



Global Institute for Water, Environment and Health – GIWEH

Third International Conference on Water Resources and Environmental Management (ICWRE 2014) “Role of Governance in the Management of Water Resources and Environment”

13-15 May 2014

Antalya, Turkey

Programme agenda – draft 30042014

Day 1 – 13 May 2014	
09.30 – 10.30	Opening Session <i>Mr. Menderes Mehmet TevfikTürel, Mayor of Antalya Metropolitan Municipality</i> <i>Mr.FarukKaraçay, General Director of Antalya Water and Wastewater Administration (ASAT)</i> <i>Prof.Dr.İsrafilKurtcephe, President of Akdeniz University</i> <i>Prof.Dr.FeramuzÖzdemir, Dean of the Faculty of Engineering, Akdeniz University</i> <i>Dr. Nidal Salim, Chairman of the conference, Director, GIWEH – Global Institute for Water, Environment and Health</i> <i>Prof. Mohamed Abdulrazzak, Head, ICWRE 2014 Scientific Committee</i>
10.30 – 11.00	<i>Coffee break</i>
11.00-12.30	Session I – Integrated Water Resources Management and Water Governance.(each presentation 15min)
11:00-11:20	<i>Keynote speech – Making Water Governance Real (Metropolitan Water Governance, Specific to Istanbul Metropolitan). Ms. Huriye Incecik Ceylan, Expert, Ministry of Forestry and Water Affairs, Directorate General for Water Management, Turkey</i>
11:20-11:35	<i>Water Governance in Georgia. Ms. Nino Abuladze, United Water Supply Company of Georgia, LLC Ministry of Regional Development and Infrastructure of Georgia</i>
11:35-11:50	<i>Snowballing State-Private-Society Collaboration in Addressing IWRM Initiation Challenges. Mr.Candra Samekto, School of Agriculture and Food Science, University of Queensland, Australia</i>
11:50-12:05	<i>Water Sector Management via AWRM Approach in Countries of the Arabian Peninsula. Prof Mohamed Abdulrazzak, Department of Civil Engineering ,Taibah University , Medina , Saudi Arabia</i>

12:05-12:20	Membrane Technology in Water Treatment and Desalination. <i>Prof. Dr Ismail Koyuncu, Istanbul Technical University</i>
12:20-12:30	Discussion
<i>12.30-14.00</i>	<i>Lunch</i>
14.00-15.30	Session II– Integrated Water Resources Management (IWRM) and National Water Sector Management.
14:00-14:20	Keynote speech – Prof. Abdulgader A. Abufayed, College of Engineering, University of Tripoli, Tripoli, Libya
14:20-14:35	Water Resources Management Practices in the Sultanate Oman. <i>Eng. Ahmed Al Barwani, Water Resources Expert, Ministry of Regional Municipalities and Water Resources, Sultanate of Oman</i>
14:35-14:50	Water demand and water pollution in Egypt. <i>Dr. Zeinab Shaaban Abu-Elnaga, Faculty of Science, Mansoura University, Director of MUIRO, Egypt</i>
14:50-15:05	Challenges to the water sector in Jordan: a critical look. <i>Dr. Abbas Al Omari, Associate Researcher, Water, Energy and Environment Centre, University of Jordan, Amman, Jordan</i>
15:05-15:20	Water Sector in Israel and its Impact on the Palestinian Water. <i>Eng. Mahmoud Ismail, The Palestinian Water Authority, Palestine</i>
15:20-15:30	Discussion
<i>15.30-16.00</i>	<i>Coffee break</i>
16.00-17.00	Session II (continuation)– Integrated Water Resources Management(IWRM) and National Water Sector Management
16:00-16:20	Keynote speech- Mapping Water Poverty in Africa: A methodological comparison using Improved Water Poverty Index. Dr. Hatem Jemmali, Faculty of Economic sciences and Management of Sousse, University of Sousse and Laboratory of Research in Quantitative Economics of Development (LAREQUAD), Faculty of Economic sciences and Management of Tunis, University of El Manar, Tunisia
16:20-16:35	A Proactive Plan to Improve Urban Water Sector in Libya. <i>Dr. Khaled A. Rashed, Associate Professor, Department of Civil Engineering, Faculty of Engineering, University of Tripoli, Tripoli, Libya</i>
16:35-16:50	Domestic Water Security for Sustainable Development in North Central belt of Nigeria. <i>Mr. Samuel Ibbi Ibrahim, Department of Geography,</i>

	<i>Faculty of Natural Sciences, Ibrahim Badamasi Babangida University, Lapai, Nigeria</i>
16:50-17:05	A Multidisciplinary Partnership to support Water Resources Management in Cabo Delgado: stakeholder's participation as a key factor. <i>Eva Docampo, Amphos 21 Consulting S.L., Spain</i>
17:05-17:20	The Management of Urban Water Bodies in Ghana: the case of the Kumasi Metropolis. <i>Dr. David Forkuor, Kwame Nkrumah University of Science and Technology, Department of Geography and Rural Development, Ghana</i>
17:20-18:00	<i>Panel Discussion of three imminent experts on the issues of Integrated Water Resources Management(WRM) and the Enhancement of Water Governance</i>
Day 2 – 14 May 2014	
09.30 – 11:00	Session III – Enabling Environment for Water Resources Management (each presentation 15 min)– Main Hall
09:30-09:50	<i>Keynote speech- Development of a modular reconfigurable water bag for long distance freshwater transport over the sea: from concept to full-scale demonstration. Mr. Samuele Ambrosetti, Senior Engineer, D'Appolonia SPA, Italy</i>
9:50-10:05	Water Desalination and Water transport. <i>Dr. Salaheddin Shmela, Civil Engineering Department, Tripoli University, Libya</i>
10:05-10:20	A large Scale Seawater Desalination is a Sustainable Option for Gaza Water Supply. <i>Eng. Mahmoud Ismail, Director of National Water Council Unit (Gaza), Coordinator of Desalination Project, Palestinian Water Authority</i>
10:20-10:35	Carbon Footprint Assessment of desalination Industry in Algeria. <i>Professor Kamal Mohammedi, MESO team, ELEM/UMB</i>
10:35-11:00	Role of HANDS to Provide Sustainable Access to WASH Services: A study of Government and Non-Government Schools in Gadap Town Karachi, Sindh, Pakistan. <i>Ms. Rubina Jaffri, General Manager, HANDS Pakistan</i>
11:0 – 11:30	<i>Coffee break</i>
11.30-12.30	Session III – Regional Challenges and Opportunities for Water Resources Management(each presentation 15 min)
11:30-11:50	<i>Keynote speech – Urban water sustainable management under climate change conditions: acknowledging its true value, defining its full cost,</i>

11:50-12:05	<i>setting a socially fair price. Dr. Vasilis Kanakoudis, Assistant Professor, Civil Engineering Dept., University of Thessaly, Greece</i>
11:50-12:05	Fundamental Signals of Investment Profitability in the Global Water Industry. <i>Mr.Rajibur Reza, Department of Accounting, Finance and Economics, Griffith University, Australia</i>
12:05-12:20	Sustainable Urban Drainage Recommendation for Future Direction in Rain Water Management in Jordan . <i>Zain M. Al Hourri ,Civil engineering Department, Applied Science Private University ,Aamman , Jordan</i>
12:20-12:30	Discussion
12.30-14.00	Lunch
14:00-15:30	Session IV-Science and Technology-Groundwater Management
14:00-14:20	Key note speech – Mohamed Abdulrazzak, Professor of Water Resources Management ,Civil Engineering Dept .Taibah university ,Medina Saudi Arabia, and Former: Senior UNESCO Regional Director for Cairo office, Egypt and Deputy Executive Secretary , UN-ESCWA ,Lebanon :
14:20-14:35	Study of water potential in the Saïss basin and development of a model of integrated management of water resources by the WEAP tools. <i>Prof. Ali Essahlaoui, Research group "Water Science and Environmental Engineering," Laboratory. Geo-engineering and Environmental Geology Department, Faculty of Sciences, Morocco</i>
14:35-14:50	A Simulation/Optimization Approach to Manage Groundwater Resources in the Gaza Aquifer (Palestinian) Under Climate Change Conditions. <i>Dr. Khalid Qahman, Gaza Islamic University and Environment Quality Authority, Palestine</i>
14:50-15:05	Estimating the Effect of Qanats and Underground Dam on Water Levels in Wells, Using Finite Difference Simulation. <i>Mr. Babak Vaheddoost, PhD candidate, Istanbul Technical University/ Department of Civil Engineering, Turkey</i>
15:05-15:20	Modeling of groundwater flow of the aquifer system in the plain of Mléta - Sebkhia Basin of Oran (Algeria). <i>Dr.Baghdadi Boukerma, Hydrology and Water Resources Management Laboratory, Department of hydraulics, University of Science and Technology, Algeria</i>
15:20-15:30	Discusion
15:30-16:00	Coffee break

16:00-17:00	Session IV (continuation) – Science and Technology for Groundwater Management (each presentation 15 min)
16:00-16:20	<i>Key note speech – Mr. Bence Fulop, Trinity Környezetvédelem, Hungary</i>
16:20;16:35	High Abstraction Impact on the Groundwater Resources on the South Area of Libya. <i>Dr. Almabruk A. Sanoussi, Civil Engineering Department, Tripoli University, Tripoli, Libya</i>
16:35-16:50	Revelation of the lateral Mixture between Two Reservoirs at the Level of the Basalt Aquifer of Tigrigra (Morocco) by the Hydrogeological and Isotopic Tools. <i>Abdelhadi El Ouali1, Research team "Hydrogeology and Environment", Faculty of Science, University Moulay Ismail, Meknes, Morocco.</i>
16:50;17:05	Water Quality and Management of Aflaj in Oman. <i>Dr. Abdelkader T. Ahmed, Civil Engineering Department, Faculty of Engineering, Aswan University, Egypt</i>
17:05-17:20	Assessment of groundwater quality for drinking and irrigation purposes, Martubah plain, Eastern Libya. <i>Dr. Fathi A. Swaid, Director of Research and Engineering Consultants, Man-made River Water Utilization Authority, Middle Region, Libya</i>
17:20-17:30	Hydrological simulation model at Wadi Alaqiq, Madinah, Saudi Arabia. <i>Dr. Norhan Abd Rahman, Department of Civil Engineering, College of Engineering, Taibah University, Kingdom of Saudi Arabia</i>
17:30-17:45	Frequency of extreme rainfall of Bathan catchment, Madinah, west of Saudi Arabia. <i>Mr. FahadAlahmadi, Land Property Manager, Madinah Water Directorate, Saudi Arabia</i>
17:45-18:00	Discussion
Day 3 – 15 May 2014	

09.30 – 11.00	Session IV (continuation) – Science and Technology for Management of Ground and Surface Water (each presentation 15 min)
09:30-9:50	Key note speech – Dr. Senthil Kumar Sadavisam, Assistant Professor, Department of Biotechnology, National College (Autonomous), India.
9:50-10:05	Sensitivity Analysis for the Predicted Failure Parameters of Wadi Libda (Liptos) Dam. <i>Dr. Salaheddin A. Serra, Civil Engineering Dept., University of Tripoli, Libya</i>
10:05-10:20	Hydrological Benefits in the Context of Cooperating in Constructing Friendship Dams on Transboundary Rivers. <i>Dr. Thair Al-Taiee, Mosul University, College of Engineering, Dams and Water Resources Engineering Department, Iraq</i>
10:20-10:35	Protection Works against Erosion: The Wadis of Abu-Aisha, Libya. <i>Dr. Abduljawad M. Abduljawad, University of Tripoly, Libya</i>
10:35-10:50	Application of a Max-Min Ant System Algorithm for Optimal Operation of Multi – Reservoirs (Case study: Golestan and Voshmgir Reservoir Dams). <i>Dr. Omolani Mohammad Reza Pour, Assistant Professor of Department of Water Engineering, Faculty of Water & soil Eng., University of Zabol, Iran</i>
10:50-11:00	Discussion
11:00-11:30	<i>Coffee break</i>
11:30-12:30	Session IV (continuation) – Science and Technology : Water Pollution Control;(each presentation 105min)
11:30-11:50	Key note speech – Prof. Dr. Selçuk Soyupak, Chair of Civil Engineering Department, KTO Karatay University-Konya, Turkey
11:50-12:05	Membrane Technologies in Water Treatment and Desalination. <i>Prof. Dr. Ismail Koyuncu, Istanbul Technical University, Turkey</i>
12:05-12:20	Pollution Investigation on Tigris River Within Mosul Area. <i>Prof. Muath H. Mustafa Alsultan, University of Mosul, Iraq</i>
12:20-12:30	Discussion
12:30-14:00	<i>Lunch break</i>

14:00-15:00	Session IV (continuation) – Science and Technology : Water Pollution Control;(each presentation 15 min)
14:00-14:20	Wastewater treatment plant sludge conditioning feasibility using prickly pear cactus (<i>Opuntia ficus indica</i>) juice. <i>Prof. Ali Aouabed, Laboratory of Functional Analyses of Chemical Process, Industrial Chemistry Department, Saâd Dahlab University of Blida, Algeria</i>
14:20;-14:35	Kinetics and Thermodynamics of Phenol Adsorption on Luffa Cylindrica Fibers from Aqueous Solution. <i>Dr. Ykhlef Laidani, Chlef University, Algeria</i>
14:35-14:50	Discussion
14:50 -15:00	<i>Coffee break</i>
15:00 – 17:00	Session IV (continuation) – Science and Technology : Water Pollution Control;(each presentation 105min)
15:00-15:30	Ability of Cords Luffa Cylindrica to Removal Copper ions from Aqueous Solution-Kinetic and Equilibrium Study. <i>Dr. Ghania Henini, Laboratory Environment-Water, Hassiba Ben Bouali University, P.O Box. 151, Hay Essalem 02000, Chlef, Algeria</i>
15:30-16:30	Enhancing Institutional and Legal Framework for Wastewater Reuse Sector in Palestine State. <i>Eng. Jamal Y. Al-Dadah, Palestinian Water Authority, Head of Planning Department, Co-Director of Austrian Project, Palestine</i>
15:30-15:45	A review on Utilization of Artificial Neural Networks for Management of Free Residual Chlorines in Water Distribution Systems. <i>Prof. Dr. Selçuk Soyupak, Chair of Civil Engineering Department, KTO Karatay University-Konya, Turkey</i>
15:45-16:00	Discussion
16:00-17:00	Closing
Day 4 – 16 May 2014	
Cultural programme – boat trip, visit to the city centre	



Poster presentations

Improving soil conservation through an adapted tillage: experience from the cultivation of potatoes in Bamiléké's hills of Cameroon. *Mr. Henri Grisseur Djoukeng, University of Liège Gembloux Agro Bio Tech, Department of Science and Environmental Technology, Soil-Water Systems Unit, Gembloux, Belgium*

The Impact of Environmental Management Plan on Firms' compliance with Environmental Laws. *Ms. Hlamulo Makelane, Human Sciences Research Council, South Africa*

State of water resources in the Wilaya of Mascara. *Ms. Khadidja Semari, Department of Hydraulics, Faculty of Sciences and Technology, University of Mascara, Algeria*

Comparison of Heavy Metal Adsorption from Carbons Activated with Zinc Chloride Salt (A case study of Cassava and Bamboo biomass). *Ms. Opololaoluwa Ijaola, Department of Agricultural and Environmental Engineering, Faculty of Technology, University of Ibadan, Ibadan Nigeria*

La Vallée d'Oued Righ (Algerie) : Dégradation des Palmeraies par les Eaux Usées. *Dr. Samia Benguerrou Laradj, Department of Chemistry, Faculty of Sciences, University of Saad Dahlab Blida, Algeria*

Wind Energy for Sea Water Desalination in the West of Algeria. *Belkacem Absar, Science and Technique Laboratory, Science and Technology Faculty, University of Mostaganem, Algeria*

Contribution of GIS in selecting the favourable site for the location of the station purifying wastewater of Azrou city (Middle Atlas, Morocco). *Professor Abdellah El Hmaidi, Moulay Ismail University, Morocco*



Side events, workshops and roundtable discussions

13 May

14.00 – 16.00 – *Water Cost Recovery Issues in Libya*

Moderator: tbc

Water pricing in Libya. Presenter

14 May

14.00 – 17.00 – *Workshop “Looking for water technologies in the ocean of patent documents - introduction in patent search”*

Moderator: Ms. Irene Kitsara, Project Officer, Patent Information Section, World Intellectual Property Organization (WIPO), *more details coming*

15 May

10.00 – 12.00 – *Roundtable discussion “Future cooperation and partnerships: research and public-private partnerships”*

Moderator: tbc, *more details coming*