



ICWRE

International Conference
For Water Resources &
Environment



International Conference on Water Environment and Resources: Water and Environment in a Changing World

20-24 November 2011

Atlas Asni and Atlas Medina, Marrakech, Morocco

Final Scientific and Technical Program

Sunday, November 20

15h00-17h00 Registration Atlas Asni Hotel (Jardin room – for more information contact the reception desk)

18h00 - 20h00: Reception and Welcome Speech –AtlasAsni Hotel (for more information, contact the reception desk)

20h00: Dinner

Monday, November 21

8h30-9h30: Registration(for more information, contact the reception desk)

9h30- 10h30: Opening Ceremony:Palais de Congrès- Center of Conferences- Marrakech- Morocco.

Opening Speech: Mr Mohamed BELKHIRI: Secretariat d'Etat charge de l'Eau et de l'Environnement, Minister of Energy, Mines, Water, and Environment - Morocco.

Opening Remarks: Mr Mohamed BOUMHIDIA, Governor of La Wilaya: Tansift El Haouz, - Morocco.

Welcome and background:

Dr. Nidal SALIM, Director and founder of GIWEH- Global Institute for Water Environment and Health, Genève-Switzerland.

Dr. Loai Deeb, President of the Global Network for Rights and Development, Genève- Switzerland, Main Sponsor of the conference.

10h30-11h00: Refreshments, Coffee Break

11:00-12:30: Keynote Speech.

- **Korea Green Growth Initiative, H.E. MyungPil SHIM, Minister, Office of National River Restoration, The Four Rivers Restoration Project as a Model of Green Growth in Korea.**

- **WIPO, World Intellectual Property- Mr. Ali Jazairy, Head, Innovation and Technology Transfer Section, Title "Open Innovation and its Potential for Regional Intellectual Property-Based Collaboration in the Development and Transfer of Water Technologies".**

- **Dr. Lahcen BENAABIDATE: ICWRE Scientific Committee**

12:30-14:00 Luncheon – Atlas Medina Hotel



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14:00-16:00: Session- 1: Water and Environment Technology

Room "Salle Tichka": Emerging water technologies

Moderator: Dr.SalehBoujaba, King Abdulaziz University, Jeddah-Saudi Arabia

Dr. Alan Fryar, Kentucky University at Lexington USA

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| 14h00-14h15 | Wasim Ali ¹ , Ali Sawarieh ¹ , Marwan Ghanem ² , Julian Xanke ¹ , Adil SALHI | Using ERT to delineate contamination plume in the uncontrolled landfill of BeniBouayach (Al Hoceima Province, Morocco) Positive aspects of Groundwater Artificial Recharge in Arid Regions |
| 14h15-14h30 | A. SAAD, N. LAFTOUIHI et K. TAJ-EDDINE | Ebauche de simulation de la recharge par les eaux de surface de la nappe phréatique plio-quaternaire du N'Fis (Haouz- Maroc) |
| 14h30-14h45 | Tak-Hyun Kim | Electron beam treatment of antibiotic agents and antibiotic resistant bacteria in aquaculture effluent |
| 14h45-15h00 | Muath H. Mustafa Al-Sultan | Sources of the Tigris river water deterioration and the suggestion treatment |
| 15h15-15h30 | K. BELHASSAN | Contexte hydrogéologique des sources du complexe Ribaa-Bittit de l'Oued Mikkes (Maroc) |
| 15h30-15h45 | Nawal EZZIRARI, Lahcen BAHI, Nadia BARHOUN | Impact de l'exploitation des carrières de la zone de Casablanca – Mohammedia sur l'environnement et leurs réhabilitations |

15h45-16h00: Refreshments, coffee break

Moderator: Dr.Nour-Eddine LAFTOUIHI, Morocco

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| 16h00-16h30 | Alan Fryar | Building Opportunity Out of Science and Technology (BOOST): Enhancing Capacity for Water-Resource Studies in Egypt, Morocco, and the MENA Region |
| 16h30-17h00 | Adam Milewski | The Role of Satellite Remote Sensing and GIS in Hydrologic Models: Case Studies From Arid Environments |
| 17h30-18h00 | Dr. Mohamed Sultan | An Integrated Approach for the Assessment of Groundwater Potential in Arid Terrains: Case Studies from Egypt, Saudi Arabia, and Africa |

18h00-18h45: Special BOOST Team discussions

19h00: Dinner



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Tuesday, 22 November

9h00- 10h30: Session 2: Water and Environment Security and Diplomacy

Room "Salle Tichka"— Round-table discussion: Global, regional and local challenges (Trans-boundary issues)

Moderator: Dr. MuhamedJameelAbdulrazzak – Former Director of UNESCO Cairo, Taibah University, Saudi Arabia

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| 9h00-9h15 | Mr. NajiHaraj | The Legal Framework of the Euphrates and Tigris Rivers |
| 9h15-9h30 | Dr. Mohamed J.Abdulrazzak, Nassir S. Alamri | Hydro-diplomacy for the Management of Shared Groundwater Resources Of the Gulf Cooperation Council Countries |
| 9h30-9h45 | Dr. H.E. Latif Rashid | Overview of Water Cooperation at Tigris, Euphrates Region |
| 9h45-10h00 | Dr. NidalSalim | Overview and Future Prospective at the Nile Basin |
| 10h00-10h30 | Open discussion | |

Room "Ourika" (Hotel Atlas Medina) – Special Session: Global change and climate change

Moderator: Dr. Ahmed Fekri, University Hasan II. FSBM Casablanca, Morocco

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| 8h30-8h45 | NoureddineGaaloul, MoncefRekay, Benoit Laignel | Salinisation des nappes phréatiques côtières : cas de la nappe de la Côte Orientale au Nord Est de la Tunisie |
| 8h45-9h00 | Naouel MIHOUBI, Azzedine MEBARKI & Benoit LAIGNEL | Bilan d'eau du barrage de Hammam Grouz et mise en évidence de fuites d'eau dans un contexte karstique (Oued Rhumel, Algérie) |
| 9h00-9h15 | Nadir Benhamiche1, Samira Messai-Maane1, Khodir Madani1, Benoit Laignel2 | Diagnostic de la qualité des eaux de surface et souterraine du bassin versant de l'oued Soummam, Algérie |
| 9h15-9h30 | K. MADANI*, F. BENMEZIANE, F. ALOUI | Quantification of the degree of inorganic and organic pollution of Bejaiaharbour |
| 9h30-10h00 | Benoit Laignel1, Nour-Eddine Laftouhi2, Khodir Madani3, Noureddine Gaaloul4, Azzedine Mebarki5, Zeineddine Nouaceur6, Nicolas Massei1 | Enregistrement et effets du climat sur les stocks d'eau de l'échelle globale à celle de la zone méditerranéenne et de quelques bassins versants situés au Maghreb |
| 10h00-10h15 | Foud Amraoui, Jalal Moustadraf | Nouvelle stratégie de gestion des ressources en eau souterraines au Maroc |
| 10h00-10h15 | Z. ZAMRANE1, N. LAFTOUHI1, B. LAIGNEL2 et N. MASSEI2 | OutilMethodologique Pour laDeretection d'Eventuels Changements Climatiquesdans laSerie Hydrologiqueet Climatiqueau Niveau du Bassin de Tensift (Maroc) |
| 10h15-10h30 | AIT EL MEKKI Ouassil, LE PAGE Michel et LAFTOUHI Nour-Eddine, and L.Hanich | Apport du SIG à l'affinement des études hydrologiques : Cas du bassin versant de Rheraya (Maroc) |



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10h30-10h45: Refreshments, coffee break

11h00 – 13h00: Session 3 – Side Event: WIPO Patent Information Section

Room "Salle Tichka"

-Ms. Irene Kitsara, Project Coordinator. Title "WIPO's Patent Landscape Report Project"

-Presentation of WIPO's Report on Desalination technologies and the use of alternative energies for desalination, in cooperation with IRENA and GIWEH

-Followed by the presentation of Mr.Jazairy: "Open Innovation Exercise"

13h00-14h00: Luncheon

14h00 – 15h45: Session 4 – Side Event: Water and Green Growth

Room "Salle Tichka"

Moderator: Dr. Nidal Salim, GIWEH, Switzerland

- Establishment of concept for water and green growth/ Paradigm shift for green growth/ Case Study on Water and Green Growth/ Future Strategies for Water & Green Growth/ Crisis of Water Resources and Green Growth

- Discussions

15h45-16h00: Refreshments, coffee break

16h00 – 18h00 – Session 5

Room "Salle Tichka" – Poster Session AND Integrated Water Resources Management

Moderator: Ms. Amira Laribi, GIWEH

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| 16h00-16h15 | Dr. S.Salimani and Dr. M.Balkhyour | Possible Utilization of Wastewater effluent from Jeddeh Waste Water Treatment Plant for Agricultural Reuse in Saudi Arabia |
| 16h15-16h30 | Ms. ChenaouiBakhta | Impact of Desalination of Seawater on the Environment in the Station MAINIS. CHLEF. Algeria |
| 16h30-16h45 | Sââdia Benmamar | Modelisation de l'écoulement turbulent aéré à l'aval du point d'inception par la méthode des volumes finis |
| 16h45-17h00 | Dr. Mahmoud I.Al.Doaan | Minimizing Floods Risk in EmpemeralWadis: A Case Study of Eastern Jeddah's Watershed – Western Saudi Arabia |
| 17h00-17h20 | Open discussion | |
| 17h20-18h00 | Poster Session: | |
| Yousef . A. Al-Rumikhani | A national GIS system for estimating Evapotranspiration, irrigation water requirements in Saudi Arabia | |



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| Dr. Saleh Amer Babaa | Hydrogeology of Hydrogeology of WadiTurbah, Saudi Arabia |
| B. Carro et all | 1. Partitioning of Fe and heavy metals in sediments from the Odiel and Tinto Estuary (SW Spain) 2. Migration of pollutants in A.M.D. Rivers. Characterization of the Tinto River in the generating source & receiving environment 3. Properties of the ochre-precipitates formed during passive treatment of acid mine drainage – potential for reuse 4. Rapid method of field for preliminary characterization of contaminant capacity for waters in A.M.D. sources |
| Zineb Salem | Valorisation of incineration residues in industrial wastewater treatment |
| F. Fnigui et N. Laftouhi | Hydrologie du bassin versant de Tensift Approche spatiales et approche pas simulation (Tensift- Maroc) |
| Boudier Djamel, Mohamedi Kamal, Sadi Abdelkrim, Bouziane Abdelkader | Optimization of a Sustainable Energy and Water Production System Integrating Renewable Energy |
| Y.S. Mok, K.T.Hyun, D.L.Jang | Four Posters |

Room "Ourika" (Hotel Atlas Medina) Integrated Water Resources Management

Moderator: Dr. Muath Sultan

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| 16h00-16h15 | الدكتور كريم حوى | الرمل و عاصف الغبار في العراق |
| 16h15-16h30 | الدكتور أزاد محمد أيالنقشيني | الاستخدام الأمثل لمياه نهر الزاب الكبير في إقليمكور دستانالعراق |
| 16h30-16h45 | الأستاذ الدكتور صبار عبد الله صالح. قسم الجيولوجيا/جامعة تكريت / العراق | تقديم الظفر فالهيدرولوجي و بناء النموذج المائي بالجوفية فيما يخص الحضر المقترن |
| 16h45-17h00 | الأستاذ الدكتور كفاح صالح الحاسدي/جامعة الكوفة/ كلية الآداب/ رئيس قسم الجغرافيا | مشكلات تلوث نهر العراق في محافظة النجف (العراق) |
| 17h00-17h15 | الدكتور محمد جواد عباس شبع/جامعة الكوفة/ كلية الآداب/ قسم الجغرافيا | الأنهر أهميتها ومصادر تلوثها وطرق المعالجة |
| 17h15-18h00 | Open discussion | |



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Wednesday, 23 November 2011

Room "Salle Tichka"

9h30-11h00: Poster Session (continuation)

9h30-10h00: Certificates

10h00-11h00: Conclusions and Recommendations

Thursday, 24 November

Field trip to the Yacoub El Manspour Dam

Inquiry

For further information and inquiry, please contact

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Speaker Coordinator

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