



United Nations
Educational, Scientific and
Cultural Organization

International
Hydrological
Programme

Organisation
des Nations Unies
pour l'éducation,
la science et la culture

Programme
Hydrologique
International

UNESCO Workshop on “Addressing Water Quality Challenges in Africa”

UN Gigiri, Nairobi, Kenya, 14-16 March 2011

Conference Room 7

Programme

Monday, 14 March	
08.30-09.00	Registration of the participants
Opening and welcome	
09:00-09:15	Introduction of the participants
09:15-09:30	Opening addresses <i>Dr Sarantuyaa Zandaryaa, UNESCO International Hydrological Programme, France, on behalf of the IHP Secretariat</i> <i>Prof Joseph Massaquoi, Director/UNESCO Representative, UNESCO Office in Nairobi and Regional Bureau for Science in Africa</i>
09:30-09:40	<i>Group photo</i>
09:40-10:00	UNESCO's International Hydrological Programme: Strategic plan of the 7 th phase of IHP (IHP-VII, 2008-2013) <i>Dr Sarantuyaa Zandaryaa, UNESCO International Hydrological Programme, France, on behalf of the IHP Secretariat</i>
10:00-10:20	Overview of IHP activities in Africa <i>Dr Abou Amani, Regional Hydrologist, UNESCO Office in Nairobi and Regional Bureau for Science in Africa</i>
10:20-10:40	Water quality in IHP-VII <i>Dr Sarantuyaa Zandaryaa, UNESCO International Hydrological Programme, France</i>
10:40-11:00	<i>Coffee break</i>

Keynote lecture	
11:00-11:30	Africa water challenges: a regional perspective <i>Dr Abou Amani, Regional Hydrologist, UNESCO Office in Nairobi and Regional Bureau for Science in Africa</i>
Presentations by national experts: Western Africa	
Facilitator: <i>Dr Tom Okurut, Lake Victoria Basin Commission, Kenya</i>	
11:30-11:50	Role of IWRM in water quality preservation and protection strategies; the Senegalese experience <i>Dr Cheikh Bécaye Gaye, University Cheikh Anta Diop – EDEQUE, Senegal</i>
11:50-12:10	Water Quality Issues and Pollution Concerns in Africa: Nigerian Experience <i>Dr Oladapo Ezechiel Longe, GWP-Western Africa/University of Lagos, Nigeria</i>
12:10-12:30	Improving water quality in the rural poor by linking appropriate technology, participatory approach and endogenous financial mechanism <i>Dr Amah Klutse, Centre Régional pour l'Eau Potable et l'Assainissement à faible coût (CREPA), Burkina Faso</i>
12:30-14:00	Lunch break
14:00-14:20	Addressing the safety of drinking water sources in rural areas of sub-Saharan Africa - Sierra Leone, a case study <i>Dr Mustapha Olajiday Thomas, University of Sierra Leone, Sierra Leone</i>
14:20-14:40	Water quality assessment in flood-affected communities nationwide <i>Mr Foday Conteh, Ministry of Fisheries and Water Resources, Gambia</i>
14:40-15:00	Assessment of the water quality and prevalence of water borne diseases in Guidan Roundji Department of Maradi Region in Niger Republic <i>Mr Sanoussi Rabe, Ministry of Water, Environment and Desertification Control, Niger</i>
15:00-15:20	Groundwater water quality in Burkina Faso, current status and perspectives <i>Dr Angelbert Biaou, International Institute for Water and Environmental Engineering (2iE), Burkina Faso</i>
15:20-15:40	Q & A

15:40-16:00	Coffee break
Interactive session	
16:00-18:00	Plenary discussion: <ul style="list-style-type: none"> Identifying key water quality challenges
17:30-18:00	Day 1 wrap-up and summary

Tuesday, 15 March

Presentations by national experts: Central and Eastern Africa

Facilitator: *Dr Cheikh Bécaye Gaye, University Cheikh Anta Diop – EDEQUE, Senegal*

09:00-09:20	Essay about the disinfection of well water by <i>Artemisia annua</i> in Central African Republic <i>Dr Marie Céline Gothard Bassebe, University of Bangui / UNESCO Chair on Water Management, Central African Republic</i>
09:20-09:40	Water quality trends, monitoring and assessment in Uganda <i>Mr Simon Etimu, Ministry of Water and Environment, Uganda</i>
09:40-10:00	Water quality challenges in Africa -A case study of Kenyan lakes and rivers <i>Dr Vincent Madadi, University of Nairobi, Kenya</i>
10:00-10:20	Key water quality challenges in Kenya <i>Mr Daudi M. Kamau, Ministry of Water resources and irrigation, Kenya</i>
10:20-10:40	Water quality in Rwanda (<i>exact title to be confirmed</i>) <i>Dr Hermogène Nsengimana, National University of Rwanda, Rwanda</i>
10:40-11:00	Coffee break
11:00-11:20	Addressing water quality information in Tanzania: Groundwater contamination from fluoride, mercury and nitrate <i>Ms Radhia Juma Ideva, University of Dar es Salaam, Tanzania</i>

Presentations by national experts: Southern Africa	
Facilitator: Dr Amah Klutse, CREPA, Burkina Faso	
11:20-11:40	Water quality challenges in Namibia <i>Ms Laura Ndapanda Ashipala Namene, Ministry of Agriculture, Water and Forestry, Namibia</i>
11:40-12:00	A South-African perspective on sustainable utilization of freshwater resources to promote socio-economic benefits <i>Mr Ramogale Charles Sekwele, Department of Water Affairs and Forestry, South Africa</i>
12:00-12:20	Water quality information exchange <i>Mr Edward Mswane, Department of Water Affairs, Swaziland</i>
12:20-12:30	Q & A
12:30-14:00	Lunch break
14:20-14:40	Water quality status in Malawi <i>Mr Ambrose Phiri, Ministry of Irrigation and Water Development, Malawi</i>
14:40-15:00	Comprehensive groundwater monitoring network design for Limphasa River catchment for sustainable livelihoods through water resources' protection <i>Mr Thokozani Kanyerere, University of the Western Cape / UNESCO Chair on Groundwater, Malawi</i>
15:00-15:20	Water quality monitoring in Mauritius - from source to tap <i>Mr Anand Kumar Gopaul, Central Water Authority, Mauritius</i>
Guest presentation	
15:20-15:40	Water challenges - an Africa-wide overview (<i>to be confirmed</i>) <i>Patrick L. M'mayi, UNEP</i>
15:40-16:00	<i>Coffee break</i>
Interactive session	
16:00-17:30	Group discussions: <ul style="list-style-type: none"> Identifying and analyzing drivers and root causes of water quality problems
17:30-18:00	Day 2 wrap-up and summary
18.00-19.30	<i>Cocktail</i>

Wednesday, 16 March

Presentations by regional, sub-regional and basin organizations

Facilitator: *Dr Vincent Madadi, University of Nairobi, Kenya*

09:00-09:20	Water quality within the Senegal River Basin <i>Mr Oumar Touré, Organisation pour la Mise en Valeur du fleuve Sénégal – OMVS, Senegal</i>
09:20-09:40	Water quality, sources of pollution and impacts: The case of Congo River Basin <i>Mr Charles Tanania Kabobo, GWP-Central Africa, Cameroon</i>
09:40-10:00	Water quality challenges in SADC sub-region <i>Mr Christmas Maheri, Southern African Development Community (SADC), Tanzania</i>
10:00-10:20	Lake Victoria ecosystem resilience and impact on water quality balancing factors <i>Dr Tom Okurut, Lake Victoria Basin Commission, Kenya</i>
10:00-10:40	Environment aspects and water quality management <i>Mr Thomas M. Matiasi, Kenya Water Institute, Kenya</i>
10:40-11:00	<i>Coffee break</i>
Interactive sessions	
11:00-12:30	Group discussions: Opportunities for addressing the water quality challenges <ul style="list-style-type: none">• Effective and sustainable solutions to key water quality problems and related issues• How to address water quality challenges at the countries and basins level• How to address water quality challenges at the communities level
12:30-14:00	Lunch break
14:00-15:40	Group discussions: <ul style="list-style-type: none">• Policy recommendations to address water quality challenges in Africa
15:40-16:00	<i>Coffee break</i>

16:00-17:30	Plenary discussion: <ul style="list-style-type: none">• Reports of group discussions• Wrap-up of main findings of plenary and group discussions
<i>Closing of the workshop</i>	
17:30-17:45	Closing remarks