

FIRST ANNOUNCEMENT

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4th CONFERENCE
on
**WATER OBSERVATION AND INFORMATION SYSTEM
FOR DECISION SUPPORT**

25-29 May 2010
Ohrid, Republic of Macedonia

Email: secretariat@balwois.com

www.balwois.com/2010

Topics:

- Climate and hydrology
- Environment and human activities
- Water related risks
- Integrated water resources management
- Ecohydrology
- Computing & technologies

Organized by:

Balkan Institute for Water and Environment - IB2E
Meteorological Association of Republic of Macedonia
Faculty of Civil Engineering, St. Cyril and Methodius University, Skopje
University St. Kliment Ohridski, Bitola
Hydrobiological Institute of Ohrid

Patronized and supported by:

Prime Minister of Republic of Macedonia
Ministry of Environment and Physical Planning of R.Macedonia
Ministry of Ecology & Sustainable Development of France
International Association of Hydrological Sciences



with support of the
International Association of
Hydrological Sciences

Welcome to BALWOIS 2010

Following the great success of **BALWOIS Conferences** in **2004, 2006** and **2008** – all 840 proceedings online on www.balwois.com - we have the pleasure to let you know that the fourth International scientific conference **BALWOIS 2010** will be held in **Ohrid, Republic of Macedonia**, from **25th to 29th May 2010**, in Metropol Lake-Resort Hotel <http://www.metropol-ohrid.com> .

BALWOIS 2010 is organised by IB2E (Balkan Institute for Water and Environment), METEO-MAK (Macedonian association of meteorology), Faculty of Civil Engineering (Sts. Cyril and Methodius University, Skopje), University of Bitola and Hydrobiological Institute of Ohrid (Republic of Macedonia).

BALWOIS 2010 is supported by :

- Macedonian Ministry of Environment and Physical Planning,
- French Ministry of Ecology and Sustainable Environment and Planning
- French Embassy in Macedonia, and
- International Association of Hydrological Sciences (IAHS).

The main **objectives of BALWOIS 2010** are to provide at international and Balkan levels:

- a meeting that will further the progress of the knowledge in the fields of Scientific Research, Education, Policy and Development Activities and on all the Water related issues related to climate changes, hazards mitigation and water resources assessment, management and protection,
- an atmosphere to enhance the links between the providers and the end users of water related knowledge,
- a forum for free discussion of new ideas , research, development and applications, including techniques and methods to stimulate future works,
- opportunities for students and young researchers and engineers to meet their experienced peers and to stimulate them to join BALWOIS activities,
- an exhibition of current hardware and/or software in the field of water, and
- new knowledge through the publishing of high quality papers in www.balwois.com web site and through DVD bundle, books edition, etc.

The main **topics of BALWOIS 2010** are:

- | | |
|--------------------------------------|---|
| 1 - Climate and Hydrology | 4 - Integrated Water Resources Management |
| 2 - Environment and Human activities | 5 - Ecohydrology |
| 3 - Water related risks | 6 - Computing and technologies |

During this fourth BALWOIS Conference, specific attention will be dedicated to water related risks : floods, droughts, pollution, erosion, etc.

Ohrid is one of the most welcoming towns of Republic of Macedonia with a very significant cultural heritage. The location of the conference on the shore of Ohrid Lake- 358 km², several millions years old and surmounted by splendid Macedonian and Albanian mountains - is particularly well chosen to work on topics linked with climate change which already affects the balance of the Balkan lakes, protection of the biodiversity against increasing anthropogenic pressures and international shared waters.

Waiting for the pleasure to see you in Ohrid.

Marc Morell

BALWOIS Coordinator

Contact :

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Web site :

www.balwois.com/2010

SESSION B		25 May Tuesday
TOPIC 5 . ECOHYDROLOGY & HYDROBIOLOGY		
Chairpersons : Prof. Gordana Drazic and Phd Katarzyna Izydorczyk		Introduction
Introductive key note	Michel Lafont France	15:00 - 15:18
2010-396 DRIVERS OF WETLAND HYDROLOGY AT THE LANDSCAPE SCALE: IMPLICATIONS FOR BIODIVERSITY	Jarrod Kath Australia	15:20 - 15:28
2010-085 THE VERTICAL AND SEASONAL VARIATIONS OF TEMPERATURE AND DISSOLVED OXYGEN IN THE WATER OF STREZEVO RESERVOIR	Belinda Sipkoska-Gastarova Macedonia	15:30 - 15:38
2010-466 THE INFLUENCE OF ECOLOGICAL FACTORS LIKE RAINFALL, TEMPERATURE, MOISTURE FOR EVALUATING THE MILLIPEDE POPULATION IN THE SOUTHERN REGION OF ALBANIA	Hajdar Kicaj Albania	15:40 - 15:48
2010-488 HYDRODYNAMICS MODIFICATIONS AND THE FUNCTIONALITIES OF ECOSYSTEMS IN THE LOWER DANUBE CORRIDOR - THE SECTOR BETWEEN JIU AND OLT RIVER	George Clota Romania	15:50 - 15:58
2010-622 THE EFFECTS OF WATER RESOURCE ON RIPARIAN FOREST GROWTH	Emre Kuzugudenli Turkey	16:00 - 16:08
2010-748 HYDROLOGICAL ALTERATION AND ECOLOGICAL DEGRADATION OF WETLANDS IN THE HONGHE NATURE RESERVE IN THE SANJIANG PLAIN, CHINA	Luan Zhaoqing China	16:10 - 16:18
Discussion		16:20 - 16:28
cofee break		
Chairpersons : Phd Katarzyna Izydorczyk and Phd Jarrod Kath		16:30 - 16:50
2010-160 ECOREMEDIATION IN PROTECTED AREAS	Maja Miti Serbia	16:50 - 16:58
2010-238 RENATURATION, REHABILITATION AND ECOLOGICAL RECONSTRUCTION OF A CHANGED WATER COURSE BY ANTHROPICAL ACTIVITIES	Erika Beilicci Romania	17:00 - 17:08
2010-321 NITROGEN AND PHOSPHORUS AMOUNTS IN THE LEDAVA RIVER BEFORE AND AFTER ITS OUTFLOW INTO LAKE LEDAVA	Darijo Ilic Slovenia	17:10 - 17:18
2010-394 ECOHYDROLOGY OF DYNAMIC WETLANDS IN AN AUSTRALIAN AGRICULTURAL LANDSCAPE:A WHOLE OF SYSTEM APPROACH FOR UNDERSTANDING CLIMATE CHANGE IMPACTS	Jarrod Kath Australia	17:20 - 17:28
2010-012 ECOLOGICAL STATUS OF WETLAND	Georgi Zhelezov Bulgaria	17:30 - 17:38
2010-609 SPECIES ACTION PLAN FOR THE ENDEMIC PRESPA TROUT, SALMO PERISTERICUS: A CONSERVATION TOOL	Irene Koutseri Greece	17:40 - 17:48
Discussion		17:50 - 18:00
EXHIBITION		
DINNER		
		18:00 - 19:00
		20:30 - 22:00

BALWOIS 2010 - Organizing Committees

Scientific Committee :

- Tasks : Assessment of abstracts and papers, session reports
- President : Pierre Hubert (IAHS)
 - Vice-President :
 - Cvetanka Popovska, Faculty of Civil Engineering, University Ss Cyril et Methodius (Republic of Macedonia)
 - Dobri Dimitrov, INMH (Bulgaria)
 - Radu Drobot, UTCB (Romania)
 - Secretary : Marc Morell (BALWOIS Coordinator)
 - Jean-Jacques Aaron, Université Paris Est (France)
 - Ivan Blinkov, Faculty of Forestry, University Ss Cyril et Methodius (Republic of Macedonia)
 - Pascal Breil, CEMAGREF Lyon (France)
 - Snezana Efremova-Aaron, University Ss Cyril et Methodius (Republic of Macedonia)
 - Gregor Gregoric, Environmental Agency (Slovenia)
 - Ibrahim Gurer, Faculty of Engineering & Architecture, Gazi University (Turkey)
 - Iacovos Iacovides, IACO Ltd,expert (Cyprus)
 - Christos A. Karavitis, Agricultural University of Athens (Greece)
 - Dejan Lekic, Ministry of Environment (Serbia)
 - Szalai Sándor , Hungarian Meteorological Service (Hungary)
 - Agim Selenica, Polytechnic University (Albania)
 - Thierry Woignier, CNRS, IRD-Martinique (France)
 - Maciej Zalewski, University of Lodz (Poland)

International Coordinating Committee

- Tasks : Coordination, Information
- List of the International Coordinating Committee members :
 - Marc Morell (President, IB2E, France)
 - Ogjnen Bonacci, University of Split (Croatia)
 - Radu Drobot, UTCB (Romania)
 - Goce Kosteski, Hydrobiological Institute (Ohrid, Republic of Macedonia)
 - Luca Mitrovic, HMI (Montenegro)
 - Zoran Radic, University of Beograd (Serbia)
 - Minka Stoyanova, INMH (Bulgaria)
 - S. Tahirsylaj, HMI (Kosovo)
 - Z. Zoglev, University of Bitola (Republic of Macedonia)

Administrative and Technical Local Organizing Committee

- Tasks : Local organisation

- List of the Local Organizing Committee :

 - Olivija Morell (President, METEO-MAK)

 - Goce Kostaski, Hydrobiological Institute (Ohrid, Republic of Macedonia)

 - Vasko Stojov, Hydrometeorological Service (Republic of Macedonia)

BALWOIS 2010**Full Paper ordered by title****Corrected Review by Scientific Committee**

Topic	N°
Climate & Hydrology	1
Environment & Human Activities	2
Water Related Risks	3
IWRM	4
Ecohydrology / Hydrobiology	5
Computing & Technologies	6
Others	7

Oral = 1

Poster = 0

	Author	Institute	Country	Topic	Oral/oste
2010-001 ABILITY OF GCM TO SIMULATE WINTER PRECIPITATION AND TEMPERATURE IN IRAN	Sina Samadi Naghab	National Climate Center(NCC)-Climatology Research	Iran	6	1
2010-002 WATER QUALITY EVALUATION OF ALA RIVER AND SOME WELLS AND THE IMPACT ON AGRICULTURE IN AKURE ONDOSTATE NIGERIA	Oyebola Adebola Elemide	Federal College of Agriculture Akure Along Obaile Road Ondostate Niger	Nigeria	2	0

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2010-390 INFLUENCE OF HUMAN ACTIVITIES ON SUBMERGED VASCULAR MACROPHYTES ALONGSIDE CRN DRIM RIVER	Marina Talevska	Hydrobiological Institute	Macedonia	5	0
2010-391 ANTHROPOGENIC INFLUENCE ON ICHTHYOFAUNA AND MACROPHYTE DIVERSITY IN THE CRN DRIM ECOSYSTEM	Trajce Talevski	Hydrobiological Institute - Ohrid	Macedonia	5	0
2010-392 IMAGE COMPRESSION FOR WIRELESS OUTDOOR SENSOR NETWORKS	Indrit Enesi	Polytechnic University of Tirana	Albania	6	1
2010-393 WFD IMPLEMENTATION IN SERBIA: PRELIMINARY STUDY FOR ASSESSMENT THE PRESSURES AND IMPACTS IN KOLUBARA RIVER BASIN DISTRICT	Bozidar Stojanovic	Institute for Water resources development	Serbia	4	1
2010-394 ECOHYDROLOGY OF DYNAMIC WETLANDS IN AN AUSTRALIAN AGRICULTURAL LANDSCAPE:A WHOLE OF SYSTEM APPROACH FOR UNDERSTANDING CLIMATE CHANGE IMPACTS	Jarrod Kath	Australian Centre for Sustainable Catchments / Faculty of Sciences, University of Southern Queensland, Toowoomba	Australia	5	1
2010-396 DRIVERS OF WETLAND HYDROLOGY AT THE LANDSCAPE SCALE: IMPLICATIONS FOR BIODIVERSITY	Jarrod Kath	Australian Centre for Sustainable Catchments / Faculty of Sciences, University of Southern Queensland	Australia	5	1
2010-397 ENDANGERED GROUNDWATER QUALITY AT THE KUZMIN WELLS, KOSOVA	Albana Veseli	University of Prishtina	Kosovo	5	1
2010-398 ASSESSMENT OF HEAVY METAL POLLUTION IN IBER RIVER SEDIMENT, KOSOVA	Fatos Rexhepi	University of Prishtina	Kosovo	5	1