



# Opening Program

## Programme d'ouverture

<b>EWRA2005 – Wednesday 7 September</b>			
<b>Water Emergencies</b>			
10h00-12h30	<b>Welcome – Registration of EWRA2005 participants</b>		
12h30-14h00	Lunch time		
14h00-15h30	<p style="text-align: center;">Plenary Session – Room 1</p> <p style="text-align: center;"><b>EWRA2005 Opening</b></p> <p style="text-align: center;"><b>Welcome message from the Mayor of Menton</b></p> <p style="text-align: center;"><b>Conferences on Water Emergencies</b></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 : <i>Water emergencies in conflict situations</i></p> <p style="text-align: center;"><i>EADS-Astrium &amp; 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;"><b>EWRA Keynotes Session</b></p> <p style="text-align: center;">Convener : G. Tsakiris (EWRA)</p> <p style="text-align: center;"><b>Invited conferences</b></p> <p>M. Benedini : <i>Water quality models: present and future</i></p> <p>D. Prinz : <i>Water and development: global challenges ahead</i></p> <p>M. Bonell : <i>UNESCO HELP networking initiative</i></p> <p>D. A. Wilhite : <i>Planning for Drought: Moving from Crisis Response to Risk Management</i></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;"><b>Conférences sur les Urgences de l'Eau (2)</b></p> <p style="text-align: center;">Présidence : J-F Donzier, OIE</p> <p><i>T. Vandewelde, Ass. Waterforce-Waterdev : Les actions de Veolia Water (titre préliminaire)</i></p> <p><i>J-F Donzier, OIE : L'EURO RIOB et la mise en oeuvre de la DCE</i></p> <p style="text-align: center;"><b>Table ronde</b></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;"><b>EWRA Keynotes Session</b></p> <p style="text-align: center;">Convener : G. Tsakiris (EWRA)</p> <p style="text-align: center;"><b>Invited conferences</b></p> <p>M. Benedini : <i>Water quality models: present and future</i></p> <p>D. Prinz : <i>Water and development: global challenges ahead</i></p> <p>M. Bonell : <i>UNESCO HELP networking initiative</i></p> <p>D. A. Wilhite : <i>Planning for Drought: Moving from Crisis Response to Risk Management</i></p>	<p style="text-align: center;">Salle 2</p> <p style="text-align: center;"><b>Conférences sur les Urgences de l'Eau (2)</b></p> <p style="text-align: center;">Présidence : J-F Donzier, OIE</p> <p><i>T. Vandewelde, Ass. Waterforce-Waterdev : Les actions de Veolia Water (titre préliminaire)</i></p> <p><i>J-F Donzier, OIE : L'EURO RIOB et la mise en oeuvre de la DCE</i></p> <p style="text-align: center;"><b>Table ronde</b></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

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



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

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

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

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

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

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



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

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



Français	F2- Information et Socio-économie de l'eau
ARTICLE #	TITRE ARTICLE
EWRA002	<b>L'eau et agriculture</b> Wicherek S.
EWRA047	<b>Effizienz et obligation de résultats: quelles leçons tirer de la politique "points noirs" de l'Agence Seine Normandie menée de 1987 à 1991?</b> Bouleau G. & Y. Lunet de la Jonquière
EWRA046B	<b>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</b> Boudhinaa R. & S. Khedhiri
EWRA083	<b>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</b> Villeneuve B., J-G. Wasson, H. Pella, N. Mengin & A. Chandesris

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



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

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





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

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

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

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

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

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



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

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



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

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

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

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

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

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



Français	F6 - Hydrologie et hydrogéologie
ARTICLE #	TITRE ARTICLE
EWRA169	<b>Surveillance piézométrique transfrontière - Le système aquifère du Sahara septentrional</b> Horriche F. & M. Besbes
EWRA217	<b>Contribution au dimensionnement et à la fiabilité d'un bassin de dissipation</b> Mouloudi Y. & Kettab A.
EWRA051	<b>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)</b> Seghir K. & N. Kherici
EWRA038	<b>L'envasement des barrages des régions semi-arides : quelques exemples algériens</b> Remini B.
EWRA135A	<b>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)</b> Belhadj N. et al.

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





English	E20 - Water Economics (3)
PAPER #	PAPER TITLE
EWRA023	<b>Issues in water pricing</b> Green C.
EWRA165	<b>PPP's in medium scale water works in the renewable sources energy sector: the Greek experience</b> Kanakoudis V., M. Podimata & A. Papatīs
EWRA117	<b>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</b> Maton L., D. Burger-Leehardt & J-E. Bergez
EWRA049	<b>Water resources management in Bulgaria - Financial challenges and prospects of EU Water Framework Directive implementation</b> Mochurova M.
EWRA219	<b>Water crises and social management of risks in the Mediterranean</b> Gana A. & J-P. Billaud

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



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