Resources Issues, Environmental Secretariat, State of São Paulo, Brazil • <i>Sônia Knauer</i>, Prefeitura Municipal de Belo Horizonte, and SWITCH Learning Alliance Facilitator for Belo Horizonte, Brazil • <i>Bertha Darteh</i>, SWITCH Learning Alliance Facilitator for Accra, Ghana • <i>Jay Bhagwan</i>, Director, Water Use and Waste Management, Water Research Commission, Pretoria (<i>tbc</i>) • <i>Dr. Rose Kaggwa</i>, Senior Manager, External Services, National Water and Sewerage Corporation, Kampala, Uganda (<i>invited</i>) • <i>Neil Armitage</i>, Head: Urban Water Management Group, University of Cape Town
10:30 – 11:00	Break	
11:00 – 12:30	Part II: Taking transitioning forward: approaches and tools	
11:00 – 11:25	Presentation: SWITCH Learning Alliances for action research, stakeholder collaboration and the scaling up of successful solutions	<i>Jean de la Harpe</i> , IRC Water and Sanitation Centre, Delft, The Netherlands
11:25 – 11:50	Presentation: Weighing up the options - the SWITCH City Water tool	<i>Jennifer Chlebek</i> , ARUP, Solihull, UK
11:50 – 12:15	Questions and answers by participants, discussion	Chair: <i>Kala Vairavamoorthy</i> , SWITCH Scientific Director
12:15 – 12:30	Wrap-up: Final remarks and conclusions	<i>Kala Vairavamoorthy</i> , SWITCH Scientific Director

5. Water and Green Growth

Date: 20th March 2011

Time: 9:00am – 11:00am

Venue: Rooms 2.44, 2.45, 2.46

Session Convenors: The Korean Government and the World Water Council



Session Description

In November 2010, the World Water Council (WWC) signed a memorandum of understanding with the Korean Government to initiate a joint 3 year project looking at the role of water in green growth. In the context of the recent global economic crisis, “Green Growth” is an idea that has emerged out of the Far East where economic development and urbanisation over the past several decades has come at a high environmental cost. It has been championed by the Republic of Korea, promoted by the United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP) and adopted by the Organisation for Economic Co-operation and Development (OECD) through a declaration in support of Green Growth in 2009. The OECD defines it as “environmentally sustainable economic progress to foster low-carbon, socially inclusive development”. What is not yet clear is how water management is being factored into green growth.

At World Water Week in Cape Town, the WWC in cooperation with the Korean Ministry of Land Transport & Maritime Affairs, the Korean Presidential Committee on Green Growth, and K-Water will present a side event on water and green growth chaired by Dr. Eunkyung Park, (Ambassador for Water Resources, Republic of Korea; President of the Korea Water Forum; Bureau Member; and Governor of the World Water Council). This side event will set out the project plan and initiate

a debate on the role that water plays in green growth from a variety of perspectives. Invited green growth experts and water experts will come together to open the debate and we will ask for your feedback on the proposed process, as well as your input in terms of case studies of success and failures to integrate water into green growth strategies.

Programme

Time	Topic	Speakers
9:00-9:10	Opening & Welcome Speech	<i>Mr. Wonsik Choi</i> Vice President of K-Water <i>Mr. Loïc Fauchon</i> President of the World Water Council
9:10-9:30	Green Growth – the Korean Perspective	<i>Dr. Sungjin Kang</i> Professor, Department of Economics, Korea University; Member of the Policy Consultant Committee, Ministry of Education, Science and Technology; Member of the Presidential Council for Future and Vision.
9:30-9:40	Introduction to the Water & Green Growth Project	<i>Dr. Ickhwan Ko</i> Director General of the International Cooperative Research Center, K-Water
9:40-9:50	Water, Development and Urbanisation	<i>Ms. Karin Krchnak</i> Director of International Water Policy, The Nature Conservancy; Board Member of the Alliance for Water Stewardship; Governor, World Water Council
9:50-10:00	“Towards a Green Economy: Pathways to Sustainable Development and Poverty Eradication” – Lessons from the UNEP report	<i>Dr. Steven Stone (TBC)</i> Chief of the Economics and Trade Branch in the Division of Technology, Industry and Economics, United Nations Environment Programme (UNEP)
10:00-10:10	“Green Growth Strategies” – Work in the OECD	<i>Mr. Anthony Cox</i> Head of the Environment and Economy Integration Division, Environment Directorate, Organisation for Economic Co-operation and Development (OECD)
10:10-10:20	Water & Green Growth – the Next Steps	<i>Dr. Mark Smith</i> Head of the Water Programme in the Environment and Development Group at International Union for Conservation of Nature (IUCN); Governor of the World Water Council
10:20-10:40	Panel Discussion / Debates	All
10:40-10:55	Audience Q&A	All
10:55-11:00	Synthesis & Conclusion	<i>Dr. Eunkyung Park</i> Ambassador for Water Resources, Republic of Korea; President of the Korea Water Forum; Bureau Member and Governor of the World Water Council

6. Water- The Urban Challenge

Date: Sunday 20 March

Time: 9.00 am to 13.00

Venue: Room 2.64

Session Convenor: Global Water Partnership

Photo © UN-HABITAT



Session Description:

The world's economic growth and social welfare depend on the sustainable management of the world's water resources. Population growth greatly affects water for food, energy, household and commercial use, and a healthy environment. Many countries in the world are now categorized as water stressed-based on the available amount for every person.

The UN Population Fund statistics indicate the urban population is growing even faster, expected rise from 3.3 billion in 2007 to 5 billion by 2030- more than 60% of the total. Growth in smaller cities and towns is expected to account for most of the increase, with urbanized areas in Africa and Asia forecast to double in population between 2000 and 2030.

This session will address the growing impacts of an urbanising population on the water sector, and explore opportunities to enhance affordable green growth for all while reducing adverse effects on the disadvantaged, improving the quality of life for people and their environment.

Special attention will be given to issues of food security; governance including the role of local authorities; involvement of women and the youth; and the effects of climate change particularly sea level rise on the coastal and marine zone, where the rate of population growth is highest.

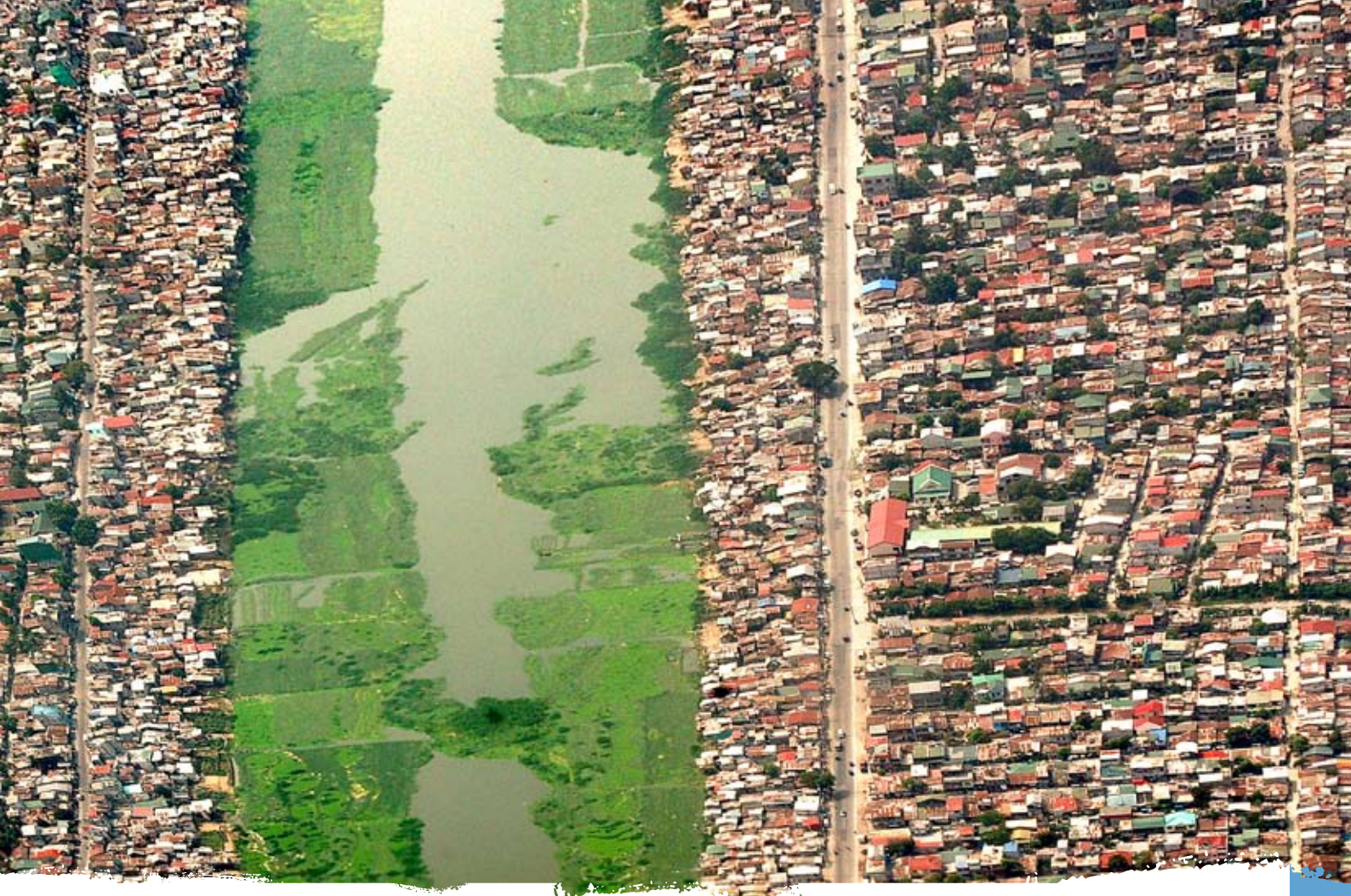
Specifically, the session will address the following issues:-

- Inter-basin transfers of water to cities away from downstream users.
- Rapidly depletion of *groundwater* both for cities, and rural source of their food.
- Cities as centers for commercial and industrial development, demanding high amounts of water as key ingredient in manufacturing and commerce.

- Cities are fastest growing in developing countries, and their population will reach 6 billion in this generation. With changes to meat and grain which have a much higher water input, the rural shadow will be much stressed to serve this increased demand.
- Cost of infrastructure (water, sanitation) is much higher for cities than for equal users in rural areas. With much higher political profile, cities absorb the larger part of national water budget, with consequent decrease in equity and welfare
- Many cities have encroached on floodplains and wetlands, increasing vulnerability to floods for all the population and directly contributing to higher carbon footprint while reducing water security.
- Energy demand for cities: high levels of water allocated for hydropower and cooling.
- Urban contribution to national economy is very high, even in Africa, where some cities like Nairobi generate 60% of GDP. These funds are used to support overall health, food, education and infrastructure demands for the whole country.
- In some countries, cities are now contributing to catchment protection upstream directly.
- 3Rs- recharge, reuse, recycle is a solution for rural areas, but when should its use be extended to the urban environment, given the kind of regulatory and physical constraints?

Programme:

Time	Topic	Lead Speakers
09.00-09.30	Introduction	Ania Grobicki/Simon Thuo
09.30-10.00	Matching social and economic objectives	Mike Muller
10.00-10.30	Coastal & Marine zones- impacts & opportunities	Max Donkor
10.30-11.00	Governing water- role of local authorities	Bev Pretorius/ICLEI
11.00-11.30	Public-Private-Local Partnerships	Phera Ramoeli
11.30-12.00	Managing Climate Impacts	Ruth Beukmann/Belynda Petrie
12.00-12.30	Gender & the Youth	Janet Macharia/Rose Makenzi
12.30-13.00	Conclusions	Andrew Takawira



SUNDAY 20 MARCH · AFTERNOON 2 00PM-5 30PM

7. Water Champion Cities: Getting ready for urban challenges

Date: Sunday 20 March

Time: 2:00pm – 5:30pm

Venue: Room 1.61

Session Convenors: World Water Council (WWC) and the co-organisers of the 6th World Water Forum

Session Description:

The concept of ‘Water Champion Cities’ emerged from the 5th World Water Forum (Istanbul –Turkey, March 2009) to refer to 18 cities¹ which act as drivers of the implementation of the Istanbul Water Consensus (IWC). The IWC, a major output of the 5th Forum, is a global compact signed by Local and Regional Authorities willing to adapt their water infrastructure and services to the emerging challenges they are increasingly facing, such as climate change, rapid urban growth or pollution of water resources.

¹ Baguio, Brisbane, Buenos Aires, Bukoba, Durban, Entebbe, Incheon, Istanbul, Kampala, Kisumu, Léon, Lyon, Marseilles, Muleba, Paris, Rotterdam, Vienna and Zaragoza

Local and Regional Authorities having signed the IWC agreed to develop action plans on specific challenges and set milestones and targets against which they will report back at the 6th World Water Forum (Marseilles – France, March 2012). The 6th World Water Forum's ambition is to be the Forum of solutions and commitments.

More than 650 global cities have now signed up to the IWC and are committed to the preparation of these action plans. To assist in driving forward this process, 'Water Champion Cities' have been identified and will use their knowledge and networks to foster wider global commitment for the IWC amongst local and regional authorities.

The purpose of this meeting is to highlight actions undertaken by these 'Water Champion Cities' in the face of growing urbanization. More information on the details of the Local and Regional Authorities' process for the 6th World Water Forum and on the way you and cities can be part of this process will be presented during the side event.

Organisers

This side event is organised by the World Water Council in partnership with UN-Habitat, ICLEI and the Secretariat of the 6th World Water Forum.

Objectives

The side event aims to bring together mayors and/or local authorities representatives with organisers of the 6th World Water Forum in order to:

- To raise interest and bring new signatories to the Istanbul Water Consensus
- Outline specific actions undertaken by Water Champion Cities to attain the objectives of the Istanbul Water Consensus
- Identify solutions proposed by Local Authorities in the water and sanitation sector to tackle water challenges related to rapid urbanization
- To brief participating Mayors/Local Authorities and stakeholders about the 6th World Water Forum and its preparatory process
- Discuss how to strengthen the role of Champion cities and how to work together until the 6th World Water Forum

Target audience

Mayors, Representatives of Local and Regional authorities, Association of Local Authorities, Elected officials, Water experts

Programme

Chairperson / Moderator: <i>Ms. Margaret Pageler</i> , ICLEI Executive Committee member - Co-Chair of the 6 th World Water Forum Local and Regional Authorities' process - Governor of the World Water Council		
Time	Event	Speakers
2:00-2:15	Welcome & Opening Speech	<i>Mr. Benedito Braga</i> , President of the International Forum Committee for the 6 th World Water Forum, Vice-President of the World Water Council <i>Mr. Ald Clive Justus</i> , Mayoral Committee Member for Utility Services – City of Cape Town
2:15-2:25	Keynote Speech on Water and Urbanization	<i>Mr. André Dzikus</i> , Chief Water, Sanitation and Infrastructure Branch - United Nations Human Settlements Programme (UN-HABITAT)
2:25-2:35	Presentation of the Istanbul Water Consensus and of Champion Cities	<i>Dr. Céline Dubreuil</i> , Programme Officer – World Water Council
2:35-2:45	Case Study from the State of São Paulo	<i>Ms. Rosa Mancini</i> , Advisor to the Secretary of Environment – State of São Paulo – Brazil
2:45-3:00	Discussion / Debates with participants	
3:00-3:15	Case Studies from Region of Lake Victoria	<i>HW Stephen Kabuye</i> , Mayor of Entebbe - Uganda <i>Mr. Daniel Christopher Kawesi</i> , Secretary General - LVRLAC
3:15-3:30	Discussion / Debates with participants	
3:30-4:00	Tea Break	
4:00-4:10	Case Study from the Greater Paris Interdepartmental Sanitation Authority (SIAAP)	<i>Mr. Daniel Marcovitch</i> , Administrator of SIAAP - France
4:10-4:20	Case Study from City of Incheon	<i>Prof. Choi GyeWoon</i> , Director International Center for Urban Hydroinformatics ICUH - Korea
4:20-4:35	Discussion / Debates with participants	
4:35-4:50	Presentation of the Local Authorities' political process for the 6 th World Water Forum – How to join it	<i>Ms. Margaret Pageler</i> , Co-chair of the 6 th World Water Forum Local and Regional Authorities' process - ICLEI Executive Committee member - Governor of the World Water Council
4:50-5:15	Debate with Panel of local representatives and participants around the following issues: <ul style="list-style-type: none"> <i>How to strengthen the role of Local authorities and Water Champion Cities in the preparation of the 6th World Water Forum?</i> <i>How to identify local “solutions” for water and bring them to the 6th World Water Forum?</i> 	
5:15-5:30	Synthesis & Conclusion	

8. Journalists Training Workshop

Date: 21 and 22 March 2011

Time: 09:00am-05:30pm

Venue: Room 2.41

Session Convenors: UN-Water Decade Programme on Advocacy and Communication (UNW-DPAC), the United Nations Human Settlements Programme (UN-HABITAT)

Event Description:

The two day journalist workshop provides orientation for mainly African journalists to report on “Urban water”, the theme of the World Water Day 2011, and ensures the attendance of media representatives from the African continent on the main WWD2011 event in Cape Town.

With a focus on professional retraining related to research, preparing reportages and investigative journalism on the themes of water governance in the urban context, the workshop is directed towards experienced African journalists from print, radio and TV media who have already reported on the theme “Urban Water”.

With training sessions, a field trip and attendance and reporting on the WWD2011 event the workshop programme will deal with: qualitative research; investigation (how to bridge the gap from idea to reporting); how to identify a story and make it credible; reporting (print and radio mainly), carry out interviews. The field trip as part of the programme will bring the participants to the informal settlements in Cape Town where they will have interviewing possibilities with testimonies.

The attendance of the World Water Day Main Event in Cape Town Start offers to the workshop participants editorial session, Interviews to participants during the day, and wrap-up editorial reporting session

Programme

21 March 2011	First day journalist workshop	Facilitators
9:00 – 10:30	Session Investigative journalism: How to create ideas and find a story	Roel Landingin, Philippines
10:30 – 11:00	coffee break	
11:00 – 12:30	Field trip Slums of Cape Town - Interviews/collecting testimonies	
14:00 – 18:00	Session How to report on what we have investigated on	Mary Ama Kudom - Agyemang, Ghana
22 March 2011	Second day programme WWD-Main Event Attendance	



Photo © UN-HABITAT

MONDAY 21 MARCH - MORNING 9 00AM-12 30PM

9. Water and Urbanisation for the African Water Caucus”

Date: Monday 21 March

Time: 09.00 - 12.30

Venue: Rooms 2.61, 2.62, 2.63, 2.64, 2.65, 2.66

Session Convenors: United Nations Human Settlements Programme (UN-HABITAT); the African Ministers’ Council on Water (AMCOW); the United Nations Environment Programme (UNEP); and WaterAid

Session Description

This session will build on the outcomes of the Water and Urbanisation session, held as part of the 3rd Africa Water Week in Addis Ababa in November 2010, to feed into the African Caucus on 22nd March during the High level segment of WWD 2011. The Addis Ababa outcomes recognized the rapid pace of urbanization in Africa and the challenge to turn the urbanization process to opportunities for enhanced development. A panel discussion on governance for improved urban WATSAN concluded the session.

The outcomes from Addis stressed the pressing need to have sanitation and water as important elements of programmes for slum upgrading as well as processes to reverse the unprecedented proliferation of slums and accelerate sustainable housing and urban development including spatial planning.

Despite the massive progress being made to meet the WATSAN needs of the urban populace in Africa, the daunting challenges of urbanization, undermines efforts to meet the global Millennium Development Goals. The WWD 2011 African Water Caucus event will explore modalities to harness and scale up the positive progress identified during the 3rd Africa Water Week. The session will be preceded by a brief presentation on the State of African Cities in 2010, and will be followed by presentations and discussions with focus on:

- Prioritising reforms for improved governance processes and institutional structures to strengthen collaboration, coherence and co-operation across sectors in programme implementation (taking due cognizance of the role of gender, women and the urban poor)
- Taking advantage of opportunities for effective integration of sanitation and water infrastructure development and services in overall urban development and planning processes.
- Monitoring and reporting data on sector performance – challenges and opportunities for improving sector performance and development
- Exploiting opportunities for improved financial resource mobilization for urban sanitation and water infrastructure and services; and
- Urbanisation, Ecosystems and Water in African Cities (as a prelude to the launch of the joint publication by Tongji University, UNEP, UN-HABITAT and AMCOW on the topic).

The session will make recommendations for consideration by the Africa Caucus Panel on these issues.

Tentative Programme

Rapporteur: Aster Gebremariam, UN-Water/Africa Secretariat, UN Economic Commission for Africa		
Time	Topic	Speaker
9.00-9.40	Chairman's Opening Remarks	<i>Bert Diphooorn</i> , Director, Human Settlements Financing Division, UN-HABITAT
	Brief statement on the Session by AMCOW	AMCOW Executive Secretary or TAC Chair
	Statement on the State of African Cities 2010	<i>Alioune Badiane</i> , Director, Regional Office for Africa and Arab States, UN-HABITAT
	Comments on State of African Cities, the urbanization challenge and water	<i>Dr. Joan Clos</i> , Under Secretary General and Executive Director of UN-HABITAT
9.40-9.55	Challenges in reforms for improved urban WATSAN governance and institutional structures for achieving the MDGs and beyond	Piers Cross
9.55-10.10	Quick wins to meet the MDGs and beyond – Harnessing opportunities for integration of urban WATSAN infrastructure and services in urban development and planning processes	<i>Graham Alabaster</i> , Chief, WATSAN Section 1, Water, Sanitation and Infrastructure Branch, UN-HABITAT.
10.10-10.30	<i>Comments and Discussions</i>	
10.30-11.00	Tea/Coffee Break	
11.00-11.20	Monitoring and reporting data on sector performance – challenges and opportunities for improving performance and development	<i>Timeyin Uwejamomere</i> , Senior Policy Analyst – Urban, WaterAid
11.20-11.40	Exploiting opportunities for improved financial resource mobilization for urban WATSAN infrastructure and services	<i>Sering Jallow</i> , Manager, Water & Sanitation Division for North, East & Southern Africa, African Development Bank
11.40-12.00	<i>Comments and Discussions</i>	
12.00-12.20	Presentation on: An Ecosystems Approach to Water Resources Management for African Cities	UNEP/Grid Arendal <i>tb</i>
12.20-12.30	<i>Conclusions and Recommendations</i>	



Photo © Japan Water Forum

10. Water and Disaster

Date: Monday 21 March

Time: 09:00-12:30

Venue: Rooms 2.44, 2.45 and 2.46

Session Convenors: High-Level Experts Panel on Water and Disaster (HLEP/UNSGAB), UNSGAB, ISDR, WWC, Korea Water Forum, Japan Water Forum and UN-Habitat

Session Description

The year 2011 has just started with tragedies on floods and debris flows in Australia, Brazil, Germany, South Africa and Sri Lanka and unprecedented devastating tsunami in Japan. The Last year 2010 also brought more than thousand victims caused by floods due to torrential rainfalls especially in China and Pakistan. It is likely that water-related disasters have been dramatically intensified recently. It has been observed that water-related disasters were unevenly distributed especially to the Asia-Pacific region, but that they are likely to happen anywhere around the world less experiences on water-related disasters has been had, for example, in Middle-East and Europe. However, the disasters have not been well prepared and dealt with not only in the countries that faced the disaster but also in the international community.

Reducing risk and vulnerability is an essential goal to be pursued given the rapid increase in disasters. Reducing risk and continuous efforts for preventive measures need to be recommended for all development projects, including Poverty Reduction Strategy Papers and MDGs. Disaster risk reduction (DRR) is an essential requirement for breaking the vicious circle of poverty and disasters. DRR is also an essential component of green growth initiatives, which aims at facilitating sustainable development. Reducing and managing water-related risks should be included as a separate goal or a component of a related MDG for the next period after 2015. This can be done based on the recent MDGs Summit agreement that recognizes DRR as an essential condition for the achievement of the MDGs.

The side event aims to facilitate focused discussion on three issues, namely, recognizing the devastation of water-related disasters, positioning DRR in sustainable development, and financing preventive

measures, which are critical in advancing water and disasters towards achieving MDGs and beyond. It will take snap shots on those key issues and identify the next steps to be taken. It will formulate messages to inspire decision makers and these messages will be disseminated at key events.

Programme

Time	Topic	Speakers
09:00-09:05	Opening	<i>Mr. Hideaki Oda</i> , Co-Moderator, HLEP/UNSGAB, Japan
09:05-09:10	Welcoming Remarks	<i>H.R.H. Prince of Willem-Alexander</i> of the Netherlands, UNSGAB Chair
09:10-09:15	Welcoming Remarks	<i>Mr. Graham Alabaster</i> , Chief, Section 1, Water, Sanitation and Infrastructure Branch, UN-Habitat
09:15-09:40	Keynote Speech on Recent Flood in South Africa	<i>Honorable Ms. Edna Molewa</i> , Minister of Water and Environment Affairs, South Africa President of AMCOW
09:40-10:00	Country Report from Brazil	<i>Prof. Ben Braga</i> , Professor, University of Sao Paulo, Brazil, President, IFC for WWF-6
10:00-10:20	Country Report from Ghana	<i>Mr. Julis Wellens-Mensah</i> , Director, Ministry of Water Resources, Works and Housing, Ghana
10:20-10:40	Country Report from Korea	<i>Dr. Ick Hwan Ko</i> , Director General, International Cooperative Research Institute, K-water, Korea
10:40-11:10	Coffee Break	
11:10-12:25	Panel Discussion	Facilitated by <i>Ms. Margaret Catley-Carlson</i>
11:15-11:35	Introduction of recent major water-related disasters (including floods in China and Pakistan, and tsunami in Japan)	<i>Mr. Satoshi Kondo</i> , Secretariat of Asia Pacific Water Forum, and <i>Mr. Tomoo Inoue</i> , Director, Japan Water Forum (HLEP Secretariat)
11:35-12:25		Panelists: <ul style="list-style-type: none"> • <i>Prof. Ben Braga</i> • <i>Mr. Julis Wellens-Mensah</i> • <i>Dr. Ick Hwan Ko</i> • <i>Mr. Simon Thuo</i>, GWP Regional Coordinator for Eastern Africa, and • <i>Mr. Yoshiaki Nanami</i>, Director, Ministry of Land, Infrastructure, Transport and Tourism, Japan
12:25-12:30	Closing	<i>Mr. Loic Fauchon</i> , President, World Water Council

11. Workshop on International Water Quality Standards/ Guidelines for Ecosystems

Date: 21/03/2011

Time: 09.00 – 12.30

Venue: Room 2.45

Session Convenors: UNEP for UN-Water Thematic Priority Area on Water Quality

Session Description

A scoping study on water quality standards/guidelines for ecosystems is being undertaken under the guidance of the recently established UN-Water Thematic Priority Area (TPA) on Water Quality. The study will provide a basis for the development of international water quality standards/guidelines for ecosystems identified as one of the core activities of the TPA. The study will collect and assess existing water quality standards/guidelines for the environment as well as ongoing and planned initiatives to develop such standards/guidelines at different level i.e. international, regional and national. It will determine how well they meet the needs for monitoring and managing water quality for the environment, identify gaps and weaknesses and discuss how well these standards/guidelines are supported by legislation and policies for enforcement on the ground. Based on the analysis, conclusions will be drawn and recommendations developed on how to develop such international standards/guidelines for ecosystems building on ongoing efforts and addressing existing gaps and challenges.

The workshop will provide a platform to present and discuss the background, scope, process and expectations of the scoping study to a wider audience and to seek contributions from institutions and individual experts to guide this important undertaking.

The objective of the workshop is to present the ongoing activity of UN-Water and UNEP to develop international water quality standards/guidelines on ecosystems and at the same time stimulate discussions among the workshop participants in order to get their inputs to the development of these standards/guidelines. Through guided discussions, the workshop seeks the active contribution of participants to the process as they discuss and agree on a conceptual approach to the development of the standards/guidelines, the scope of the standards/guidelines, as well as the process to develop the standards/guidelines.

Programme

Chair: Tim Kasten, Deputy Director DEPI, UNEP; Vice Chair, UN-Water Facilitators: Tim Kasten, Deputy Director DEPI, UNEP; Vice Chair, UN-Water / Dr. Paul Yillia, IWAG-TU Rapporteurs: Razi Latif, UNEP / Renate Fleiner, UNEP		
Time	Topic	Speakers
09.00 – 09.10	Welcoming remarks and background to UN-Water TPA on Water Quality	Tim Kasten, Deputy Director DEPI, UNEP; Vice Chair, UN-Water
09.10 – 09.20	Water quality monitoring and data, indicators and standards	Norberto Fernandez, Coordinator, UNEP GEMS Water
09.20 – 09.30	The need for international water quality standards/guidelines for ecosystems	Sarantuyaa Zandaryaa, UNESCO
09.30 – 09.50	Presentation of the inception report and initial findings of the scoping study	Dr. Paul Yillia, IWAG-TU
09.50 – 10.30	Conceptual approach to structure global water quality standards/guidelines for ecosystems	Workshop participants
10.30 – 11.00	Tea break	
11.00 – 11.45	Scope of the international water quality standards/guidelines for ecosystems	Workshop participants
11.45 – 12.15	Roadmap for developing international water quality standards/guidelines for ecosystems	Workshop participants
12.15 – 12.30	Wrap-up and closing	Tim Kasten, Deputy Director DEPI, UNEP; Vice Chair, UN-Water

12. Panel discussion on water in southern Africa

Date: Monday 21st March

Time: 9:00 - 12:30

Venue: Rooms 1.44

Session Convenor: Council for Scientific and Industrial Research (CSIR)

Session Description:

South Africa is an arid country with an average rainfall of 450 mm per year, far below the global average of 860 mm per year. In order to meet the growing demand for socio-economic development, surface water resources are well developed and supply the majority of the urban, industrial and irrigation needs – in 2005 more than 95% of the country's freshwater resources had already been allocated.



Photo © CSIR

However, currently the sustainability of these resources is threatened by pollution and poor water quality. Without a radical improvement in water quality management approaches and treatment technologies, progressive worsening of water quality will continue to decrease the benefits and increase the costs associated with the use of South Africa's water resources. This has the potential to pose great social, economic and environmental risks for the country as a whole and cannot be allowed to happen.

In this panel discussion, researchers from several institutions will unpack the challenges facing the water sector in Southern Africa, with key recommendations on how best to tackle these. The discussion will take its lead from the release of a compact but comprehensive overview of water-related issues in South Africa, *A CSIR Perspective on Water in South Africa – 2010*, combining expert opinions on water-related issues into a single publication.

Programme

Time	Topic	Speakers
9:00 – 09:15	Welcome	<i>Dr Jimmy Adegoke</i> , executive director, CSIR Natural Resources and the Environment
09:15 – 09:45	Key note address	<i>Mbangiseni Nephumbada</i> , acting director-general: policy and regulation, Department of Water Affairs, South Africa (TBC)
09:45 – 10:30	Unpacking the report: <i>A CSIR Perspective on water in South Africa – 2010</i> Presentations by CSIR researchers	Dr Kevin Wall, Dr Paul Oberholster, Dr Jeanne Nel, Dr Suzan Oelofse, Christine Colvin
10:30 – 11:00	Tea break and refreshments	
11:00 – 12:30	Responses to the report and open discussion led by Dr Adegoke	<i>Dr Rivka Kfir</i> (executive director, Water Research Commission), Thokozani Boikhutso (Rand Water), Dr Deon Nel (CSIR)



13. Seminar on the Right to Water and Sanitation

Date: Monday 21st March

Time: 9:00 - 12:30

Venue: Rooms 1.61 and 1.62

Session Convenors: Department of Water Affairs, Republic of South Africa (DWA) and the United Nations Human Settlements Programme (UN-HABITAT)

Session Description:

The rights-based approach to water and sanitation is reflected in the General Comment on the Right to Water issued in 2002 by the Committee on Economic, Social and Cultural Rights of the United Nations Economic and Social Council (ECOSOC) and the Guidelines on the Right to Drinking Water and Sanitation adopted by the UN Sub-Commission on the Promotion and Protection of Human Rights in 2006. The UN General Assembly, in its meeting held on 26 July 2010 adopted a resolution calling on States and international organisations to provide financial resources build capacity and transfer technology, particularly to developing countries in scaling up efforts to provide safe, clean, accessible and affordable drinking water and sanitation for all.

Over the last several years, the rights-based approach has continued to gain significant attention amongst governments, international organisations and civil society. It has the potential to significantly enhance the quality of programmes in the water and sanitation sector. The recognition of the right to water, and related human rights, provides an ethical and legal framework for mobilising support for water and sanitation and a set of tools for policy-makers. It focuses attention on the most vulnerable and marginalised communities and their rights to participate in decision-making. It provides a framework for governance and accountability, with its emphasis on legal and administrative structures and the need for monitoring of governments and other actors.

The rights-based approach has been implemented in a number of countries. In South Africa, access to sufficient food and water has been declared as a basic human right and the Water Services Act provides that “everyone has a right to basic water supply and basic sanitation”

This session, which is being held on South Africa’s Human Right Day will provide an opportunity of exploring the experience of the rights-based approach to water and sanitation in South Africa and discussing how the approach can be taken forward in other countries.

Programme

	Draft Agenda	Time	Details
9.00-9.15	Welcome and Overview of Agenda	15 minutes	DWA/UN-HABITAT
9.15-9.45	Clarifying the Right to Water and Sanitation and UN-HABITAT’s work on the Right to water and Sanitation	30minutes including Q&A	<i>Andre Dzikus</i> , UN-HABITAT
9.45 – 10.15	Achieving the Right; The Experience in South Africa	30 minutes including Q&A	DWA
10.15-10.30	Tea/Coffee Break	15minutes	
10.30- 11.00	Perspectives on the Right to Water and Sanitation	30 minutes including Q&A	World Water Council
11.00-11.30	Achieving the Right; The global progress so far.	30 minutes including Q&A	Office of the High Commissioner on Human Rights (South Africa)
11.30-12.00	Using Music to promote the Right	30minutes	<i>Musician Rolf Stahlhofen</i>
12.00-12.30	Concluding Plenary Remarks and Summary	30 Minutes	Moderator



Photo © WBCSD

14. Linking Urban Water and Basin Management amidst changing demands

Date: Monday 21 March

Time: 9:00am – 12:30pm

Venue: Rooms 1.42 and 1.43

Session Convenor: World Business Council for Sustainable Development (WBCSD), AquaFed, International Water Association (IWA) and National Business Initiative (NBI)

Event Description:

Today, more than half of the planet's inhabitants are living in urban areas, with three million people arriving in cities every week. By 2050, more than 70% of the global population will live in cities. The scale of urbanization is unprecedented in human history and the case for action is compelling.. Urban infrastructure requires an integrated approach and a system wide view from the start. This workshop will explore the access to water and water management in the urban context from this system wide perspective and will address such issues as access to sanitation in informal settlements, urban drainage in the context of creating living space, solutions to waste waters as a resource and business opportunity and societal opportunity and how Small and Medium Scale Enterprises can benefit from the opportunities sustainable cities provide

Cities however cannot be seen in isolation from the surrounding industrial/agricultural/ecosystem as they provide for the water, food and energy services cities need to survive. This is particular true for water as upstream water management has a great impact on the availability of urban water. This symbioses between the city and its surrounding environment will also be addressed in the widest context. Areas like using city water for agriculture re-use, water basin optimization like water efficient agriculture and energy generation to free up water for urban use will be explored.

Programme

08:30 – 09:00	Registration
09:00 – 09:05	Welcome Barney Kgope: Programme Manager for Climate Change and Water, National Business Initiative
09:05 – 09:20	Global scene setting of the complexity of the challenges Joppe Cramwinckel: Director of Water WBCSD
09:20 – 09:30	Local context of water issues in South Africa Martin Ginster: Environmental Consultant, Sasol
09:30 – 10:40	Panel and Interactive Session 1 Facilitated by Jack Moss, AquaFed <i>Integrated planning: Frank Stevens, Technical Services:</i> <i>Water and Sanitation: Ethekewini Municipality (Durban)</i> <i>Access to safe water: Marius van Aardt, Managing Director, Silulumanzi</i> <i>Utility reform: Oliver Ive, Managing Director, Amanz' abantu Services (Pty) Ltd</i> <i>Small Medium Enterprise participation: Dr Kevin Wall, CSIR TBC</i>
10:40 – 11:10	Tea break
11:10 – 12:20	Panel and Interactive Session 2 Facilitated by Ger Bergkamp, IWA <i>Ecosystems services: Dr Mark Smith, Director of Global Water Programme, IUCN</i> <i>Agriculture: Dr Peter Johnston, Climatologist, University of Cape Town</i> <i>Water for energy: Nandha Govender, GM for Water and Environment, Eskom</i>
12:20 – 12:30	Closing remarks Joppe Cramwinckel, WBCSD



MONDAY 21 MARCH AFTERNOON 2:00PM-5:30PM

15. Water monitoring, assessment and reporting for informed decision-making, with a focus on Africa

Date: Monday 21 March

Time: 14:00-17:30

Venue: Room 1.41

Session Convenors: United Nations World Water Assessment Programme (WWAP) and UN-Water/ Africa, with the support of AMCOW

Session Description

Decision-making for sustainable development should be based on a sound understanding and knowledge of the state, use and management of the resources involved. Water resources are no exception to this. Hydrologic data is inadequate in both spatial coverage and frequency of observation in Africa. Information and data on the use, management, and investment are also either scarce or sporadic. Monitoring, observation and periodic assessments of water resources are often sidelined by

more pressing needs, and more attention and resources are needed for this essential component in order to reduce uncertainty, better manage risks and inform the decision-making. Without this, the Africa Water Vision 2025 cannot be achieved.

During this session, WWAP and UN-Water/Africa, with the support of AMCOW, will address the data and information challenge and the state of assessment and monitoring at national, regional and global scales. Participants will be offered the early findings of the 4th edition of the UN World Water Development Report (WWDR4) along with its African regional section, which will be unveiled in March 2012 at the 6th World Water Forum in Marseille, France.

WWAP and UN-Water/Africa will also present a Roadmap towards a mechanism for systematic and periodic water assessment in Africa and an Africa Water Development Report (AWDR). A facilitated discussion will take place about implementing the Roadmap and reviving the AWDR process and related African Water Information Clearing House, both of which have been endorsed by AMCOW. Challenges related to the leadership, facilitation and the role of the different parties at national, sub-regional and regional levels, funding and ownership issues will be addressed.

Programme

Time	Topic	Speakers
14:00-14:10	Opening	<i>Mr Bai-Mass Taal, Executive Secretary, AMCOW (tbc)</i>
14:10 -14:15	Introduction to the thematic session, objectives and expected outcomes	<i>Mr Olcay Ünver, Coordinator, United Nations World Water Assessment Programme (WWAP)</i>
14:15-15:30	Part 1: The information and data challenge at global level and in Africa	
14:15-14:30	Introduction and presentation on water challenges in Africa with a focus on assessment and monitoring through the Africa Water Development Report	<i>Mr Stephen Maxwell Donkor, Chairman, UN-Water Africa</i>
14:30-14:45	Topic to be confirmed	<i>Mr Sering Jallow, African Development Bank (tbc)</i>
14:45-15:00	WWAP's ongoing work on water and development indicators: what do we need to know and what are the obstacles?	<i>Mr Mike Muller, WWAP/GWP</i>
15:00-15:20	Q&A with participants	<i>Facilitator: Mr. Tefera Woudeneh (tbc)</i>
15:30-16:00	Coffee Break	
16:00-17:30	Part 2: Towards comprehensive water assessment in Africa	
15:30-15:50	Introduction and presentation on global water assessment and monitoring	<i>Mr Olcay Ünver</i>
15:50-16:10	Roadmap towards an Africa Water Development Report 2012 and a mechanism for periodic water assessment in Africa including resource mobilization to achieve it	<i>Mr Mike Muller, WWAP/Global Water Partnership</i>
16:10-17:10	Facilitated working session on the set up of a mechanism for periodic water assessment in Africa	<i>Facilitator: Mr Tefera Woudeneh (tbc)</i>
17:10-17:20	Wrap up	<i>Rapporteurs:</i> <ul style="list-style-type: none"> • Ms Stefanie Neno, Networking Officer, WWAP • Ms Aster Gebremariam, UN-Water/Africa
17:20-17:30	Closing remarks	<i>Mr Mike Muller</i>

16. Title of session: Workshop on UN-Water Mapping Exercise on Water Quality

Date: 21/03/2011

Time: 14.00 - 17.30

Venue: Room 2.45

Session Convenors: UNEP for UN-Water Thematic Priority Area on Water Quality

Session Description

With the recent establishment of the UN-Water Thematic Priority Area (TPA) on Water Quality – that aims at enhancing interagency collaboration and coordination in water quality as well as supporting Governments and other stakeholders to address water quality challenges – there is a need to establish an overview of who within UN-Water is doing what in water quality. It is also important to identify gaps and get recommendations on how to address them while strengthening collaboration and coordination in this thematic area. For this purpose a mapping exercise is being undertaken.

The workshop will provide an opportunity to identify what stakeholders and the wider public expect from such a mapping exercise in terms of focus and what they need. Initial results of the mapping exercise will be presented which will be followed by a discussion between stakeholders and the wider public on their expectations from such a mapping exercise. The discussion should also identify potential working areas for the TPA.

The objective of the workshop is to inform a broader audience about the TPA and the ongoing mapping exercise on water quality activities of UN-Water members and partners and at the same time stimulate discussions among the workshop participants in order to get their inputs on the TPA as well as on the mapping exercise. Through guided discussions, the workshop aims at getting inputs on the participants' expectations from the ongoing mapping exercise in terms of outputs and added value, as well as their inputs in terms of what thematic areas and activities the TPA can contribute to.

Programme

Chair: Tim Kasten, Deputy Director DEPI, UNEP; Vice Chair, UN-Water

Facilitators: Falk Schmidt, Senior Consultant, UNW-DPC / Frederik Pischke, UN-Water

Rapporteurs: Norberto Fernandez, UNEP / Renate Fleiner, UNEP

Time	Topic	Speakers
14.00 – 14.05	Welcoming remarks	Tim Kasten, Deputy Director DEPI, UNEP; Vice Chair, UN-Water
14.05 – 14.15	Background to UN-Water TPA on Water Quality and the mapping exercise	Tim Kasten, Deputy Director DEPI, UNEP; Vice Chair, UN-Water
14.15 – 14.45	Presentation of the inception report and initial findings of the mapping exercise	Falk Schmidt, Senior Consultant, UNW-DPC
14.45 – 15.15	Discussion of the inception report and initial findings: 1) What kind of information should the mapping exercise capture/deliver? 2) In what form should the information be presented to the public?	Workshop participants (Discussion facilitated by Falk Schmidt, Senior Consultant, UNW-DPC)
15.15 – 15.30	Presentation of UN-Water mapping exercises and results	Reza Ardakanian, Director, UNW-DPC
15.30 – 16.00	Tea break	
16.00 – 17.00	Discussion of the TPA on Water Quality: 1) What do participants expect from the TPA? Which areas should the TPA cover? 2) How can the TPA engage others?	Workshop participants (Discussion facilitated by Frederik Pischke, UN-Water)
17.00 – 17.30	Wrap-up and way forward	Tim Kasten, Deputy Director DEPI, UNEP; Vice Chair, UN-Water



Photo © Robert Bos, WHO, Geneva, 2006

17. Seminar on Sustainable Urban Wastewater Management in Coastal Cities

Date: Monday 21 March

Time: 14:00 - 16:40

Venue: Room 2.43

Session Convenors: UNEP's Coordination Office for the Global Programme of Action for the Protection of the Marine Environment from Land Based Activities (GPA)

Session Description

The aims of the seminar are:

- To communicate the objectives and activities of the UN Water Task Force on Wastewater Management and to keep the work of the UN Task Force visible and high on the international agenda;
- To publicise solutions developed to improve urban wastewater management in coastal towns and cities;
- To help publicise national and local projects on the seminar's theme and promote the use of natural ecosystems for managing wastewater.

The session will involve an opening from Razi Latif from UNEP's GPA Coordination Office following which four guest speakers (two international and two African guest speakers) will each make 10

minute presentations, each followed by a 10 minute question and answer sessions. The question and answer sessions will be moderated by Razi Latif. At the end of the presentations there will be approximately 40 minutes for plenary debate which will be chaired by a representative from the Government of South Africa (to be confirmed).

Programme

Time	Topic	Speakers
14:00	Opening & Welcome to the Seminar	<i>Mr Razi Latif</i> , Programme Officer, UNEP for the Global Programme of Action for the Protection of the Marine Environment from Land Based Activities Razi.Latif@unep.org
14:05 - 14:30	Presentation on the UN's Sick Water Report	<i>Graham Alabaster</i> Chief, Water, Sanitation and Infrastructure Branch, UN HABITAT Graham.Alabaster@unhabitat.org
14:30 - 15:00	Challenges and Opportunity in sustainable urban wastewater management in coastal cities	<i>Darren Saywell</i> Regional Group and Programmes Director International Water Association Darren.Saywell@iwahq.org
15:00 - 15:20	Tea/Coffee break	
15:20 - 15:50	ECOSAN Project: Options for coastal communities in Rivers State, Nigeria	<i>Iyenemi Ibimina Kakulu</i> Head, Estate Management Department, Rivers State University, Nigeria ibkakulu@hotmail.com
15:50 - 16:20	The Atlantis wastewater treatment and re-use project, Western Cape	<i>Peter King</i> Water & Sanitation Department City of Cape Town Peter.King@capetown.gov.za
16:20 - 16:40	Plenary discussion	Chair, Government of South Africa (tbc)

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18. Non Revenue Water Reduction: an African Perspective

Date: Monday 21 March

Time: 2:00pm-3:30pm

Venue: Room 1.44

Session Convenors: United Nations Human Settlements Programme (UN-HABITAT); UN-Water Decade Programme on Capacity Development (UNW-DPC); The African Development Bank (AfDB)

Session Description

Non revenue water is a widespread issue which has significant financial and environmental repercussions. However, awareness regarding the scope of the problem and available solutions is lacking. To address this need, the UN-Water Decade Programme on Capacity Development (UNW-DPC) in partnership with UN-HABITAT, organized an International Workshop on “Drinking Water Loss Reduction: Developing Capacity for Applying Solutions” on 3-5 September 2008 in Bonn, Germany. As a follow-up of the recommendations of this workshop and in order to address the issue of water loss reduction at the regional level, UNW-DPC organized in cooperation with UN-HABITAT (the Global Water Operators’ Partnerships Alliance) three regional workshops on capacity development for improving water efficiency: “Water Loss Reduction in Water & Sanitation Utilities” with the objective of developing capacities to better equip decision makers to address the problems of drinking water loss. The regional workshops have been organised between November 2009 – January 2010 in Mexico for Latin American Countries, in Bulgaria for South East European Countries, and in Morocco for Arab Countries.

The workshops brought together water managers and decision makers from the region to share their experiences regarding technical, political and administrative solutions for this issue. They discussed the most promising approaches, especially highlighting the need for institutional capacity development and the establishment of cooperation in order to apply the best available technical and managerial solutions. The workshops also collected information on case studies to make decision makers and water managers more knowledgeable on the issue of water loss reduction. The workshops further developed the abilities of countries to identify the problem of water loss and to find the most effective solution.

UNW-DPC together with UN-HABITAT and the African Development Bank will use the opportunity of the World Water Day to bring together experts from various stakeholders involved in non revenue water reduction, especially operators and operational staff from the African Region, during the session entitled “Capacity Building for Non Revenue Water Reduction: an African perspective”. This session will also present the results, lessons learned and recommendations from the four previous workshops. The objective of the session is to bring together practitioners and experts to exchange on their respective know-how and expertise, as well as to show-cases some champion utilities’ good practices from the continent.

Programme

Time	Topic	Speaker
14:00 – 14:10	Welcome address	<i>Dr. Reza Ardakanian</i> , Director, UN-Water Decade Programme on Capacity Development, (UNW-DPC)
14.10 - 14.15	Water Operators' Partnerships and NRW	<i>Dr. Faraj El-Awar</i> , Programme Manager, GWOPA/UN-HABITAT
14.15-14.20	AfDB and Non Revenue Water	<i>Mr. A. Kies</i> , Director, water and Sanitation Dept., AfDB
	Presentations	
14.20 - 14.35	Capacity Development for Water Loss Reduction	<i>Dr. Hani Sewilam</i> , Programme Officer, UN-Water Decade Programme on Capacity Development, (UNW-DPC)
	Case-studies of major African water operators	
14.35 - 14.50	Non Revenue Water reduction: case-study of a major water urban utility, FIPAG	<i>Mr. Nestor Beete</i> , Executive Chairman, FIPAG, Mozambique
14.50 - 15.05	How to use GIS technology innovation for Non Revenue Water Reduction: Zwaziland Water Services Corporation	tbc
15.05 - 15.25	Q&A	
15.25-15.45	Coffee Break	
15.45 - 16.00	Economic Aspects of Water Loss Reduction for African Countries	<i>Prof. Dr. Rudolph</i> , Coordinator of the UNW-DPC's Working Group on Water Efficiency and a Prof. at the University of Witten/Herdecke, Germany
	Case-studies of small size African operators	
16.00- 16.15	Reducing Non-Revenue Water in Lake Victoria Utilities - Experience from Kisii Town, Kenya	<i>Mr. John Magoba</i> , Managing Director, Gusii Water and Sanitation Company, Kenya
16.15-16.30	How a small size local utility addresses NRW. Empresa Moçambicana de Águas S.A. (EMA S.A.)	<i>Mr. António Madeira Júnior</i> , General Manager, Empresa Moçambicana de Águas S.A. (EMA S.A.)
16.30- 16.45	Q& A	
16.45- 17.20	Panel discussion	<i>Mr. Daniel Adom</i> , CTA, Water for African Cities Phase II UNHABITAT (Water, Sanitation and Infrastructure Branch) <i>Dr. Reza Ardakanian</i> , Director, UN-Water Decade Programme on Capacity Development, (UNW-DPC)
17.20- 17.30	Wrap-up	

19. Groundwater Management in Urban Areas

Date: Monday 21 March

Time: 14:00pm-17:30pm

Venue: Room 2.44 and 2.45

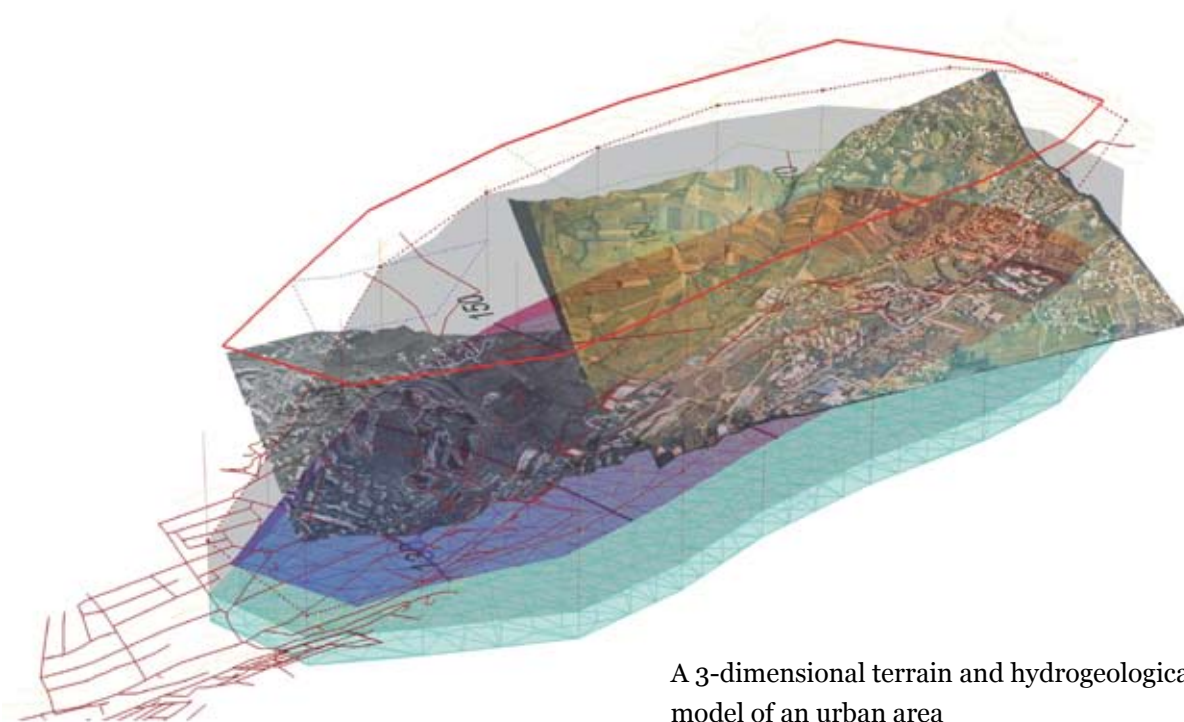
Session Convenors: United Nations Educational, Scientific and Cultural Organization (UNESCO)

Session Description

The session will seek to draw attention to the ‘invisible’ dimension of water management in cities and the vital role that groundwater plays in urban areas, which is frequently ignored.

The session will include a panel and interactive debate on groundwater management in urban areas and will discuss the role of groundwater in the urban water cycle, as an important source of drinking water, and the vulnerability of groundwater resources in urban areas to over-exploitation and pollution. A special focus will be put on the interactions that occur between groundwater and surface water and between groundwater and other components of the urban water system.

The session will also include a demonstration of the “UGROW” software, which is a complete and fully integrated modelling package and a decision-support tool for urban water management, focusing on groundwater and its interaction with key urban water system elements. A CD-ROM carrying a fully functional version of the UGROW software will be available to session participants.



A 3-dimensional terrain and hydrogeological model of an urban area

Programme

Time	Topic	Speakers
14:00-14:10	Opening address	<i>Alberto Tejada-Guibert</i> , UNESCO
14:10-14:30	UNESCO's approach to sustainable urban groundwater management	<i>Sarantuyaa Zandaryaa</i> , UNESCO
14:30-14:50	Challenges in urban groundwater management	<i>Ken Howard</i> , University of Toronto at Scarborough, Canada
14:50-15:10	Urban flooding and groundwater	<i>Cedo Maksimovic</i> , Imperial College of London, UK
15:10-15:30	Q&A: Interactive discussion	
15:30-16:00	<i>Coffee/tea break</i>	
16:00-16:30	Interactions between groundwater and urban water systems: UGROW software demonstration session	Dubravka Pokrajac, University of Aberdeen, UK
16:30-17:15	Panel discussion: Sustainable groundwater management in urban areas	
17:15-17:30	Wrap-up and closing	



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Photo © Mikkel Ostergaard / Pano

20. On the Road to Rio+20: Managing water under uncertainty and risk

Date: Monday 21 March

Time: 9:00-12:30

Venue: Room 1.41

Session Convenors: United Nations World Water Assessment Programme (WWAP) and UNSGAB

Session Description:

Demographics, economic development, climate change, changes in consumption patterns, land use and other drivers of development have significantly accelerated over the past few years. New uncertainties and risks have emerged adding to those that have already increased at an unprecedented pace.

Sustainable development in social, economic and environmental terms depends today more than ever on a sound understanding of the risks and uncertainties in the various components and processes

involved and on how best to manage them.

Water system planners and managers often deal with risk and uncertainty. The better they understand them the more effectively they can perform their planning, design and management tasks and inform those that make the decisions in other domains and sectors.

The 4th edition of the United Nations World Water Development Report (WWDR4), a joint effort by the members and partners who make up UN-Water, will be launched at the 6th World Water Forum in Marseille, France, in March 2012. Management of water under uncertainty and risk is its central theme in addition to the triennial comprehensive assessment of water.

Water management deals with uncertainty related to water supplies, variability and the rate of growth in water demand. In addition, risks related to water scarcity, quality degradation, loss of ecosystem services and extreme events coupled with uncertainties in economic processes, the environment in which investments take place, social change and politics make proper water management more complicated. The lack of accurate information and data also increases uncertainty while the lack of indicators makes it difficult to monitor progress towards agreed targets.

During this session jointly organized by WWAP and UNSGAB, water management under conditions of uncertainty and risk will be addressed through different perspectives - including water for urban settlements, valuation, pollution and disasters and the need for accurate information - with proper links to sustainable development.

Programme

Time	Topic	Speakers
9:00-9:05	Opening and introduction	<i>Mr. Olcay Ünver, Coordinator, the United Nations World Water Assessment Programme (WWAP)</i>
9:05-10:30 Part 1: water and on-going global political processes		
Chair: Mr. Alberto Tejada-Guibert		
9:05-9:25	Introduction and presentation of the early findings of WWDR4 on managing water under uncertainty and risks and implications for on-going global processes	<i>Mr. Olcay Ünver, Coordinator, WWAP</i> and <i>Mr. Felix Dodds, Executive Director, Stakeholder Forum (tbc)</i>
9:25-9:45	UNSGAB's perspective to sustainable development, MDGs and water	<i>Ms Margaret Catley Carlson, UNSGAB</i>
9:50-10:05	Informing policy and decision makers: What is being done to fill the gaps in water information, what more needs to be done and who can be mobilised to help?	<i>Mr. Mike Muller, WWAP/GWP</i>
10:05-10:25	Q&A with the participants	<i>Facilitated by Mr. Alberto Tejada-Guibert</i>
10:25-10:30	Wrap-up and closing remarks, Part 1	
10:30-11:00 Coffee Break		
11:00-12:30 Part 2: Understanding uncertainty and risk to better manage water resources		
Chair: Mr. Mike Muller		
11:00-11:10	Introduction	<i>Mr. Mike Muller, WWAP/GWP</i>
11:10-11:25	Water for sustainable urban settlements	<i>Mr. Andre Dzikus, UN-Habitat</i>
11:25-11:40	Topic to be confirmed	<i>CONAGUA (tbc)</i>
11:40-11:55	Water allocation under uncertainty and risks	<i>Mr. Alberto Tejada-Guibert, UNESCO</i>
11:55-12:15	Q&A with the participants	<i>Facilitated by Mr. Mike Muller</i>
12:15-12:30	Wrap-up and closing remarks	

22. Transforming Water Utilities into Sustainable Business Enterprises

Date: Monday March 21, 2011

Time: 14:00 – 15:30

Venue: Cape Town International Convention Centre, Room 1.42

Session Convenors: Sustainable Water and Sanitation in Africa (SUWASA)

Session Description

One of the critical obstacles to achieving increased access to water and sanitation services in urban Africa remains the failure by utilities to operate efficiently and sustainably. Inefficiencies, poor financial and managerial practices, and corruption have driven many utilities to be functionally bankrupt; leaving consumers dissatisfied with little motivation to pay for the poor service they receive.

Several approaches have been applied by governments and development partners in trying to improve the performance of these utilities – with limited success. Meanwhile, successful operators have neither the capacity nor the mandate to replicate their achievements across Africa—despite the enormous need.

SUWASA, a USAID funded regional program will share its innovative approaches focused on catalyzing change in the delivery of urban water and sanitation services. SUWASA seeks to foster a transformation in the way that governments, businesses, and civil society in the region address water and sanitation services. The approach is based on principles more often associated with private sector enterprises, such as accountability and performance incentives, to achieve long-term sustainability in the provision of WSS, especially to the poor.



Programme

Time	Topic	Speakers
14:00 – 14:20	Sustainable Water and Sanitation in Africa, an introduction, policy objectives and illustrative activities of SUWASA	Stefan Kauder, Chief of Party, SUWASA
14:20 – 14:40	The water and sanitation sector in Ethiopia, specifically, Hawassa Town – challenges and opportunities facing the towns utility	Letta Yetamo, General Manager, Hawassa Town Water Supply and Sewerage Service Enterprise
14:40 – 15:00	Strategies for introducing efficient and innovative water supply and sanitation in Hawassa Town, Ethiopia	Dennis Mwanza, Deputy Chief of Party, SUWASA
15:00 – 15:15	The WOP approach in Bauchi, Nigeria and South Sudan	Dennis Mwanza, Deputy Chief of Party, SUWASA
15:15 – 15:30	Questions, discussion and summary.	Open session

23. Water and Climate Change: The Road to COP 17

Date: Monday 21 March

Time: 2:00pm – 5.30pm

Venue: Rooms 1.61, 1.62, 1.63 and 1.64

Session Convenor: The World Bank

Event Description:

The need for the sustainable management of water resources has acquired a new urgency in the face of a growing population, economic development spurring demand for more food security and energy resources, and increasing hydrological variability and extreme events caused by climate change. As climate change and development converge, water will turn from a local problem to a global issue. Water's centrality to climate change and to the core development agenda has not yet entered into political and development forums, and sectors such as agriculture and energy rarely integrate water policies and climate change into planning. In addition, water has not been adequately addressed in development agendas on green growth, energy and food security.





Photo © UN-HABITAT

On March 21, the World Bank on behalf of the Global Water Adaptation Action Alliance will organize an event on Water and Climate Change to draw attention to the issue and raise awareness of the cost of failing to place water adequately in the climate change debate. It will bring together government officials from client countries, World Bank senior management, as well as senior representatives of partner agencies, non-governmental organizations, and the private sector. The event will be comprised of two sub-sessions focusing on the role of the private sector and building a road map for water for the upcoming COP 17 in Durban.

Programme:

The event will be comprised of two sessions focusing on two different sub-areas within the broader water and adaptation theme:

- The first session will bring together senior World Bank representatives (Sector Managers and/or Directors) and CEO's from private corporations (such as ESKOM, Nestle, Nedbank, and Sasol) who will discuss key messages on adaptation and the potential of strengthening the collaboration between the private and public sectors in helping countries respond to their climate change challenges. Examples of successful public-private collaboration will be shared with the audience who will have an opportunity to engage in dialogue with the panelists through a Q&A session at the end of the event. The session will have a 'talk-show' format that allows for a dynamic and lively discussion among panelists and the audience. A seasoned facilitator will moderate the session.
- The second session will bring together Ministers to discuss and draft a roadmap for positioning water at the core of the climate change dialogue in the upcoming COP 17 in Durban. As COP 17 will focus on Africa and its efforts to mitigate and adapt to climate change, this session will bring together Ministers from African Countries (AMCOW) to discuss the readiness of the continent to manage water resources within a changing climate and to outline an action plan for water running up to COP17. The session will be chaired by South Africa's Minister of Water and will likely connect with the African Negotiators meeting scheduled to take place in Malawi the same day. Water and Climate Coalition and the Cooperative Program on Water and Climate Change will be main partners in organizing the session.
- Both sessions will be moderated by Rene Carayol, a seasoned facilitator and media personality, to ensure a fruitful and lively discussion.

24. Title of session: Capacity Building on Ecosystem Approaches to Water Resources Management for Urban Areas in Africa

Date: 21/03/2011

Time: 18.00 – 20.00

Venue: Room 2.46

Session Convenors: UNEP / UN-Habitat / Tongji University

Session Description

Several case studies in the forthcoming publication “An Ecosystem Approach to Water Resources management in African Cities” have pointed out the fact that the majority of African cities derive their bulk water supply from watersheds outside urban boundaries and increasingly from groundwater. The water demand in a number of African cities outstrips water supply and the gap is widening due to population growth, diminishing water supplies due to impairment of ecosystems, inefficient use of available water resources and climatic shocks. The case studies show that there is limited knowledge on the impacts of urban areas on ecosystems. At the same time local authorities and water service providers appear to focus more on water supply and sanitation to city populations than on broader water resources management.

An initiative involving UNEP, Tongji University, UN-HABITAT, the Global Universities Partnership on Environment and Sustainability (GUPES), local authorities, water service providers and water resources management institutions in Africa, aims at addressing this increasing challenge through targeted capacity building. The proposed capacity building programme aims at enhancing the engagement of African cities in a broader water resources management that considers the ecosystems that cities depend on for their water, not only to meet the urban centres’ water demand and to reach the Millennium Development Goals, but also to secure the water resources for urban centres in the long term.

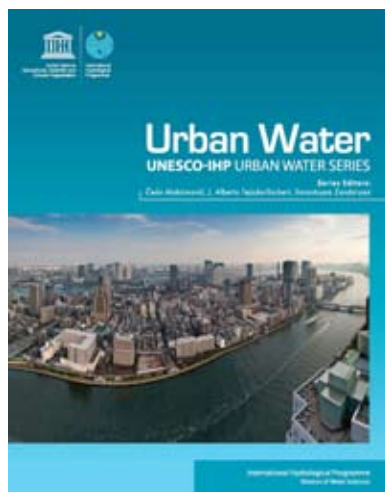
The side event aims at bringing together key stakeholders in water resources management for urban areas to agree on the needs for capacity building on a broader water resources management for urban stakeholders, as well as to discuss and agree on a capacity building programme to address these needs. The workshop participants shall agree on the programme’s objective, main activities, and expected impacts and results.

Programme

Chair: Renate Fleiner, UNEP Facilitators: Daniel Adom, UN-Habitat; Prof. David Mungai, University of Nairobi Rapporteurs: Razi Latif, UNEP; Pireh Otieno, UN-Habitat		
Time	Topic	Speakers
18.00 – 18.15	Welcoming remarks and background to the capacity building initiative by UNEP, UN-Habitat, Tongji University	Renate Fleiner, UNEP; Daniel Adom, UN-Habitat; Prof. Wang Hongtao, Tongji University
18.15 – 18.30	Presentation of the outline of the proposed capacity building initiative	Prof. David Mungai, University of Nairobi
18.30 – 19.45	Plenary discussion on key elements of the proposed capacity building initiative: a) Discuss and agree on identified water resources management capacity gaps in different African cities and on the target audience of the capacity building initiative. b) Discuss and agree on the main components (e.g. training, research, science-policy dialogue, technology, pilot activities) and activities of the capacity building initiative to address the gaps. c) Discuss and agree on the way forward.	Workshop participants
19.45 – 20.00	Wrap-up and closing remarks	Renate Fleiner, UNEP

BOOK LAUNCHES

1. Launch of UNESCO-IHP Urban Water Series



Date: Sunday 20 March

Time: 12:30pm – 2.00pm

Venue: Fair

Session Convenors: United Nations Educational, Scientific and Cultural Organization (UNESCO)

Session Description:

UNESCO's International Hydrological Programme (IHP) will present the UNESCO-IHP Urban Water Series, with the participation of series editors and book authors.

The UNESCO-IHP Urban Water Series, co-published by UNESCO and Taylor & Francis, comprises over 10 books on urban water management, addressing fundamental issues related to the role of water in cities and the effects of urbanization on the hydrological cycle and water resources. Focusing on integrated approaches to sustainable urban water management, the series provides valuable scientific and practical information for urban water practitioners, policy-makers and educators throughout the world.

The following books have been published in the Series, and more books are forthcoming:

- Urban Water Cycle Processes and Interactions
- Data Requirements for Integrated Urban Water Management
- Aquatic Habitats in Sustainable Urban Water Management: Science, Policy and Practice
- Urban Water Security: Managing Risks
- Integrated Urban Water Management: Arid and Semi-Arid Regions
- Integrated Urban Water Management: Humid Tropics
- Advanced Simulation and Modeling for Urban Groundwater Management – UGROW

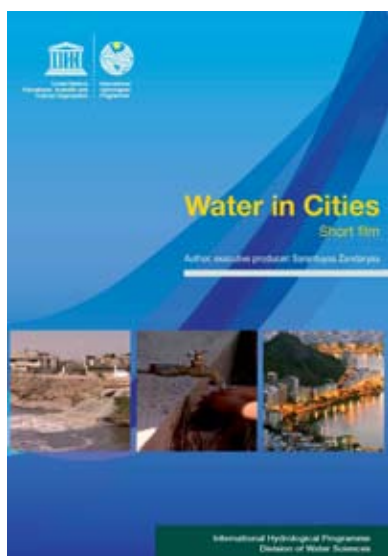
The panel, comprising the series editors and book authors/editors, will give in-depth perspectives of integrated urban water management and

will discuss strategies and approaches to sustainable water resources management in urban areas.

The event will include a special presentation of the series' newly-published book "Advanced Simulation and Modeling for Urban Groundwater Management - UGROW".

The event will also feature the presentation of the following initiatives:

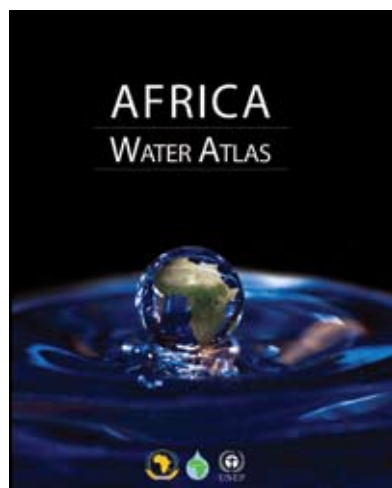
- **UNESCO short film "Water in Cities"**, produced by the UNESCO's International Hydrological Programme, aims to illustrate present and future challenges in urban water management, highlighting water problems facing cities around the world. As water has become an increasingly crucial issue facing many cities around the world today, film is designed to promote sustainable and innovative approaches that UNESCO is pursuing to help countries address water problems in fast-growing cities and to assist cities to develop strategies for sustainable urban water management.
- **The Global Water Experiment: Water – A Chemical Solution**, an initiative within the framework of the International Year of Chemistry, co-led by the International Union of Pure and Applied Chemistry (IUPAC) and UNESCO.



Programme:

Moderator: Johan Kuylenstierna, Centre Director and Deputy Director Operations, Stockholm Environment Institute, Sweden		
Time	Topic	Speakers
12:30-12:40	Opening address	Alberto Tejada-Guibert, UNESCO
12:40-13:00	Presentation of the UNESCO-IHP Urban Water Series	Series Editors: <ul style="list-style-type: none"> • Cedo Maksimovic, Imperial College of London, UK • Alberto Tejada-Guibert, UNESCO • Sarantuyaa Zandaryaa, UNESCO
13:00-13:10	Presentation of the book "Advanced Simulation and Modeling for Urban Groundwater Management - UGROW"	Book Editors: <ul style="list-style-type: none"> • Ken Howard, University of Toronto at Scarborough, Canada • Dubravka Pokrajac, University of Aberdeen, UK
13:10-13:40	<i>Panel discussion:</i> Integrated Urban Water Management	Panelists: <ul style="list-style-type: none"> • Cedo Maksimovic, Imperial College of London, UK • Alberto Tejada-Guibert, UNESCO • Sarantuyaa Zandaryaa, UNESCO • Ken Howard, University of Toronto at Scarborough, Canada • Dubravka Pokrajac, University of Aberdeen, UK
13:40-13:45	UNESCO short film "Water in Cities"	• Film projection
13:45-14:00	The Global Water Experiment: Water – A Chemical Solution	• Film projection • Rovani Sigamoney, UNESCO

2. Launch of African Water Atlas



Date: Sunday 20 March

Time: 12.30pm - 2.00pm

Venue: Fair

Session Convenors: Charles Sebukeera (UNEP) and Sives Govender (EIS-Africa)

Session Description:

This session will be used to launch the Africa Water Atlas launched by UNEP.

The Atlas tells the paradoxical story of a continent with adequate renewable water resources, but unequal access because water is either abundant or scarce depending on the season or the place. Water is the most crucial element in ensuring livelihoods since more than 40 percent of Africa's population lives in arid, semi-arid and dry sub-humid areas and about 60 percent live in rural areas and depend on farming for their livelihoods. This particular story is complemented by the encouraging revelation that although rain-fed agriculture is widely constrained, there are also many dry areas where long-practiced and new water-harvesting strategies can be expanded.

The Atlas also tells stories for each of 53 countries, highlighting the salient water issues each faces and tallying the progress they have made towards the Millennium Development Goals' water-related targets. They underscore the still highly inadequate access to potable water and proper sanitation in most countries. These stories are also complemented by useful information about novel strategies and tools that could help to overcome obstacles (from physical, to technical and political) to achieving these targets.

This Atlas is a visual account of Africa's endowment and use of water resources, revealed through 224 maps and 104 satellite images as well as some 500 graphics and hundreds of compelling photos. However the Atlas is more than a collection of static maps and images accompanied by informative facts and figures: its visual elements vividly illustrate a succinct narrative describing and analyzing Africa's water issues and exemplifying them through the judicious use of case studies. It gathers information about water in Africa and its role in the economy and development, health, food security, transboundary cooperation, capacity building and environmental change into one comprehensive and accessible volume. UNEP undertook the production of this Atlas at the request of the African Ministers' Council on Water (AMCOW) and in cooperation with the African Union, European Union, US Department of State, United States Geological Survey and other collaborators.

Programme

Time	Topic	Speakers
	Launch of Africa Water Atlas and video demonstration	Charles Sebukeera
	Media briefing	Charles Sebukeera and Sives Govender

2. Launch of the joint publication by Tongji University, UNEP, AMCOW and UN-HABITAT

Green Hill, Blue Cities: An Ecosystems Approach to Water Resources Management for African Cities



Date: Monday 21 March

Time: 12:30pm-2:00pm

Venue: Fair

Abstract

The publication discusses the state and trends of urbanisation in Africa, focusing primarily on the urban demands for and impacts on water resources. In noting that the rate of urbanisation in the region has since outstripped service provision with the gap between supply and demand for improved water and sanitation widening, the report observes that engineering solutions alone are not enough, and suggests a holistic approach in which the role of ecosystems services is fully integrated into urban planning.

Backed with solid data, but still easy to digest, the report, among other notable observations, notes that Africa's urban population doubled from 205 million in 1990 to 400 million in 2010, and is projected to triple to 1.23 billion by 2050. This will happen at a time when the continent will experience major impacts of climate change, particularly on water resources and food security, posing great challenges to growing urban populations who will face extreme events of too much or too little water.

Through a set of case studies, the report acknowledges that urbanisation in Africa has often resulted in the loss of ecosystem services such as natural filtering of rainwater, with impacts on water quality and quantity, human health, and national economies. The report warns that while these ecosystem services are easily degradable, they are irreplaceable with artificial engineering solutions.

The report concludes with a set of policy options and recommendations for a brighter and more sustainable future, where protection, improved management and restoration of ecosystems, often in the green hills and watersheds surrounding cities, can provide cheaper, more efficient and also more flood resilient water supply systems in a fast urbanising Africa.

4. Launch of the UNW-DPC publication on “Capacity Development for Drinking Water Loss Reduction: Challenges and Experiences”

Date: Monday 21 March 2011

Time: 12:30pm – 2.00pm

Venue: Fair

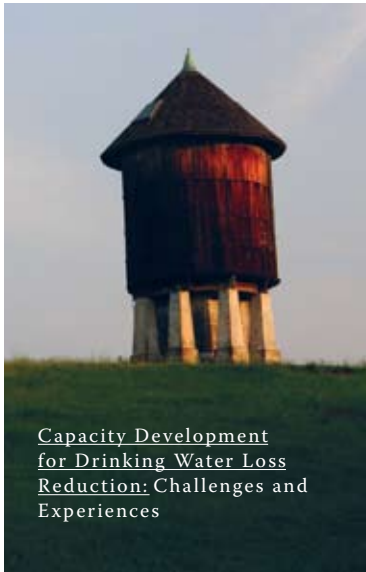
Synopsis:

Water efficiency, and particularly drinking water loss, is a widespread issue which has significant financial and environmental repercussions. However, awareness regarding the scope of the problem and available solutions is lacking. To contribute to addressing this need, the UN-Water Decade Programme on Capacity Development (UNW-DPC) is pleased to present you a book which is one of the results of three years of collaboration with other partners within UN-Water on this topic, including a series of regional workshops on capacity development for improving water efficiency.

This book outlines the various problems and needs related to water efficiency; the technical, political and institutional challenges for water loss reduction in specific cases around the world; and options for actions and solutions which includes a discussion on the capacity development that is essential for the achievement of greater water efficiency.

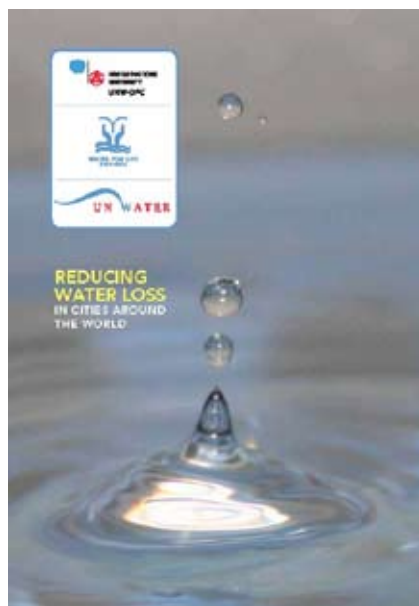
Moderator: Johan Kuylenstierna, Centre Director and Deputy Director Operations, Stockholm Environment Institute

- Prof. Karl-Ulrich Rudolph, lead contributing author and head of UNW-DPC Working Group on Water Efficiency
- Dr. Reza Ardakanian, Director, UNW-DPC
- Dr. Hani Sewilam, contributing author and Programme Officer, UNW-DPC



Capacity Development
for Drinking Water Loss
Reduction: Challenges and
Experiences

5. Launch of the UNW-DPC DVD on “Reducing Water Loss in Cities around the World”



Date: Monday 21 March 2011

Time: 12:30pm – 2.00pm

Venue: Fair

In this DVD, water experts discuss the challenges of water loss faced every day and suitable solutions to increase efficiency in urban water supply systems and apply suitable approaches to develop capacities.

This DVD is available in English, French and Spanish

AWARD CEREMONIES

Announcement of the Water for Life Best Practices Award winners



Date: 22 March 2011

Time: 12:30 to 14:00

Venue: Fair

Convenor: UN-Water Decade Programme on Advocacy and Communication (UNW-DPAC) and the United Nations World Water Assessment Programme (WWAP)

Introduction

Organized by the United Nations Office to Support the International Decade for Action “Water for Life” 2005-2015/UN-Water Decade Programme on Advocacy and Communication (UNW-DPAC) and the UN World Water Assessment Programme (WWAP), the “Water for Life” Best Practices Award is aimed at promoting efforts to fulfil international commitments made on water and water-related issues by 2015. The Award recognizes outstanding best practices that can ensure the long-term sustainable management of water resources and contribute to the achievement of internationally agreed goals and targets as contained in the Millennium Development Goals (MDGs), Agenda 21 and the Johannesburg Plan of Implementation.

The prize is awarded yearly in two categories, one in best water management practices and another one in best participatory, communication, awareness-raising and education practices. Every year, special emphasis is being put on the theme selected for next World Water Day; in 2011 the focus is on “Urban Water Management”.

Selection of candidates

All submissions have been reviewed and evaluated by an international Technical Advisory Committee (TAC). The TAC has forward its evaluation to an international Jury that has selected two initiatives, one in each category, deserving the “Water for Life” Best Practices Award. The winning best practices will be introduced during the presentation.

Programme of the Award Ceremony

Introduction to the Award, *Olcay Ünver*, Coordinator of the United Nations World Water Assessment Programme (WWAP)

Focus of the 2011 edition, applications received, *Alberto Tejada-Guibert*. Director a.i. Division of Water Sciences, UNESCO

Video projection of the finalist best practices

Announcement of the winners of the 2011 edition, *Alberto Tejada-Guibert*

Closing, *Olcay Ünver*

Connecting Cape Town to the World

World Water Day is celebrated throughout the world by hundreds of organizations and thousands of individuals. In 2011, UN-Water with the assistance of the World Bank's Global Development Learning Network, a partnership of over 120 recognized global institutions (Affiliates) in over 80 countries that collaborates in customized learning solutions for individuals and organizations working in development will make World Water Day truly a global event. Moreover, the celebrations in Cape Town will be posted on www.worldwaterday2011.org through streaming video, allowing the whole world to follow the event and post questions and remarks.

During World Water Day 2011, the learning network will connect throughout the day

participants from other countries in “real-time”, to the debates and dialogues taking place at the Cape Town International Conference Centre. The morning session of 22nd March, will connect Beirut to the debate at the main auditorium. During the African caucus, Dakar, Ouagadougou and Timbuktu will be connected. In the afternoon Washington will join the World Water Day celebrations in Cape Town.

A typical learning network session during World Water Day 2011 will focus on the challenges and opportunities of water and urbanization. Participants are water experts, professionals and suppliers from around the world, working in government, non-governmental organizations, and the media. These participants will contribute with suggestions and recommendations to conclude the debate on World Water Day.

The Cape Town WaterCube

National Geographic described it as one of the highlights of the 2010 World Water Week in Stockholm. Now the WaterCube team lands in Cape Town, with its Flip camcorders, distinctive white cube studio and unique rapid-fire



interviews, shared online. WaterCube is a joint venture between Stockholm International Water Institute (SIWI), IRC and Akvo.org, this year supported by UN-Habitat.

WaterCube will help bring the issues and people involved with World Water Day onto the web, sharing insights and engaging a new, more connected generation. Anyone can drop by and join in the conversation. The dynamic, independent, constantly-changing team of video reporters is drawn from some of the water sector's most innovative organisations. All the material is shared online and you can easily feature it on your own website.

See the trailers and watch content throughout the event at www.watercube.tv

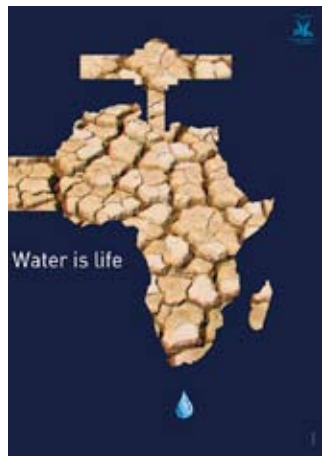
For more information, contact: Mark Charmer - mark@akvo.org

International thematic poster competition for art and design students: 'Water is Life'

More than 5.000 international art and design students took part in the thematic art poster competition "Water is Life". With 130 finalists the organizers present the winners at the World Water Day 2011 event in Cape Town during the three day event from 20 to 22 of March, 2011.

The poster competition is realised by German Sanitation, Heating and Air Conditioning Association (ZVSHK), Berlin University of the Arts (Germany). Nanjing Arts Institute and Normal University, Hangzhou (China). It is sponsored by Duravit AG, Ferchau GmbH, the Germany based Media Consulta International, Vereinigung Deutscher Sanitärwirtschaft e. V. (VDS) and Gentner Verlag.

The competition provides an opportunity to showcase young creativity from all over the world on a global scale, showcasing a topic in its wide-range of scope, touching on essential, biological, political and economic aspects of life: Water!



The WWD 2011 Exhibition and Fair

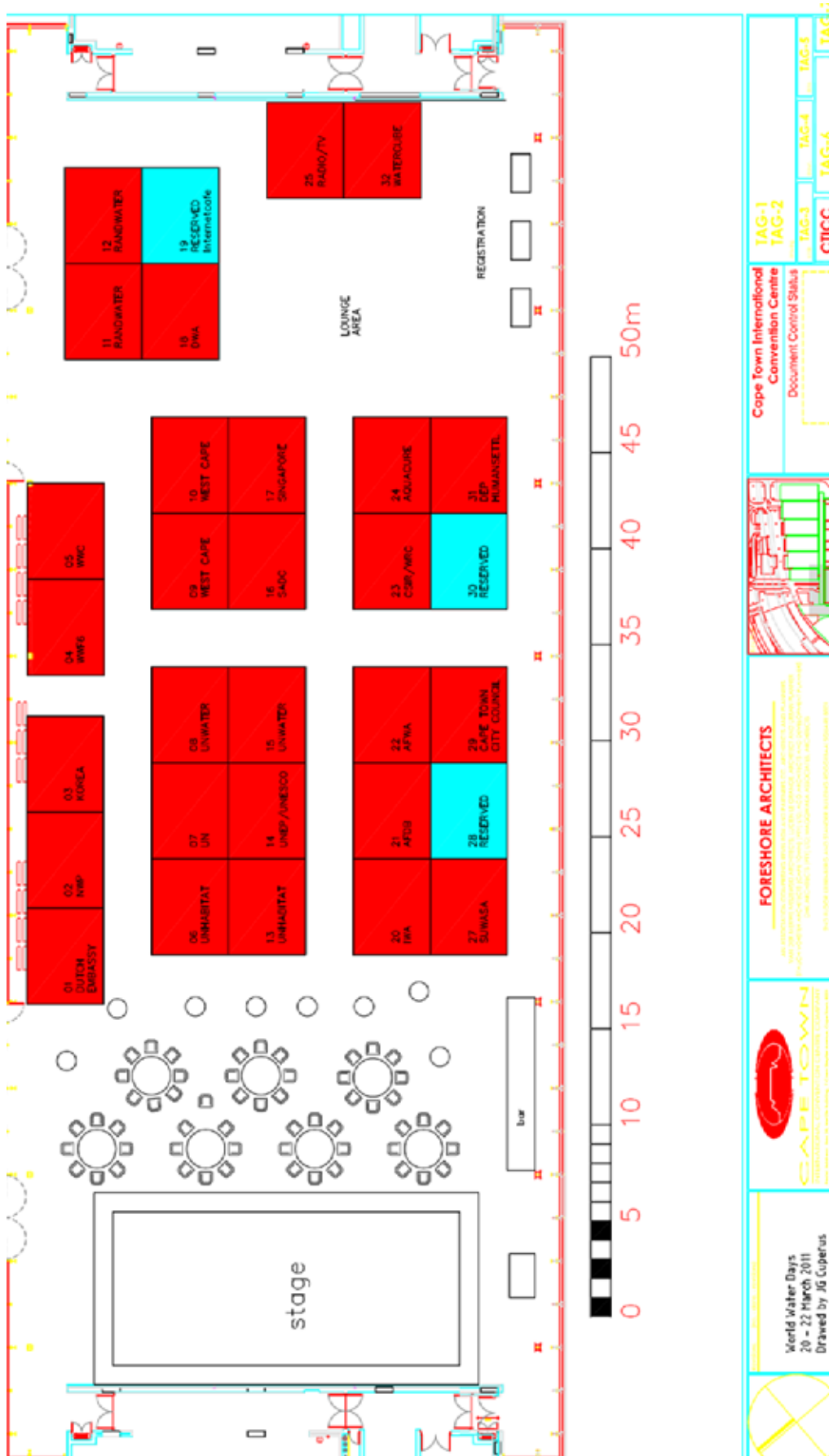
The WWD 2011 Exhibition and Fair will be open for three days from 20th - 22nd March to exhibitors from all over the world. The exhibit area will present 30 units of 20m², which will be available to a large and varied number of national and international exhibitors and on a first-come-first-served basis. Visitors to the fair will include 1,500 participants attending the Cape Town event as well as local visitors from South Africa.

At the fair is a large podium for presentations and entertainment. It will feature cultural events, speeches, interviews and worldwide videoconferencing via the Internet. All luncheons and reception parties will take place at the fair.

A small unit at the Fair is priced at US\$ 5,500 or ZAR 39,000. The larger units cost US\$ 6,500 or ZAR 45,000. The exhibition and fair will be a non-profit venture; any extra revenues will be used to fund culture and community projects at the WWD 2011.

The opening of the Fair will be on 20th March with a spectacular show by African artists. On Monday 21st during lunch there will be entertainment, followed by performances at the end of the day. On World Water Day, 22nd March there will be many performances during the day and a grand party until midnight featuring main acts from the Cape Town Jazz Festival.

Venue



List of Exhibitors

- 1 AfDB (African Development Bank)
- 2 AFWA (African Water Association)
- 3 AMCOW (African Ministers Council On Water)
- 4 Cape Town City Council
- 5 Cape Town Department of Water Affairs
- 6 CSIR (Council of Scientific and Industrial Research)
- 7 East Rand Water (ERWAT)
- 8 Global Ecological Cooperation (GEC)
- 9 GWOPA (Global Water Operators' Partnerships Alliance)
- 10 GWP (Global Water Partnership)
- 11 ICLEI (International Council for Local Environmental Initiatives)
- 12 IWA (International Water Association)
- 13 K-Water, Korea
- 14 NWP (Netherlands Water Partnership)
- 15 Rand Water
- 16 Royal Dutch Embassy
- 17 SIWI (Stockholm International Water Institute)
- 18 SUWASA (Sustainable Water and Sanitation in Africa)
- 19 SWITCH (Sustainable Water management improves tomorrow's cities' health)
- 20 UNEP (United Nations Environment Programme)
- 21 UNESCO (United Nations Educational, Scientific and Cultural Organization)
- 22 UN-HABITAT
- 23 UN-WATER
- 24 UNSGAB (United Nations Secretary-General's Advisory Board on Water and Sanitation)
- 25 Western Cape Province, Department of Environmental Affairs
- 26 WISA (Water Institute of South Africa)
- 27 WorldBank
- 28 WWC (World Water Council)
- 29 WWF (World Wildlife Fund)
- 30 WWF6 (6th World Water Forum in Marseille)



Photo: Thomas Debray

Water in an Urbanising World

Cities are hotspots for both demographic and economic growth, but increasingly also for social as well as climate related risks. Wise water management will play a pivotal role in shaping a positive development for present and future urban citizens.

Continue and advance your ideas from the World Water Day in Cape Town at the World Water Week in Stockholm, August 21–27, 2011.

Join us and contribute to better future cities!

www.worldwaterweek.org

WORLD
in Stockholm,
August 21–27, 2011
WATER
WEEK

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