



Opening Program

Programme d'ouverture

EWRA2005 – Wednesday 7 September			
Water Emergencies			
10h00-12h30	Welcome – Registration of EWRA2005 participants		
12h30-14h00	Lunch time		
14h00-15h30	<p style="text-align: center;">Plenary Session – Room 1</p> <p style="text-align: center;">EWRA2005 Opening</p> <p style="text-align: center;">Welcome message from the Mayor of Menton</p> <p style="text-align: center;">Conferences on Water Emergencies</p> <p style="text-align: center;">Convener : J-F Donzier, Director General of OIEau (IWO)</p> <p style="text-align: center;"><i>P. Berteaud, Directeur de l'Eau, MEDD, France : La réforme de la politique de l'eau en France : un projet global</i></p> <p style="text-align: center;">R. Conti, ICRC, Genève : Water emergencies in conflict situations</p> <p style="text-align: center;"><i>EADS-Astrium & GEO212 : La mobilisation européenne en faveur de l'environnement et de la sécurité - Le projet GMES et l'eau</i></p>		
15h30-16h00	Pause		
16h00-17h30	<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top; background-color: #e0f0ff;"> <p style="text-align: center;">Room 1</p> <p style="text-align: center;">EWRA Keynotes Session</p> <p style="text-align: center;">Convener : G. Tsakiris (EWRA)</p> <p style="text-align: center;">Invited conferences</p> <p>M. Benedini : Water quality models: present and future</p> <p>D. Prinz : Water and development: global challenges ahead</p> <p>M. Bonell : UNESCO HELP networking initiative</p> <p>D. A. Wilhite : Planning for Drought: Moving from Crisis Response to Risk Management</p> </td> <td style="width: 50%; vertical-align: top; background-color: #e0ffff;"> <p style="text-align: center;">Salle 2</p> <p style="text-align: center;">Conférences sur les Urgences de l'Eau (2)</p> <p style="text-align: center;">Présidence : J-F Donzier, OIE</p> <p style="text-align: center;"><i>T. Vandewelde, Ass. Waterforce-Waterdev : Les actions de Veolia Water (titre préliminaire)</i></p> <p style="text-align: center;"><i>J-F Donzier, OIE : L'EURO RIOB et la mise en oeuvre de la DCE</i></p> <p style="text-align: center;">Table ronde</p> <p style="text-align: center;"><i>Humanitaire, impacts climatiques, DCE et "Loi sur l'eau" (en Français)</i></p> </td> </tr> </table>	<p style="text-align: center;">Room 1</p> <p style="text-align: center;">EWRA Keynotes Session</p> <p style="text-align: center;">Convener : G. Tsakiris (EWRA)</p> <p style="text-align: center;">Invited conferences</p> <p>M. Benedini : Water quality models: present and future</p> <p>D. Prinz : Water and development: global challenges ahead</p> <p>M. Bonell : UNESCO HELP networking initiative</p> <p>D. A. Wilhite : Planning for Drought: Moving from Crisis Response to Risk Management</p>	<p style="text-align: center;">Salle 2</p> <p style="text-align: center;">Conférences sur les Urgences de l'Eau (2)</p> <p style="text-align: center;">Présidence : J-F Donzier, OIE</p> <p style="text-align: center;"><i>T. Vandewelde, Ass. Waterforce-Waterdev : Les actions de Veolia Water (titre préliminaire)</i></p> <p style="text-align: center;"><i>J-F Donzier, OIE : L'EURO RIOB et la mise en oeuvre de la DCE</i></p> <p style="text-align: center;">Table ronde</p> <p style="text-align: center;"><i>Humanitaire, impacts climatiques, DCE et "Loi sur l'eau" (en Français)</i></p>
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18h00-19h00	Reception Cocktail		

Papers Program

Programme des présentations

EWRA2005 – Thursday 8 September - Conferences				
9h00-10h30	Session E1 - Room1 <u>Integrated Water Management</u> (1)	Session E2 - Room2 <u>Water Quality Challenges</u> (1)	Session E3 - Room3 <u>GIS, Data Bases and Remote Sensing</u>	Session F1 - Salle4 <u>Impacts climatiques</u> (Climate Impacts)
10h30-11h30	Coffee <u>P1 - Poster Session</u>			
11h30-13h00	Session E4 - Room1 <u>Integrated Water Management</u> (2)	Session E5 - Room2 <u>Water quality challenges</u> (2)	Session E6 - Room3 <u>Advanced Research in Water Models</u> (1)	Session F2 - Salle4 <u>Information et Socioéconomie de l'eau</u> (Information and Water Socio-economics)
13h00-14h00	Lunch time			
14h00-15h30	Session E7 - Room1 <u>Integrated Water Management</u> (3)	Session E8 - Room2 <u>Groundwater Quality</u>	Session E9 - Room3 <u>Protecting the Water Environment</u>	Session F3 - Salle4 <u>Modèles de l'eau et aide à la décision</u> (Water Models)
15h30-16h30	Coffee <u>P2 - Poster Session</u>			
16h30-18h00	Session E10 - Room1 <u>EU WFD and Water Management</u>	Session E11 - Room2 <u>Decision Support Systems</u> (1)	Session E12 - Room3 <u>Groundwater</u>	Session F4 - Salle4 <u>Qualité de l'eau et environnement</u> (Water quality)
EWRA2005 – Friday 9 September - Conferences				
9h00-10h30	Session E13 - Room1 <u>Decision Support Systems</u> (2)	Session E14 - Room2 <u>Water Economics</u> (1)	Session E15 - Room3 <u>Climate Impact</u>	Session F5 - Salle4 <u>Gestion intégrée des problèmes de l'eau</u> (Integrated Water Management)
10h30-11h30	Coffee <u>P3 - Poster Session</u>			
11h30-13h00	Session E16 - Room1 <u>Advanced Research in Water Models</u> (2)	Session E17 - Room2 <u>Water Economics</u> (2)	Session E18 - Room3 <u>Drought Management</u>	Session F6 - Salle4 <u>Hydrologie et hydrogéologie</u> (Surface and ground waters)
13h00-14h00	Lunch time			
14h00-15h30	Session E19 - Room1 <u>Advanced Research in Water Models</u> (3)	Session E20 - Room2 <u>Water Economics</u> (3)		Session E22 - Room4 <u>Hydrology Parameters</u>
15h30-16h00	Coffee			
16h00-16h30	<u>P4 - Poster Session</u>			
16h30-18h00	Room 1 EWRA Closing Session - Convener : G. Tsakiris			
20h00 ->	EWRA2005 Dinner			
EWRA2005 – Saturday 9 September				



Technical Visit

9h00-12h30

Menton urban-embedded water treatment plant

Detailed List of Papers

Liste détaillée des articles

English	E1 - Integrated Water Management (1)
PAPER #	PAPER TITLE
EWRA178	Issues and responses in hydrology, environment, livelihood, policy in the São Francisco Verdadeiro river basin (Brazil) Chaves H. & S. Alipaz
EWRA180	Implementing equitable water allocation in transboundary catchments: the case of river Nestos-Mesta Kampragou E., E. Eleftheriadou & Y. Mylopoulos
EWRA177	Involving the community in water resource management: learning from action research in two New Zealand case studies Winstanley A., J. Foote & M. Hepi
EWRA189	Anticipating climate change: knowledge use in participatory flood management in the river Meuse Wesselink A. J., Reuber J. & M.S. Krol
EWRA048	Land use and aquatic ecosystem protection within an English lowland catchment: the Eye Brook Stoate C.
EWRA221	DSS application to the development of water management strategies in Ribeiras do Algarve River Basin Maia R. & Schumann A.H.

English	E2 - Water Quality Challenges (1)
PAPER #	PAPER TITLE
EWRA031B	Water fluxes and diffuse nitrate pollution at the river basin scale: interfaces for the coupling of agro-economic models with hydrologic models Wendland F., R. Kunkel, H. Bogen, H. Goemann & P. Kreins
EWRA126	Calculation of diffuse seepage loads of nitrogen in the upper Rhine valley using the Stoffbilanz model Gebel M., M. Kaiser, S. Korte, H. Lambrecht, M. Casper & M. Finck
EWRA138B	Safe drinking water in Rodrigues Proag V.
EWRA151	Integration of a detailed nitrogen balance model into a mesoscale water balance model for river water quality predictions Pohlert T., L. Breuer, J. A. Huisman & H.-G. Frede
EWRA144A	Evaluation of sampling strategies for estimating nutrient fluxes at the outlets of agricultural watersheds Birgand F., P. Bordenave, P. Saint-Cast, E. Le Saos & P. Serrand

English	E3 – GIS, Data Bases and Remote Sensing
PAPER #	PAPER TITLE
EWRA170A	The world hydrological cycle observing system (WHYCOS) Thébé B.
EWRA170B	The HYDROMET software Raous P., Thébé & J-P. Briquet
EWRA159	Management of regional aquifers water resources using a combined procedure based on geostatistics and GIS tools. (Haouz groundwater of Marrakech, Morocco) Sinan M. & M. Razack
EWRA125A	The Italian hydrologic GIS: the hydrografic network Monacelli G. & Piva F.
EWRA078	Assessing the impact of land use changes on surface runoff through remote sensing Mansouri R., H. Seridi & U. Tôger
EWRA022	Groundwater resource assessment in hard rock terrain using conventional, remote sensing and GIS approach: a case study in southern peripheral part of Ethiopia Adem K.

Français	F1 - Impacts climatiques
ARTICLE #	TITRE ARTICLE
EWRA058	Etude de la variabilité spatiale des précipitations: cas du bassin versant de l'oued Merguellil en Tunisie Jbeli M.H. & M. Barguaoui
EWRA081	Estimation et analyse des indices de sécheresse en Tunisie: application au bassin versant du barrage Lakhmess Bergaoui M. & Louati M. H.
EWRA063B	Réaffectation des eaux de ruissellement et efficacité technique de l'agriculture pluviale en zone aride. Cas du bassin versant d'Oued Oum Zessar, Tunisie Mahdhi N., Sghaier M. & Bachta M. S.
EWRA153	Confrontation de nappes et estimation des volumes d'eau mis en jeu dans dans une zone inondable Brunet R-C., K. Astin, R. Watts, C. Wood & P. Brunet
EWRA101	Le risque de pénurie en eau sur les petites îles de la côte ouest française, les îles du Ponant. Réflexion sur l'aléa climatique Chiron T.

English	P1 - Poster Session
PAPER #	PAPER TITLE
EWRA205	Continuous water monitoring on three coastal watersheds in Haute Normandie: an approach to integrated river basin management Lequien A., A. Durand & J-P. Dupont
EWRA188	GIS based decision support optimisation for a small community regional sanitation plan concerning low-cost & rustic waste water treatment systems Drakidés C., C. Dieulin & I.G. Del Campo
EWRA191A	ADES : A French national groundwater database. A national reference for groundwater resources and freely accessible tool for water management Chery L. & C. Thouin
EWRA142	The changes in water quality in the upper Oder river basin Absalon D. & M. Matysik
EWRA200	Contribution of remote sensing techniques in the detection of submarine springs in the NE Viotia-Central Evia area, Greece Rokos E., K. Markantonis & I. Koumantakis
EWRA220	CABRI-Volga : Cooperation Along a Big River: Institutional coordination among stakeholders for environmental risk management in the Volga basin Skoulikaris C. & J. Ganoulis
EWRA216	Collaborative work between Academics, NGO and Government institutions to improve water resources knowledge and sustainable management: Kaluvelly & Pondicherry sedimentary coastal basin, Tamil Nadu (India) Violette S., G. Boulicot, A. Vincent, P. Jorcin & G. de Marsily

English	E4 - Integrated Water Management (2)
PAPER #	PAPER TITLE
EWRA057	Integrated water cycle management. "An Australian Perspective" Khouri G.
EWRA093	Towards a new leadership for the local water policy in France? Grandgirard A.
EWRA060A	Sustainable water resources management in Pinios river and Karla basins, Thessaly Loukas A., N. Mylopoulos, L. Vasiliades, H. Tarnanas, J. Polykretis & A. Dimitriou
EWRA107	Transboundary water management & cooperation in Greece. The Axios river basin. Kolokytha E., Y. Mylopoulos & A. Karamintzios
EWRA163	Water delivery systems management - Lifesaving interventions evaluation Kanakoudis V.K. & I.K. Charavgis



English	E5 – Water quality challenges (2)
PAPER #	PAPER TITLE
EWRA020A	Distribution of organic micropollutants, suspended sediments and phosphates in the Speke gulf (Lake Victoria), Tanzania Rwatabula J., F. De Smedt, M. Rebhun & F. Mwanuzi
EWRA054	Soil and plant pollution in floodplains after the extreme Elbe flood 2002 in Germany Karsten G., C. Weber, A. Gröngröft, F. Krüger & R. Meißner
EWRA168	Total dissolved nitrogen and phosphorus in lake Qarun, a closed Egyptian basin feeding with contaminated agricultural drainage waters Massoud A. H. & E.I. Hemeda
EWRA014	Water quality of the Aliakmon River at Kozani Greece: results of a monitoring program Manoliadis O., K. Vatalis, G. Charalampides, V. Tschirintzis & G. Karantounias
EWRA218	Modelling the impact of river morphology on nitrogen retention. Uncertainty and scenario analysis Wagenschein D. & M. Rode
EWRA208A	Biomonitoring of freshwater quality in Scottish lochs using their aquatic flora composition Kathariou L. & T. Mimides

English	E6 - Advanced Research in Water models (1)
PAPER #	PAPER TITLE
EWRA132	Regional models for the evaluation of streamflow series in ungauged basins Cutore P., G. Cristaudo, A. Campisano, C. Modica, A. Cancelliere & G. Rossi
EWRA042	Comparative analysis of the hydrologic impact of land use change and subsidence in a urban environment Safiolea E. & P.B. Bedient
EWRA003	Contribution to the evaluation of some theoretical models, calculating hydraulic conductivity in unsaturated soils Bourazanis G. & P. Kerkides
EWRA111	Rainfall - runoff process simulation using the watershed modelling system (WMS) software Yannopoulos S., Katsi A. & D. Papamichail
EWRA059	Validation of a simple water balance model in Pinios river basin (Peloponnese, Greece) Giakoumakis S., N. Dercas & G. Karantounias



Français	F2- Information et Socio-économie de l'eau
ARTICLE #	TITRE ARTICLE
EWRA002	L'eau et agriculture Wicherek S.
EWRA047	Effizienz et obligation de résultats: quelles leçons tirer de la politique "points noirs" de l'Agence Seine Normandie menée de 1987 à 1991? Bouleau G. & Y. Lunet de la Jonquière
EWRA046B	Analyse de la demande de l'eau résidentielle en Tunisie. Une étude empirique par la technique de cointégration et des modèles à correction d'erreurs Boudhinaa R. & S. Khedhiri
EWRA083	Appui scientifique à la mise en oeuvre de la Directive Cadre sur l'Eau. Modèles d'extrapolation spatiale reliant les invertébrés (ibgn) à l'occupation du sol Villeneuve B., J-G. Wasson, H. Pella, N. Mengin & A. Chandesris

English	E7 - Integrated Water Management (3)
PAPER #	PAPER TITLE
EWRA148	Groundwater pollution policy design - challenges and unique needs Aron-Gilat A.
EWRA086	Small irrigation and sustainability of water resources (Andalusia, Spain) Cohen M. & Y. Luginbuhl
EWRA137	Combining state-of-the-art techniques for developing integrated water management scenarios in a lake catchment Elias D. & Z. Ierotheos
EWRA138A	Water resources management in Mauritius Proag V.
EWRA176	The hydrogeotechnical integrated system for water resources management of Attica - Greece Sachpazis C., O. Manoliadis, A. Baronos & C. Tsaprailli
EWRA056	A new approach for risk assessment of soil salinisation: a case study in Songnen plain, Northeast China Zhang G., W. Deng, Y.S. Yang & R.B. Salama

English	E8 – Groundwater Quality
PAPER #	PAPER TITLE
EWRA031A	A procedure to define the "good groundwater chemical status of groundwater bodies" in Germany Wendland F., Hannappel S., Kunkel R., Voigt H.J. & R. Wolter
EWRA201	Presentation of the BRIDGE project - Background criteria for the identification of groundwater thresholds Fouillac A.M., D. Mueller, P. Quevauviller, J. Griffioen, H. Pauwels, K. Hinsby, R. Brouwer & J. Grima
EWRA191B	Geochemical baseline of French groundwaters : State of the art and methodology Blum A., L. Chery & C. Thouin
EWRA072A	Groundwater quality in Slovenia assessed upon the results of national groundwater monitoring Krajnc M., M. Gacin, P. Krsnik, E. Sodja & A. Kolenc
EWRA197	Uranium and Radon in groundwater - An overview of the problem Skeppström K. & B. Olofsson
EWRA091	Impact of the industrial rejections on surface and groundwater on Annaba aquifer (Algeria) Azzedine H., L. Djabri, C. Lamouroux & S. Lallahem

English	E9– Protecting the water environment
PAPER #	PAPER TITLE
EWRA035	Salt removing species - an environmentally safe and clean technique to control salinity Neves M.A., M.G. Miguel, T. Panagopoulos & J. Beltrao
EWRA069A	Water resources exploitation-valorization in the context of environmental policies : the case of Smokovo's dam in Thessaly Koutseris E. & S. Polyzos
EWRA072B	Chemical status assessment of groundwater bodies in Slovenia Urbanc J., J. Prestor, M. Kranjc, M. D. Tehovnik & M. Gacin
EWRA077	Effect of natural remediation of river, private sewage system and sewage disposal plant on water quality of Yamato River, Central Japan Hiroyuki Ii, Masanobu T. & Tatemasa H.



Français	F3 - Modèles de l'eau et aide à la décision
ARTICLE #	TITRE ARTICLE
EWRA010	Contribution pour la modélisation numérique de la sédimentation d'une retenue de barrage en Algérie Bessenasse M. & A. Paquier
EWRA030	Approche par modélisation pour la connaissance régionale de la ressource en eau: application à la moitié Sud du territoire français. Folton N. & Lavabre J.
EWRA115	Utilisation d'indices de risque d'étiage dans l'élaboration de règles de gestion de retenue Chebchoub A. & Z. Bargaoui
EWRA144B	Application de la simulation et de la modélisation numérique à l'évaluation sur le long terme des effets des pratiques agricoles sur les flux et concentration d'azote dans l'eau et dans l'air à l'échelle de trois bassins versants d'élevage Bordenave P., F. Oehler, N. Turpin, T. Bioteau, P. Serrand, P. Saint-Cast & E. Le Saos
EWRA011	Etude de l'influence de l'effet de stockage sur le dimensionnement des ouvrages d'assainissement pluviales Ouerdachi L., H. Boutaghane, R. Mansouri & Kherici N.
EWRA112B	Détermination des zones inondables : application sur les plaines de la Soummam Benmamar S., S. Benziada, K. Ider, A. Kettab & M.K. Berrah

English	P2 - Poster Session
PAPER #	PAPER TITLE
EWRA016	The Jordan river basin: a chronicle of plans from the 1900s to date Khalaf A., S. Attili & D. Philipps
EWRA105	Altitudinal wet pastures: threats and conservation means; the case of Oukaimeden plateau (High Atlas Mountains, Morocco) Alaoui-Haroni S., M. Alifriqui & V. Simonneaux
EWRA064A	Soil erosion its environmental consequence in the Tecocomulco sub-basin, Central Mexico. Hernandez-Garcia G. & R. Huizar-Alvarez
EWRA118	The potential water resources of the Oricola plain Lauciani E. et al.
EWRA094	Hydrogeological study of "Fontanili": a particular kind of spring in the Po Plain (Northern Italy) De Luca D.A. & R. Ghione
EWRA129	Drinking and irrigation groundwater quality in Bulbule and Zway area (Ethiopia) Bonetto S., D.A. De Luca, M. Fornaro & M. Lasagna
EWRA066C	Aquifer role in reducing nitrate contamination by means of the dilution process De Luca D. A. & Lasagna M.
EWRA065	Pollution aspects of trace elements in citrus irrigation with wastewater Costa M., Guerrero C., Dionísio L., Beltrão J. & Brito J.
EWRA199	Large scale spatial-seasonal fluctuation of the microbiological parameters of Iskar river: oversight to water quality Topalova Y., I. Ribarova, Y. Todorova, P. Kalinkov, K. Kukurin, P. Ninov
EWRA211	Tarissements et prévision de l'étiage. Essai de prédétermination des paramètres de modèles conceptuels Gille E., C. Lang & François D.

English	E10 - EU WFD and Water Management
PAPER #	PAPER TITLE
EWRA141A	New methods for adaptive water management under uncertainty – The NeWater project Pahl-Wostl C., J. Möltgen, J. Sendzimir & P. Kabat
EWRA181	The evolution of the the water sector in Europe - an institutional analysis of possible scenarios Luis-Manso P., M. Finger & J. Allouche
EWRA210	Scientific tools for implementation of the EU Water Framework Directive Schumann A.H.
EWRA127A	Integrated assessment for setting up programmes of measures pursuant the WFD Petry D. et al.
EWRA127B	Institutional change in river basin management initiated by WFD implementation. A success story? A case study from the Elbe river basin Petry D.
EWRA095	Rhine-West : fitting a water system below sea level into the EU Water Framework Directive roadmap Rosbergen W.

English	E11 – Decision Support Systems (1)
PAPER #	PAPER TITLE
EWRA053	Effect of fuzzy aggregation operators in selecting best groundwater management strategy Kentel E. & M.M. Aral
EWRA174	Dynamic programming and nonlinear programming application in irrigation networks design Theocharis M., C. Tzimopoulos, S. Yannopoulos & M. Sakellariou-Makrantonaki
EWRA175	Application of internet-based support for improvement of multi-reservoir water/wastewater system operation Metzger M.
EWRA146	Using the fuzzy analytic hierarchy process method for selecting wastewater facilities at prefecture level Anagnostopoulos K.P., M. Gratziou & A.P. Vavatsikos
EWRA141B	A knowledge based planning and decision support tool for integrated water management (Flumagis) J. Möltgen

English	E12 – Groundwater
PAPER #	PAPER TITLE
EWRA066B	Deep groundwater resources individuation in Piedmonte plain (Northern Italy) Abatucci G., P. Clemente, A.D. De Luca, M. Lasagna & L. Masciocco
EWRA066A	Study of the interactions between surface water and groundwater with in situ tests Botta F., A.D. De Luca & M. Lasagna
EWRA160	Use of multivariate analysis to identify the global functioning of hydrosystems. Application of the Statis method and Hill & Smith analysis to a chalk karst aquifer of the Western Paris basin Fournier M., N. Massei, L. Dussart-Baptista, M. Bakalowicz, J. Rodet & J-P. Dupont
EWRA134	A study on salt intrusion in Grombalia plain in Cap Bon aquifer in the North of Tunisia Gaaloul N. & Rejeb M.N.

Français	F4 - Qualité de l'eau et environnement
ARTICLE #	TITRE ARTICLE
EWRA027B	Contribution à la recherche des procédés de traitement des eaux usées Rasoanandrasana E. et al.
EWRA089	Qualité des eaux des oueds et des nappes de l'est algérien: cas des wilayas de Annaba, Skikda, El-Tarf, Guelma, Souk-Ahras et Tebessa. Djabri L., A. Hani, Laouar R., Serradj T. & I. Guasmi
EWRA079C	Etudes comparatives des différents systèmes mécaniques impliqués dans la restauration des lacs et réservoirs Kettab A., M. Gafsi, S. Benmamar & S. Benziada
EWRA112C	Etude expérimentale des paramètres physico chimique de la pollution dans un canal Benziada S., S. Benmamar, J. Arrar, A. Kettab & M.K. Berrah
EWRA039	L'estimation de l'interaction entre la qualité du ruissellement, l'utilisation du sol et l'état de l'écosystème aquatique Assabina E.



English	E13 – Decision Support Systems (2)
PAPER #	PAPER TITLE
EWRA172C	Assessment of karstic interconnection between two adjacent watersheds using deterministic and fuzzy approaches Tsakiris G., M. Spiliotis & D. Tigkas
EWRA021	The effect of irrigation methods on growth and yield of fiber sorghum in central Greece Sakellariou-Makrantonaki M., D. Papalexis & N. Danalatos
EWRA157	Comparative calculation of optimal diameters in irrigation networks using the nonlinear programming optimization method and a simplified optimization method Karantounias G., A. Giannelos, Tzimopoulos C. & Sakellariou-Makrantonaki M.
EWRA212	Optimal groundwater remediation under uncertainty using multi-objective optimization Mantoglou A. & G. Kourakos
EWRA198	Multi-reservoir system optimization using chlorophyll-a trophic indexes Sechi G.M. & A. Sulis

English	E14 - Water Economics (1)
PAPER #	PAPER TITLE
EWRA202	Sustainability in Water Resources Management: Changes in meaning and perception Hermanowicz S. W.
EWRA140	Water demand and rates policy in provincial cities in Greece Gratziou M., M. Andreadaki & M. Tsalkatidou
EWRA204	Water pricing models: a survey Monteiro H.
EWRA184	Water demand management aspects in the residential sector. The city of Volos, Greece case study Vagiona D., N. Mylopoulos & C. Fafoutis
EWRA143	Strategy of the exploitation of a coastal water table in hydrous period stress: optimization of the energy cost. Hammar Y. Mansouri R. & K. Nafaa



English	E15 - Climate Impact
PAPER #	PAPER TITLE
EWRA069B	Climate and two-type torrential physiography: new interdisciplinary approaches and discussion of processes from "Mediterranean" environmental planning Koutseris E.
EWRA017	Relationship between Tropical Pacific and Indian Ocean sea surface temperature and monthly precipitation over the central highland of Vietnam Ngyuen T.D., C. Uvo & D. Rosbjerg
EWRA208B	Groundwater recharge, climatic and vegetation induced variations in the Balkan peninsula: the case of Struma-Strymonas river Mimides T., D. Dimitrov & L. Katahriou
EWRA060B	Response of drought to climate change in Thessaly, Greece Loukas A., L. Vasilaidis & J. Tzabiras

Français	F5 - Gestion intégrée des problèmes de l'eau
ARTICLE #	TITRE ARTICLE
EWRA024	Gestion de l'eau dans les pays arabes Zella L., D. Smadhi & A. Kettab
EWRA098	Une vision intégrale du bilan hydrique de la Tunisie : eau bleue, eau verte, eau virtuelle. Chahed J., A. Hamdane & M. Besbes
EWRA154	Ressources en eau en Algérie Halilat M.T. & Benhamida S.
EWRA150	La surexploitation des nappes phréatiques du Roussillon : un problème préoccupant Serrat P. & J-L. Lenoble
EWRA008	Stratégie de la gestion des ressources en eau à Tripoli (Liban) Halwani J. & Baroudi M.
EWRA183	La gestion durable des ressources en eau en agriculture Loucif Seiad N.

English	P3 - Poster Session
PAPER #	PAPER TITLE
EWRA027A	Contribution à la recherche des procédés de traitement des eaux usées de la ville de Majunga - Madagascar Rasoanandrasana E. et al.
EWRA196B	La Zone Atelier Bassin du Rhône (ZABR) : un observatoire pour les scientifiques et les acteurs opérationnels mobilisés sur la gestion durable des hydrosystèmes du Rhône Clemens A., D. Graillot, Perrin J-F. & Bravard J-P.
EWRA135B	Analyse de la variabilité du stock d'eau dans les petites retenues collinaires dans la région du Tell maritime Belhadj N., Mechrgui S., Mathlouthi A., N. Ben Haha M. N., Khlifi S. & Baccouche S.
EWRA172A	Naias - time integration of water development projects in strategic management Tsakiris G., B. Todorovic & H. Vangelis
EWRA214	Investigation and determination of the effective factors on sediment yield (Case study: Taleghan awtershed, Iran) Haydarabadi M. S., S. Feiznia & H. Ahamadi
EWRA185	Méthodologie analytique pour la détection de substances pharmaceutiques dans les eaux superficielles et les effluents de stations d'épuration Dagnac T., S. Bristeau, Amalric L. & C. Coton
EWRA203	Analyse des consommations et des pertes d'eau potable dans la région de Biskra (Sud algérien) Masmoudi R., A. Kettab & B. Brémond
EWRA207	Une base de données environnementales (Biche : Biologie Chimie Hydrologie pour l'étude des écosystèmes) Barbet D. & Perrin J-F.

English	E16 - Advanced Research in Water models (2)
PAPER #	PAPER TITLE
EWRA088	The feasibility of using FAO-56 model to estimate olive orchards evapotranspiration in semi arid region Er-Raki S., G. Chehbouni, N. Guemouria, J. Ezzahar, A. Chehbouni & R. Hadria
EWRA055	Time delay artificial neural network models for river flow routing Diamantopoulou M.J., P.E. Georgiou & D.M. Papamichail
EWRA173	Riverstrahler, SENEQUE and SENECAM : modelling tools for water resources management from regional to local scales Ruelland D. & G. Billen
EWRA090	Simulation of combined groundwater and surface water dynamics of iver floodplains Koch A., G. Meon & C. Leibundgut
EWRA215	EU-Project MoNit: Decision support system to assess the impact of actions and changing frameworks on the nitrate load in the Upper Rhine Valley. Models and scenarios Casper M. et al.
EWRA209	Objective intercomparison of water balance modeling in a small watersheds Dalezios N.R., A. Loukas, Vassiliades L. & E. Hondronikou

English	E17 - Water Economics (2)
PAPER #	PAPER TITLE
EWRA193	EVEC Project (Town Water and Field Water) : A French approach to mechanisms protecting potable water catchments menaced by agricultural pollution Bosc C., M. Bourblanc, Rinaudo J-D., A. Roussary & C. Viavattene
EWRA069C	Water as social and economic commodity: efficacy or conservation sustainability methods Koutseris E. & C. Papavassiliou
EWRA147	Simulating the economic impact of groundwater protection scenarios on the farming sector of the upper Rhine valley Rinaudo J-D., N. Graveline, S. Loubier & V. Segger
EWRA192	How to compare best agricultural management practices at the watershed scale? Laplana R. et al.
EWRA068	Analysis and optimization of cost-effectiveness of measures to minimise P input in river systems Bräuer I., H. Shbaita & M. Rode

English	E18 - Drought Management
PAPER #	PAPER TITLE
EWRA206	Linking drought indicators to policy. The case of the Tagus basin drought plan Garrote L., F. Flores & A. Iglesias
EWRA131	Methods for predicting drought occurrences Bordi I., K. Fraedrich, M. Petitta & A. Sutera
EWRA172B	Drought Assessment: Comparing RDI with SPI and deciles Tsakiris G. & D. Pangalou
EWRA162	Drought preparedness and monitoring: dealing with risk and climate change in the Mediterranean Iglesias A., L. Garotte, F. Flores & M. Moneo
EWRA120	Drought forecast through the standardized precipitation index (SPI) Cancelliere A., G. Di Mauro, B. Bonaccorso & G. Rossi



Français	F6 - Hydrologie et hydrogéologie
ARTICLE #	TITRE ARTICLE
EWRA169	Surveillance piézométrique transfrontière - Le système aquifère du Sahara septentrional Horriche F. & M. Besbes
EWRA217	Contribution au dimensionnement et à la fiabilité d'un bassin de dissipation Mouloudi Y. & Kettab A.
EWRA051	Possibilité d'accroissement des ressources en eaux par la recharge artificielle des nappes aquifères dans les régions semi arides : cas de la nappe alluviale Ain-Chabro-Tebessa (Est Algérien) Seghir K. & N. Kherici
EWRA038	L'envasement des barrages des régions semi-arides : quelques exemples algériens Remini B.
EWRA135A	Contribution à l'étude de la variabilité des apports hydriques des lacs collinaires : étude de cas dans la région de Jendouba (Nord de la Tunisie) Belhadj N. et al.

English	E19 - Advanced Research in Water Models (3)
PAPER #	PAPER TITLE
EWRA186	Assessing unrecoverable losses in water networks Chesneau O., Le Gat Y. & Bremond B.
EWRA145	3D modeling of river-groundwater interaction Nanou-Giannarou K., Stamou A.I. & Spanoudaki K.
EWRA067	A preliminary approach to integrate the main biogeochemical processes involved in the mobility of some toxic elements in a numerical river basin model A. Joubert A., Lucas L., Garrido F., Jauzein M., Joulain C., Vanbroekhoven K., Van Ro, S., Seuntjens P., Diels L., Baranger P.
EWRA164	Response of groundwater system to various stresses: the Milan area (Italy) Deangelis M-L.
EWRA196A	The "géorépertoire" of the Rhone Basin data : a hydro-socio-economical metadata web siterelating to the ZABR scientific programs and data Piatyszek E., D. Graillet, A. Tardy, J-F. Perrin & D. Barbet
EWRA061	Computation of sedimentgraph for a flood event V. Hrissanthou & E. Theodorakopoulos



English	E20 - Water Economics (3)
PAPER #	PAPER TITLE
EWRA023	Issues in water pricing Green C.
EWRA165	PPP's in medium scale water works in the renewable sources energy sector: the Greek experience Kanakoudis V., M. Podimata & A. Papatīs
EWRA117	Taking into account farmers' agricultural practices for evaluating the impact of climate change and socio-economic changes on irrigation water demand over a wide geographical area Maton L., D. Burger-Leehardt & J-E. Bergez
EWRA049	Water resources management in Bulgaria - Financial challenges and prospects of EU Water Framework Directive implementation Mochurova M.
EWRA219	Water crises and social management of risks in the Mediterranean Gana A. & J-P. Billaud

English	E22 – Hydrology Parameters
PAPER #	PAPER TITLE
EWRA050	Salinity effects on soils, water and vegetation in Zâafrane area (Algerian steppes domain) Maoui A., N. Kherici & H. Bousnoubra
EWRA087	Combining a large aperture scintillometer and aggregation model to derive area-averaged sensible and latent heat fluxes over two adjacent olive yards Ezzahar J., Chehbouni A.G., Hoedjes J.C.B., Chehbouni A, S. Er-Raki & R. Hadria
EWRA075	Monte Carlo approach for correcting the bottom reflectance effect in optically shallow inland waters Ibrahim A.N. & M. Mukarami
EWRA123	Estimation of actual evapotranspiration using satellite derived and ground measured fluxes Calcagno G., G. Mendicino, A. Senatore & Versace P.



English	P4 - Poster Session
PAPER #	PAPER TITLE
EWRA070	Prediction of Simiyu river (tributary Lake Victoria, Tanzania) discharges using Wetspa model, GIS and remote sensed land use data Rwetabula J. & F. De Smedt
EWRA121	New modelling tools for sewer leakage assessment and the validation at a real world test site Klinger J., L. Wolf & H. Hötzl
EWRA041	Analysis of droughts using the standardized precipitation index (SPI) in Karoon river basin Saravi M. M., Malekian A. & Safdari A. A.
EWRA044	The effect of physical and climatic parameters on peak flow (southern Alborz basins, Iran) Abasizadeh M., M. M. Saravi & A. Malekian
EWRA187	Geological and hydrogeological study in the Codana gypsum quarry (Piedmont, NW Italy): a survey to define environmental status and groundwater quality Bonetto S., Di Gennaro A., Di Bartolo S., C. Riccabone & I. Vanzo
EWRA119	Cyanobacteria in aquatic ecosystem : effects of microcystins on the aquatic plant lemna gibba Saqrane S., El Ghazali I., Oudra B. , Bouarab L. & El Hadrami I.
EWRA036B	Economical analysis model of catchment's area Cretu G., T. Bojin, M. Cretu & C. Nagy