

Program of Meda Water Conference SWM, Tunis: 21 – 24, March 2007

Day: 21/3/2007

14h30-17h30 Registration and Poster Installation
18h00-20h00 Welcome Reception

Day: 22/3/2007

Conference Room PLENARY SESSION
Room 1

9h00-10h00 Official Opening Ceremony
- Minister of HESRT

10h00-10h05 Presentation of the program
10h05-10h35 Keynote :
M. Regelsberger (Austria):
Sustainable Concepts towards a Zero Outflow
Municipality
10h35-10h45 **Dr Abdulmalek Al Sheikh (Saudi Arabia),**
Presentation of Prince Sultan bin Abdulaziz
International Prize for Water

10h45-11h10 Coffee Break

Conference Room PARALLEL SESSION
Room 1

Session/Topic 1 Best technologies/systems for sustainable
treatment of urban wastewater in the
Mediterranean area
Chairperson Christine Werner (Germany)

11h10-11h40 Keynote
Masi Fabio (Italy):
A Multi-stage Constructed Wetland system for the
wastewater treatment of a medium size
municipality (3500 inhabitants) in Central Italy

PARALLEL SESSION
Room 2

Session/Topic 5 Industrial Wastewater Treatment and Cleaner
Production
Chairperson Mourad Bedir (Tunisia)

11h10-11h40 Keynote
Chantal Guillard (France):
Traitement photocatalytique d'effluents aqueux.
Avantages, limitation et perspectives.

11h40-12h00	Benabdallah Sihem (Tunisia): Performance Analysis of a Vertical Flow Constructed Wetland for Treatment of Domestic Wastewater for a small community in Rural Tunisia
12h00--12h20	Arnold Friederike (Germany) : Successful Innovation and Invention of Water Treatment Technologies Using technology Innovation
12h20-12h40	Kouki Soulvène (Tunisia): Evolution of Physical-Chemical and Bacterial Characterisation of Treated Domestic Wastewaters by Constructed Wetland Plant
12h40-13h00	Taoufiq Chati (Morocco): Comparaisons des performances de post-traitement des filtres plantés de roseaux et du chenal algal à haut rendement en climat méditerranéen

11h40-12h00	Fresner Johannes (Austria): Practical experiences with implementation of zero emissions in surface treatment in Austria
12h00-12h20	Bousselmi Latifa (Tunisia): La photocatalyse solaire un outil pour la mise en place d'une gestion durable de l'eau
12h20-12h40	Zahraa Orfan (France) : Activité photocatalytique des hétérojonctions à base de dioxyde de titane dans le visible
12h40-13h00	Khemakhem Walid (Tunisia): Traitement des effluents des industries textiles chargés en colorants au soufre par un consortium bactérien

13h00-14h00 Lunch

13h00-14h00 Lunch

Conference Room **PARALLEL SESSION Room 1**

PARALLEL SESSION Room 2

Session/Topic 2	Ecological sanitation , water saving and Water systems for small communities
Chairperson	Fabio Masi (Italy)
14h30-15h00	<u>Keynote</u> Christine Werner (Germany): Ecological sanitation
15h00-15h20	Wach Gerd (Germany): Critical Factors for pushing forward Ecological Sanitation
15h20-15h40	Knerr Henning (Germany): Development, combination and implementation of innovative components of process engineering, information technology and sanitary equipment to a sustainable key technology for closed loop

Session/Topic 5	Industrial Wastewater Treatment and Cleaner Production
Chairperson	Chantal Guillard (France)
14h30-14h50	Ismail Trabelsi (Tunisia) : Coupling of Anoxic and Aerobic Biological Treatment of Tunisian Landfill Leachate: Case Study of Jbel Chekir Landfill Site
14h50-15h10	Ellouze Mariem (Tunisia) : Detoxification of raw landfill leachate under biological treatment involving selected strains of fungi
15h10-15h30	Dhaouadi Hatem (Tunisia): Traitement des margines dans un Bioréacteur à membrane par une biomasse adaptée

15h40-16h00 **Schütze Thorsten (Netherland):** Ecological water and sanitation systems in remodeled urban housing estates in Europe and Asia

16h00-16h20 **Poster presentation**

16h20-16h50 Coffee Break/Poster

Session/Topic 2 Ecological sanitation , water saving and Water systems for small communities

Chairperson Martin Regelsberger (Austria)

16h50-17h10 **Lotfi Marouani (Tunisia):** Assainissement des petites agglomérations rurales

17h10-17h30 **Hussein AbdelShafy (Egypt) :** Anaerobic-Aerobic Ponds for WasteWater Treatment of the Decentralized areas

17h30-17h50 **Jellali Salah (Tunisia):** Column experiments and numerical modelling use for optimising the number of feeding pulsations during wastewater Soil Aquifer Treatment process

17h50-18h10 **Sainctavit Laurent (Spain):** 10 ans de travail pour favoriser un usage plus efficace de l'eau en Espagne: un premier bilan

18h10-18h30 **Rania Abdel Khaleq (Jordan):** Water Demand Management in Jordan

20h00 Dinner

15h30-15h50 **Poster presentation**

15h50-16h20 Coffee Break/Poster

Session/Topic 3 Rainwater harvesting for domestic use

Chairperson Gerd Wach (Germany)

16h30-16h50 **Abdallatif Mohammed (Palestine):** Rainwater Harvesting In Palestinian Territories, Practices, Perspectives and Obstacles

16h50-17h10 **Sohel Rana (Bangladesh) :** Rainwater harvesting for drinking in rural area (A case study on three villages of Paikgacha Thana in Khulna)

17h10-17h30 **Fonseka Premanai (Sri Lanka) :** House Hold Centered Water Management - in Sri Lanka

17h30-17h50 **Samhan Samhan (Palestine) :** Rainwater harvesting is a feasible option to minimize water shortage in rural areas in Palestine

17h50-18h10 **Baccari Noamene (Tunisia) :** Effectiveness of contours benches on water harvesting and soil conservation in Tunisian semi-arid region

20h00 Dinner

Day: 23/3/2007

**PARALLEL SESSION
Room 1**

Session/Topic 4	Segregation of Grey and black wastewater Treatment
Chairperson	René Kersauze (France)
8h30-8h50	Ayesh Mohammed (Jordan): Grey water reuse for sustainable agriculture and poverty alleviation
8h50-9h10	Murat Selda (Turkey): Grey Water Treatment by a Membrane Bioreactor and Reuse Options
9h10-9h30	René Scheumann (Germany) : Influence of different HRT for the operation of a Submerged Membrane Sequencing Batch Reactor (SM-SBR) for the treatment of greywater
9h30-9h50	Atasoy Elif (Turkey): Treatment of Black Water by a Pilot Scale Submerged Membrane Bioreactor (MBR)
9h50-10h10	
10h10-10h30	Poster presentation
10h30-11h00	Coffee Break/Poster

23/3/2007

**PARALLEL SESSION
Room 2**

Session/Topic 6	Desalination Systems, Water Systems and Case studies
Chairperson	Mohamed Maalej (Tunisia)
8h30-8h50	Papadakis George (Greece): Small Autonomous Reverse Osmosis Desalination Systems Powered by Solar Energy for Rural and Remote Areas. Technological Advances and Economics
8h50-9h10	BenAmar Nihel (Tunisia): Temperature effect on Rejection of Neutral and charged Solutes by Nanofiltration membrane Desal 5 DK
9h10-9h30	Karagiannis I. (Greece): Technical and Economic Analysis of Autonomous Desalination Systems: Case studies for ten ADIRA installations in Middle East and North Africa countries
9h30-9h50	Fethi Kamel (Tunisia): La qualité de l'eau et lutte contre l'entartrage des eaux de la nappe continentale intercalaire
9h50-10h10	BenDaly Abdallah (Tunisia): Les Economies de l'eau potable en Tunisie :Programme et réalisations
10h10-10h30	Poster presentation
10h30-11h00	Coffee Break/Poster

Session/Topic 7	Municipal Wastewater
Chairperson	François Brissaud (France)
<i>11h00-11h20</i>	Bouaoun (Tunisia) : Epuration des Eaux Usées en Tunisie.
<i>11h20-11h40</i>	Youssef Touhami (Tunisia) : Optimisation du procédé de traitement des eaux usées par boues activées. Cas de deux stations d'épuration tunisiennes
<i>11h40-12h00</i>	Arslan-Alaton Idil (Turkey) : Current Situation of Wastewater Treatment Plants in Istanbul Metropolis
<i>12h00-12h20</i>	Verlicchi Paola (Italy) : New receiving water body for a large wastewater treatment plant in a sensitive area in Northern Italy: survey, refitting with natural systems and water reuse
<i>12h20-12h40</i>	Gharsallaoui Mariem (Tunisia) : Effect of Irrigation by waste Water on the Olive Oil Quality
13h00-14h00	Lunch
14h30-18h30	Technical visits : 1-WWTP (ONAS) 2- WTP (SONEDE)
20h00	Dinner

Session/Topic 8	Disinfection of Water
Chairperson	Hussein AbdelShafy (Egypt)
<i>11h00-11h20</i>	Ben Messaoud Anis (Tunisia) : Etude expérimentale et théorique de réacteur de désinfection des eaux usées par rayonnement UV
<i>11h20-11h40</i>	Ergaieg Karim (France) : Etude comparative de la photoinactivation de bactéries d'intérêt sanitaire par la porphyrine, le rose de Bengale et le bleu de méthylène
<i>11h40-12h00</i>	Chedid Najib (Lebanon) : Hygienic Quality of Chlorinated City Water Stored in Household Tanks in Byblos, Lebanon
<i>12h00-12h20</i>	ELAttafia Benhamimed (Algeria) : The Hyperchlorination of Tap Water and Bladder Cancer in Mostaganem
<i>12h20-12h40</i>	Alarcon Teresa (Mexico) : Solar Disinfection of Water: Design and Evaluation of a Continuous Flow System
13h00-14h00	Lunch
14h30-18h30	Cultural visit : - Roman water system (extra fees)
20h00	Dinner

Day: 24/3/2007

**PARALLEL SESSION
Room 1**

Session/Topic 9	Decision Support System for Water Management
Chairperson	Rached Boussema (Tunisia)
8h30-9h00	<i>Keynote</i> Joaquim Comas (Spain): Use of Intelligent Environmental Decision Support System as a Tool to Improve Planning, Design Operation and Maintenance of Wastewater Treatment Systems
9h00-9h20	Alexander Pucher (Austria): Development of a Spatial Decision Support System for Sustainable Water Management
9h20-9h40	Cangahuala Ana (Germany/Peru): Integrated Decision Support for Water Loss Management in Water Distribution Systems in Developing Countries by the example of Peru
9h40-10h00	Awatef Messai (Tunisia): Mise en place d'un réseau national de surveillance de la pollution hydrique et élaboration d'une base de données relationnelle
10h00-10h20	Poster presentation

10h20-10h50 Coffee Break/Poster

**PARALLEL SESSION
Room 2**

Session/Topic 10	Integration of wastewater reuse in the overall water resources management
Chairperson	Mohamed Ennabli (Tunisia)
8h30-9h00	<i>Keynote</i> François Brissaud (France): Low technology wastewater Treatment for small Communities
9h00-9h20	Shayeb Hedi (Tunisia): Les défis de la réutilisation des eaux usées
9h20-9h40	AlAtiri Rakya (Tunisia): Sustainable water management
9h40-10h00	Koundi (Tunisia): Le cadre réglementaire des rejets et de la valorisation des eaux usées traitées
10h00-10h20	Poster presentation

10h20-10h50 Coffee Break/Poster

Session/Topic 11	Methodologies for the control and monitoring
Chairperson	Bouchaib El Hamouri (Morocco)
<i>10h50-11h10</i>	Becchis Franco (Italy): Integrated pollution prevention and control (IPPC) in EU : some theoretical aspects and consequences on water policies
<i>11h10-11h30</i>	Rashydov Namik (Ukraine): Evaluation of Water and Soil Genotoxicity with Bioassays in Sites Contaminated with Radionuclides
<i>11h30-11h50</i>	Atef Limem (Tunisia): Cytotoxic potential of Tunisian leachate samples and proteomics analysis of leachate-treated human breast cancer MCF-7 cells
<i>11h50-12h10</i>	Mahjoub Olfa (Tunisia): ER, AhR and PXR Activities in Reclaimed Water and Soils in Irrigated Area. A Case Study From Oued Souhil Area (Nabeul-Tunisia)
<i>12h10-12h30</i>	Dhehibi Boubaker (Tunisia) : Measuring Irrigation Water Efficiency with a Stochastic Production Frontier: An Application for Citrus Producing Farms in Tunisia

Session/Topic 12	Relevant policies, socioeconomic instruments and Guidelines
Chairperson	Conte Giulio (Italy)
<i>10h50-11h10</i>	Post Julika (Germany): Development of Guidelines on Wastewater Treatment and Reuse within the EMWater Project
<i>11h10-11h30</i>	Göksel Akcin (Tyrkey): EMWater project - Public Awareness
<i>11h30-11h50</i>	Gisela Prystav (Gernany): Bottom-up planning. Participation and Transdisciplinarity as success factors in the implementation of decentralized sustainable water management
<i>11h50-12h10</i>	Fidaa Haddad (Jordan): Local Community Participation for Sustainable Water Resource Management
<i>12h10-12h30</i>	BenAyed Mohamed (Tunisia): Water demand management for agricultural use: Water pricing policy

Conference Room	PLENARY SESSION Room 1
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<i>13h00 – 13h10</i>	Presentation of Recommendations
<i>13h10- 14h00</i>	Closing Ceremony

<i>14h00</i>	Lunch
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