



Monday 18th July 2016

Sub Theme 3

1st Parallel Technical Session: 16.00 – 17.30hrs

Topic: Current state of wastewater management and water quality in Africa
 Convener: GWP
 Co Conveners: Regional Water Partnerships, AWF and WB (tbc)
 Session Objectives: The main objective is to present the current state and challenges of wastewater management and water quality in Africa and the implications to the implementation of the SDGs.

Session Description:
 Speakers & Panellists:
 Moderator:

Tuesday 19 July 2016

Sub Theme 3

2nd Parallel Technical Session: 09.00 – 10.30hrs

Topic: Defining National SDG targets and indicators on water quality and wastewater
 Convener: IWMI
 Co Conveners: GWP, AWF, UNESCO
 Session Objectives: Defining national SDG Targets (in particular 6.2 & 6.3) and their associated indicators and exploring the capacity building needs to monitoring and reporting on the agreed targets/indicators
 Session Description: (Presentations / Panel Discussion- not more than 120 words)
 Speakers & Panellists:
 Moderator:

Coffee Break: 10.30 – 11.00hrs

Sub Theme 3

3rd Parallel Technical Session: 11.00hrs – 12.30hrs

Topic: Science and policy towards water quality and wastewater SDGs in Africa
 Convener: UNESCO-IHP International Initiative on Water Quality (IIWQ)
 Co Conveners: Tbd
 Session Objectives: To mobilize and integrate science and policy with the aim to promote research, knowledge generation and dissemination, effective and innovative policy responses on water quality and wastewater in Africa while supporting Member States to achieve water related SDGs.
 Session Description: Effective and innovative policy responses globally need sound science-based policy making, specially towards the attainment of the 2030 Agenda and SDG targets. The International Initiative on Water Quality of UNESCO-IHP is a global programme established to respond to the urgent need for global action to improve the quality of the world's freshwater resources and to mitigate the continuing degradation of water quality. Its main aim is to facilitate international scientific and policy cooperation by promoting research, mobilizing and disseminating knowledge, enabling the sharing and exchange of technological and policy approaches, fostering capacity building, and raising awareness on water quality and wastewater, in a holistic and collaborative manner. The role of UNESCO-IHP IIWQ water quality projects and activities, ongoing and future endeavors in Africa and efforts to support Member States in protecting and sustainably managing fresh water quality will be presented.

Speakers & Panellists: 1. Opening (AMCOW representative – TBC); 2iE representative – TBC Chrispine Omondi Juma, Ministry of Water and Irrigation, Kenya & IIWQ Expert Advisory Group member IHP

National Committee of Benin, Benin – TBC); Sarantuyaa Zandaryaa, (UNESCO IHP), Simone Grego, UNESCO Regional Office Abuja, Nigeria);
Moderator: Sarantuyaa Zandaryaa, UNESCO International Hydrological Programme

Lunch Break 12.30 – 14.00hrs

Sub Theme 3

4th Parallel Technical Session: 14.00hrs – 15.30hrs

Topic: Emerging Pollutants in Water and Wastewater: UNESCO Project Case-Studies in Africa

Convener: UNESCO-IHP IIWQ

Co Conveners

Session Objectives: To share knowledge, effective technological and policy responses, and best practices on emerging pollutants in water and wastewater through the presentation of UNESCO case-studies developed in Africa.

Session Description: This session is organized under the UNESCO-IHP International Initiative on Water Quality (IIWQ) and in the framework of UNESCO-Sida project on “Emerging Pollutants in Wastewater Reuse in Developing Countries (2014-2018)”. New and emerging pollutants present a global water quality challenge with potentially-serious threats to human health and ecosystems. The session aims to respond to this concern and to share knowledge, effective technological and policy responses, and best practices on emerging pollutants in Africa through the presentation of main findings from UNESCO case-studies developed in this continent. Five out of 16 case-studies developed under this project focused in Africa, namely Ethiopia, Tunisia, Lake Victoria River Basin, and two in Nigeria

Speakers & Panellists: Sarantuyaa Zandaryaa UNESCO IHP; UNESCO-Sida presentation; Case-study from Ethiopia Impact and Risks of Perfluoroalkyl Substances; Case-study from Tunisia Contaminants of Emerging Concern in Oued Souhil Area, Nabeul, Tunisia: Occurrence in Irrigation Water and Implications (ECOSI) Simore Grego, UNESCO Regional Office, Nigeria – TBC, UNEP - Lake Victoria Basin Commission – TBC); Interactive discussion and Conclusions

Moderator: Sarantuyaa Zandaryaa, UNESCO IHP

Coffee Break 15.30 – 16.00hrs

Sub Theme 3

5th Parallel Technical Session: 16.00 – 17.30hrs

Topic: Harnessing opportunity through Sustainable Wastewater Management

Convener: The Global Wastewater Initiative (GW2I) - UNEP

Co Conveners IMWI, US EPA, UNESCO, UN HABITAT

Session Objectives: For stakeholders to further engage in the global wastewater initiative and to help accelerate solutions to the wastewater challenges that are shared by the world’s population.

Session Description: Introductory presentation outlining the role of the Global Wastewater Initiative, which was established in 2013 under the Global Programme of Action for the Protection of the Marine Environment from Land-based Activities (GPA) as a multi-stakeholder platform to initiate comprehensive, effective and sustained programmes addressing wastewater management. 3 presentations focussing on the three main pillars of GW2I:

1. Supportive policies given by the GW2I to national governments, to help their efforts through governance and policy reforms and frameworks
2. Adequate and tailored techniques, such as low cost wastewater management technologies
3. Innovative financial mechanisms, and the added-value of wastewater reuse the GW2I representative will outline case studies and successes of the initiative, distribute literature, and explain how stakeholders can join.

Speakers & Panellists: Key note speech and Introductory remarks; Presentation on the GW2I – Vision, approach and actions- Birguy Lamizana (Programme Officer, UNEP), Presentation - The Challenges of wastewater treatment- Emerging pollutants- Case studies Sarantuyaa Zandaryaa (UNESCO IHP) GW2I Partner Tbd; Javier Mateo Sagasta (Senior Researcher, IMWI) / Manzoor Qadir (UNU-INWEH))- tbc)

Panellists: AMCOW, AFWA AfDB, GIZ, UN Water Africa

Moderator: Kalanithy Vairavamoorthy, (IWMI) (to be invited)

Wednesday 20th July 2016

Sub Theme 3

6th Parallel Technical Session: 09.00hrs – 10.30hrs

Topic: Water-related Disease Risks, Intervention measures and the Global Water Pathogen Project

Convener: International Hydrological Programme of UNESCO

Co Conveners: Michigan State University

Session Objectives: To present sanitation-related challenges in Africa and ways to reach SDG 6 by operationalizing the Ngor Declaration, notably through the Global Water Pathogen Project (GWPP)

Session Description: Sub-Saharan Africa is among the world's regions with the lowest level of sanitation coverage. According to the UN, 115 people in Africa die every hour from diseases linked to poor sanitation, poor hygiene and contaminated water, with open defecation being the primary cause of fecal oral transmission of disease. African Ministers responsible for sanitation and hygiene thus adopted the Ngor Declaration in 2015 to achieve universal access to adequate and sustainable sanitation and hygiene services. The session will thus provide an overview of the road ahead for reaching the Sustainable Development Goal 6 through the operationalizing of the Ngor Declaration, putting emphasis on the Global Water Pathogen Project (GWPP) as a tool for countries to reach these goals.

Speakers & Panellists: Water and Sanitation for Africa; Operationalization of the N'gor Declaration on Water Security and Sanitation – perspectives from South Africa (Department of Water and Sanitation, South Africa Rep.; GWPP: Alexandros Makarigakis, (UNESCO Programme Specialist and Project Leader); Description and methodology of GWPP: Joan Rose, (Project Leader at the Michigan State University); Discussion with the audience (Audience and presenters)

Moderator: TBA Rapporteur: Bruno Nguyen, Senior Consultant, UNESCO

Coffee Break 10.30 – 11.00hrs

Sub Theme 3

7th Session: 11.00hrs – 12.30hrs

Topic: Eco hydrology for sustainability and water security in Africa

Convener: UNESCO-IHP

Co Conveners: European Regional Centre for Eco hydrology (ERCE Poland), UNESCO-IHE, African Regional centre for Eco hydrology (ARCE Ethiopia), Sokoine University of Agriculture Tanzania

Session Objectives: Implementing the AMCOW Work Plan and the N'gor Declaration on Water Security and Sanitation will require innovative and cost-effective achievements. Strengthening local capacity and develop appropriate solutions are essential for Africa to build systems that are cleaner and more sustainable

Session Description: This session aims to bring together international organisations, policymakers and government ministries, research institutions and agencies for sharing the challenges in water issues they are facing. Actually, intensive human uses and climate change are degrading global water quality and negatively affecting aquatic ecosystems worldwide; it seems of paramount need to promote the discussion on the contribution of UNESCO Ecohydrology Programme to a multidimensional and multiagency cooperation. The concept of dual regulation in ecohydrology (biota-water cycle interactions) provides a framework for reduction of human impact from catchments to coastal areas by enhancing and managing the existing environmental potential (carrying capacity) to achieve sustainability both for ecosystems and human population. As a solution-oriented and multidisciplinary approach, Ecohydrology can improve local stakeholder awareness and strengthen cooperation across countries especially in Africa in order to upgrade the IWRM by sharing their knowledge and activities through the web-platform: ecohydrology-ihp.org/demosites/.

Speakers & Panellists: Maciej Zalewski, Giuseppe Arduino, Yohannes Negussie, Makarius Lalika, Michael McClain

Moderator: Giuseppe Arduino

Lunch Break 12.30 – 14.00hrs

Sub Theme 3

8th Parallel Technical Session: 14.00hrs – 15.30hrs

Topic: Benefits of IUWM on productive wastewater management and water quality in Africa

Convener: IWMI
Co Conveners: GWP + GWOPA
Session Objectives: Explore the benefits of applying an IUWM framework for analyzing the urban water cycle in the African context (efficiencies in supply and demand, rethinking the way water is used and reused, resource recovery (energy, nutrients etc.).
Session Description:
Speakers & Panellists:
Moderator:

Coffee Break 15.30 – 16.00hrs

Sub Theme 3 **9th Parallel Technical Session: 16.00hrs – 17.30hrs**
Topic: Productive Wastewater Management and Improved Water Quality for SDG in Tanzania
Convener: Ministry of Water and Irrigation, Tanzania and UDSM
Co Conveners: BORDA Tanzania, WAMI/RUVU BASIN, PANGANI BASIN, CPC, LVEMP, DAWASCO
Session Objectives: To facilitate scientific discussion, knowledge exchange and collaboration among experts and stakeholders and to establish a state-of-the-art of scientific research, methodologies tools, technologies and monitoring of WQ in Tanzania
Session Description: 5 mins: Introduction and Overview of the Session: Director, DWQ MoWI, DUWS,
48 mins of presentations (4 X 12 mins)
20 mins of contribution by panellists/speakers
12 mins for audience participation
5 mins: Wrap-up:
Speakers & Panellists: BORDA Tanzania/ PB/WRB/CPC; DAWASA/MWAUWASA- TANGA & ARUSHA DAVIS& Shirtliff; LVEMP/WRDMI; NEMC/HES Unit
Moderator: WRDMI/BORDA Tanzania

Thursday 21st July 2016

Sub Theme 3 **10th Parallel Technical Session: 14.00hrs – 15.30hrs**
Topic: Fostering SDG #8: Innovative Job Creation and Young Water Professionals Role
Convener: UNESCO-IHP
Co Conveners: FREEWAT, HOPE-Initiative, ECHN-IAH, IAH, UN-Habitat, USGS, WRC plc.
Session Objectives: To drive the innovation to “build and economy that is cleaner, greener and more efficient” seeks to promote “development-oriented policies that support youth and empowerment of new generation of experts, decent job creation, entrepreneurship, creativity and innovation.
Session Description: The target audience includes international organisations, policymakers and government ministries, labour organizations, research and academia etc., which have an interest and stake in IWRM with innovative approaches and employment perspectives. In more ways than one, water is an essential component of our economies and is required to create and sustain jobs in every sector of the economy.
However, a major reason that employers don’t fill entry-level positions in the water sector is skill shortages. Education is then one of the keys to address this gap. By raising awareness of education’s and qualification’s importance in the water sector which is nowadays very much linked to access to ICT and promoting equal access to technologies through the use of Free and Open Source Software (FOSS) - <http://www.hope-initiative.net/> - we can close the digital divide between countries and create innovative jobs. Three keynotes presentations will be delivered followed by a Panel Discussion.
Speakers & Panellists: 1. WATER QUALITY AND WASTEWATER MANAGEMENT (PROF. Alaphia WRIGHT)
2. (PROF. Akiça BAHRI)
3. (DR. Youssef FILALI-MEKNASSI)
Moderator: Mr. Taal, BAI MASS/ Dr. Youssef FILALI-MEKNASSI

Sub Theme 3 **11th Session: 16.00hrs – 17.30hrs**
Topic: Resource recovery and reuse for productive wastewater management in Africa

Convener: IWMI
Co Conveners WRC + Gates
Session Objectives: Explore opportunities to maximise the resource recovery and reuse potential in both sewerred and non-sewerred systems in Africa, through the implementation of new game-changing technologies, innovative institutional frameworks and well-designed business models.
Session Description:
Speakers & Panellists:
Moderator: