Water Observation and Information System for Balkan Countries

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www.balwois.net
The main objectives of the Project are:

- the implementation at Balkan scale of a **Water Observation and Information System** for Decision Support which collects and combines various data and information on the water cycle, on the water resources, on their natural environment and on their uses,

- the organization of **conferences, workshops**, scientific visits and training courses: for promoting a regional and multidisciplinary approach, for encouraging scientific exchanges between researchers from Balkan institutions and for improving their networking at global and European levels, and

- the dissemination of suitable, reliable and comprehensive **knowledge products to end-users** by using the newest information and communication technologies.

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SUMMARY

BALWOIS activities

- BALWOIS Network
- BALWOIS Information System
- BALWOIS Conferences

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• BALWOIS Conferences

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BALWOIS Partners

Experts and scientists from:
Hydrometeorological Institutes
Universities
Scientific Research Organisms
Decision-Makers
NGO
Private Companies
Wide Audience

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Scientific Issues

Water Observation and Information System

- **Fields:**
  - Water resources assessment, management and protection
  - Natural Hazards related to Water

- **Context:**
  - Impacts of climate and environment changes on water resources space-time variability
  - Preservation of the biodiversity facing the pollution of rivers and aquatic ecosystems
  - Transboundary shared waters

[Website: www.balwois.net]
Diversity of Aquatic Ecosystems In Balkans
BALWOIS Junior

Action in the Balkans for Students Training and Wide Audience Awareness

- Improvement of Information System
  - Collecting data and information
  - Stakeholders: Public and Private Institutions, Experts

- Organisation of BALWOIS 2006
  - Identification of potential participants
  - Management of the conference preparation

- Dissemination knowledge products to end-users
  - News from countries
  - Writing of synthesis reports on specific subjects

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BALWOIS activities

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Topics

Hydrology, Climatology, Hydrobiology, Ecology, Socio-economy…

1 - Climate and Environment
2 - Hydrological regimes and water balances
3 - Droughts and Floods
4 - Integrated Water Resources Management
5 - Water bodies protection and Ecohydrology
6 - Lakes and Wetlands
7 - Hydrological modelling
8 - Information systems for decision support

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Water Framework Directive In Macedonian Water Law

Stanislava Dedeva
PWME “Water Management of Macedonia”
Skopje, Republic of Macedonia
Biljana Puleka

Project “Strengthening of the capacity of the Ministry of Environment and Physical Planning, Skopje, Republic of Macedonia”

Abstract
This paper presents the harmonization of the Macedonian legislation in water sector with the Water Framework Directive (WFD) and other European water related directives. New version of Water Law has been drafted in order to transpose requirements from the relevant water management Directives. Currently, the Draft Law on Waters is in Parliamentary procedure (first reading). This paper focusses, basically on the EU WFD 2000/60 and its requirements regarding an integrated water resources management, especially in the context of the planning process, monitoring of the water bodies and water intended for use as well as the protection of waters from pollution. According to the Draft Law, there shall be River Basin Management Body, established for each river basin, as a main responsible body for integrated management of a river basin district. This paper also deals with the expected problems during the implementation of the new Water Draft Law, actually during the implementation of WFD.

Key-words: WFD, Draft Law on Water, Integrated Management, Planning, Monitoring, Protection

Introduction
One of the basic reasons for drafting of new legislation in the area of water management was the lack of integrated approach in the national regulatory system as well as the lack of de facto integrated water resources management on the territory of the Republic of Macedonia. Also, the competences as
BALWOIS Web site

Information system

Integrated water resources management

Files

Information system

Climate and Environment
Hydrological regime and Water balances
Droughts and Floods
Integrated water resources management
Water resources protection and Ecohydrology

Contact

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WebMap Application
Bezdan Streamflow Discharge - Daily

Data filling by calendar years

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- Full Set of Data

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- Date of first occurrence: 27/07/1997

Average

- Value: 2142.953

Minimum

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- Date of first occurrence: 03/10/1992

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Zone incitée
The group: Small islands – integrated water management, short time precipitation ....

Meteorological and Hydrological Service of Croatia

Janka Milković
Ohrid Lake Prespa Lake

695 m

850 m

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SUMMARY

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CONFERENCE
ON WATER OBSERVATION AND INFORMATION SYSTEM FOR DECISION SUPPORT
25-29 May 2004 Ohrid, Republic of Macedonia
www.balwois.org
Topics

1 - Climate and Environment
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At international and Balkan levels:

- To provide a meeting that will further the **progress of the works of the BALWOIS partners** in field of Scientific research, Education, Policy and Development Activities and of all the “Water community” at large,

- To provide a meeting that will stimulate growth and advance the **state of knowledge** in the field of climate changes, hazards mitigation and water resources assessment, management and protection,

- To provide a **forum for free discussion of new ideas**, research, development and applications, including techniques and methods to stimulate future works,

[www.balwois.org](http://www.balwois.org)
- To acquire or stimulate high quality papers for publication in BALWOIS web site and other appropriate publications, such as DVD bundle, books, etc.
- To provide an atmosphere to enhance the links between the providers and the end users of water related knowledge in specialized and loosely related fields.
- To provide an exhibition of current hardware and/or software in the field of water.
- To provide opportunities for students and young engineers to meet their experienced peers and to stimulate them to join BALWOIS activities.

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BALWOIS 2006 - Committees

- **Scientific Committee**:
  - President: Pierre Hubert (IAHS - France)
  - Assessment of abstracts and papers, session reports

- **Coordinating and Financial Committee**
  - President: Marc Morell (IRD - France)
  - Coordination, management, financial issues

- **International Organising Committee**
  - President: Vlado Spiridonov (HMS – Macedonia)
  - Contacts at national and international institutional levels

- **Local Organising Committee**
  - President: Goce Kostoski (HIO - Macedonia)
  - Local organisation

- **Administrative and Technical Committee**
  - President: Olivija Todorovik (METEO-MAK, Macedonia)
  - Administrative and technical support

[www.balwois.org](http://www.balwois.org)
On 23rd November 2005, 355 abstracts available on www.balwois.net have been received from 45 different countries, 248 (70%) are coming from the Balkans as following:

- Bulgaria 67
- Macedonia 43
- Serbia and Montenegro 41
- Romania 28
- Turkey 26
- Albania 13
- Croatia 12
- Greece 8
- Kosovo UNMIK 5
- Slovenia 4
- Bosnia and Herzegovina 1
BALWOIS 2006
Ohrd, Republic of Macedonia - 23, 26 May 2006

Conference on Water Observation and Information System for Decision Support

The International scientific conference BALWOIS 2006 will be held in:

Main documents: First announcement Instructions for support

NEWS from BALWOIS 2006 Conference:

Go on Information System of www.balwois.net and Display more than 250 abstracts...

Procedure:

1 - Login
2 - Information System / All
3 - Publications / Conference : BALWOIS 2006
4 - Click on the icon of the abstract you want to display

On 20 October 2005, 271 abstracts available on www.balwois.net have been received from 42 different countries, 189 are coming from the Balkans as following:

Bulgaria 47, Serbia and Montenegro 33, Romania 25, Macedonia 23, Turkey 21,
Albania 13, Croatia 11, Greece 6, Kosovo UNMIK 5, Slovenia 4, Bosnia and Herzegovina 1

You are on the BALWOIS 2006 Conference web site.
If you want to display the Balkan Water Observation and Information System see www.balwois.net
Videos of the expert’s interviews of BALWOIS 2004 are on www.balwois.net
Conclusion

Water Observation and Information System

Conferences / Workshops

Research / Development Projects

Cooperation platform

- to promote best practices in IWRM and DSS
- to shorten links researchers / end-users
- to improve the networking of partners at European & global levels

www.balwois.net
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Information system :  www.balwois.net

BALWOIS 2006 conference :  www.balwois.org