First Announcement and Call for Papers

First International Conference on
SUSTAINABLE WATERSHED MANAGEMENT

Istanbul, 19-23 September 2011

OBJECTIVE and SCOPE of the CONFERENCE SERIES

The overall objective of this Conference Series is to enhance and evaluate, at the global level, decision support tools and models for the sustainable use and development of watersheds. This objective will be accomplished by:

• integration of existing expertise and advancing knowledge,
• strengthening scientific and technological excellence,
• increasing scientific acceptability through publications,
• organizing training programs,
• establishing web-based platforms.

The series of Conferences will be structured to address these issues. Pre-conference courses will be offered to provide technical training for conference participants who are unfamiliar with tools for integrated watershed management.

The First Conference will provide participants with an opportunity to develop understanding and skills in advanced decision support tools and models for sustainable management of watersheds. Participants from all over the world will exchange knowledge on how to use advanced tools for assessment and decision-making that provide the ability to manage watersheds to balance economic and environmental considerations. Participants will benefit from applying the sustainable use and development models to minimize and mitigate anthropogenic effects on the natural capital of water resources, watersheds, and socioeconomic systems. This will lead to recommendations based on an “ecosystem approach” for decision-making directed at protection of human security and peace. Further, group sessions will result in the identification and harmonization of terms and principles of integrated watershed management as well as recommendations for application and implementation of sustainable use and development practices in developing countries.

On the whole the outcome will be sharing of knowledge, ensuring lasting integration of information and data, networking of experts and stakeholders across and throughout the participating countries, expanding use of scientific tools to promote sustainability on a watershed basis, and to spread sound watershed management practices worldwide.

WHY WATERSHEDS and DECISION SUPPORT TOOLS for MANAGEMENT

Watersheds come in all shapes and sizes, and they cross political and geographic boundaries. No matter where you are, you are in a watershed! Watersheds supply drinking water, provide recreation, and sustain life worldwide. Watersheds are rich in natural capital, producing goods (agriculture and fisheries products) and services (industry, energy, and technology) for broad geographic areas. In many countries, the base of watersheds, where rivers empty into large water bodies such as estuaries and oceans, are centers of society. These are typically densely populated areas that serve as concentrated centers of socioeconomic systems. They also are centers of domestic and international commerce and tourism, and often are where local, regional, and national governments are located. Watershed systems are highly vulnerable to threats to human security and peace.
Because we all live in a watershed, our individual actions can directly and indirectly affect it. The cumulative effects of all the individual actions of everyone within a watershed may be, and often are, devastating to the quality of water resources and affect the health of all living things.

Traditionally, water is managed by different geographical compartments (e.g., rivers, reservoirs, lakes, estuaries, groundwater) using specific tools for each compartment and often by different institutions or governmental entities. But management for sustained use of water and other ecosystem resources requires an integrated watershed-based approach. Watershed management is a broad issue that requires expertise from multiple disciplines including water quality and water quantity, transport of pollutants in the aquatic medium, aquatic chemistry and ecology, as well as social sciences, economics, and decision making. Multidisciplinary approaches are required, and groups of natural scientists, engineers, social scientists, and managers must collaborate to develop and implement recommendations for sustainable management of natural capital.

A watershed approach is the most effective framework to address today's water resource challenges. A watershed approach involves a coordinating framework for environmental management that focuses public and private sector efforts to address the highest priority problems within hydrological defined geographic areas, taking into consideration both natural and socioeconomic systems. Management tools for all the geographical compartments are coupled and used interactively. These integrated management systems provide information and results to all the stakeholders in the watershed and consequently stimulate collaboration and cooperation among competing users of the natural capital. In a framework of cooperation, it is easier to share knowledge, data, and working methods with the advantage being sustained use and development by stakeholders.

**THEMES OF THE CONFERENCE**

- **Good watershed management practices**: examples from various countries including climate change challenges and trans-boundary problems to be presented by invited key speakers

- **Decision support tools**: monitoring, GIS, data / information management, indicators, ecological economics, cost/benefit analysis, decision making models, legislation and policies, participatory methods / water user partnerships

- **Models**: integrated watershed model applications for watershed management

**ORGANIZERS**

Nachtnebel, BOKU University, Vienna, AUSTRIA
University of Oulu, FINLAND
Venice Research Consortium (CVR), ITALY
Coastal Research and Planning Institute, Klaipeda University, LITHUANIA
Instituto Superior Técnico, PORTUGAL
University of Bucharest, Dept of Ecology and Environmental Management, ROMANIA
Atlantic Branch of P.P.Shirshov Inst. of Oceanology, Kaliningrad, RUSSIA
University of Novi Sad, Faculty of Agriculture, SERBIA
University of Murcia, Department of Ecology and Hydrology, SPAIN
Istanbul Technical University, Dept of Environmental Engineering, TURKEY
IGEM Research & Consulting, TURKEY
Terwilliger Consulting, Inc., USA
SCIENTIFIC COMMITTEE

Alexander Gelfan, Water Problems Institute of Russian Academy of Sciences, Russia
Angheluta Vadineanu, University of Bucharest, Bucharest, Romania
Antonio Marcomini, CVR and Ca’Foscari University of Venice, Italy
Björn Klöve, University of Oulu, Finland
Bojan Srdjevic, University of Novi Sad, Serbia
Ethem Gonenc, IGEM Research & Consulting, Istanbul, Turkey
George Tsakiris, National Technical University of Athens, Greece
Hans-Peter Nachtnebel, BOKU University, Vienna, Austria
Johannes Sauer, Manchester University, UK
Jose Paulo de Azevedo, COPPE-UFRJ, Rio de Janeiro, Brazil
Karim Abbaspour, EAWAG, Zurich, Switzerland
Piet Groenendijk, Wageningen University and Research Centre, ALTERRA, The Netherlands
Raghavan Srinivasan, Texas A&M University, USA
Ramiro Neves, Instituto Superior Técnico, Lisboa, Portugal
Raymond Walton, WEST Consultants, Bellevue, USA
Rosemarie C. Russo, International QSAR Foundation, USA
Slobodan Simonovic, University of Western Ontario, Canada
Yvonilde Dantas Pinto Medeiros, Escola Politecnica, Salvador, Bahia, Brazil

ORGANISING COMMITTEE

Ethem Gonenc, IGEM Research & Consulting, Istanbul, Turkey (chair)
John P. Wolflin, IGEM Research & Consulting, Maryland, USA (co-chair)
Cigdem Guzel, IGEM Research & Consulting, Istanbul, Turkey (general secretary)
Ali Ertürk, Istanbul Technical University, Istanbul, Turkey
Alpaslan Ekdal, Istanbul Technical University, Istanbul, Turkey
Amir Aliyev, Azerbaijan State Marine Academy, Baku, Azerbaijan
Angel Pérez-Ruzafa, University of Murcia, Murcia, Spain
Arturas Razinkovas, Klaipeda University, Klaipeda, Lithuania
Atila Salvai, University of Novi Sad, Serbia
Bimyrzaa Toktoraliev, Osh Technology University, Osh, Kyrgyzstan
Boris Chubarenko, Atlantic Branch of P.P.Shirshov Inst. of Oceanology, Kaliningrad, RUSSIA
Brenda Rashleigh, USEPA, Athens, USA
Christos Karavitis, Agricultural University of Athens, Greece
Elena Semenzin, Consorzio Venezia Ricerche (CVR), Venice, Italy
Eugeniusz Andrulewicz, Sea Fisheries Institute (SFI), Gdynia, Poland
Georg Umgiesser, ISMAR-CNR, Italy
Jessica Califorso Salas, Kahublagan sang Panimalay Foundation, Iloilo City, Philippines
Karim Hilmi, Institut National de Recherche Halieutique (INRH), Casablanca, Morocco
Meliçe Gürel, Istanbul Technical University, Istanbul, Turkey
Nusret Karakaya, AIB University, Bolu, Turkey
Ordan Cukaliev, University Cyril and Methodius, Former Yugoslav Rep. Of Macedonia
Selmin Burak, IU, Institute of Marine Sciences and Management, Istanbul, Turkey
Sofia Gamito, IMAR-CMA, FCT University of Algarve, Portugal

MODERATORS of PANEL MEETINGS

Dursun Seker, ITU, Istanbul, Turkey
Eugeniusz Andrulewicz, SFI Gdynia, Poland
Hans-Peter Nachtnebel, BOKU University, Austria
John P. Wolflin, IGEM, USA
Karen Terwilliger, Terwilliger Consulting, Inc., USA
Raghavan Srinivasan, Texas A&M University, USA
Rebecca W. Hamner, USA
PRELIMINARY PROGRAMME

Pre-Conference Activities (12-17 September 2011)

Course: Modeling with SWAT, R. Srinivasan and K. Abbaspour
Course: Modeling with MOHID LAND, R. Neves and F. Braunschweig
Course: Modeling with MOHID WATER, R. Neves and L. Fernandes
Course: Modeling with WASP, R. Ambrose and A. Ekdal
Course: Theory & Practice of Hierarchical Decision Making, B. Srdjevic
Course: MODELKEY DSS: a decision support tool for river basin Assessment and Management, E. Semenzin and S. Gottardo
Course: GIS for Environmental Projects, D. Z. Şeker
Course: HEC-RAS, R. Walton

(daily program will be announced in the 2nd Announcement)

Tentative Conference Program (19-23 September 2011)

19 September: Integrated Watershed Management Practice (invited key-speakers)

20 September: Concurrent Sessions - one each on the basic conference themes – Decision Support - Tools and Models

21 September: Concurrent Sessions - one each on the basic conference themes – Decision Support - Tools and Models

22 September: Istanbul tour and Conference dinner

23 September: Panel meetings (concurrent meetings) Conference General Assembly meeting – conclusions and results

Post-conference Activities (24-30 September 2011)

Optional 3-5 days excursion to Ephesus, Troy or Cappadocia or Pamukkale (details will be announced in the 2nd Announcement)

SUBMISSION OF ABSTRACTS AND PAPERS

All interested contributors are invited to submit abstracts of oral or poster presentations. Abstract submissions must be sent to the Conference's secretariat by email <suwama2011.conference@igemportal.org> before 17 January 2011. Author should identify their intent of submitting an oral or poster presentation while online registration.

Abstracts of scientific or practical approaches will be reviewed by Conference Scientific Committee. After the approval of abstracts authors will have the opportunity to submit a full paper for publishing in a scientific journal (see instructions below). All oral and poster presentations must submit an abstract of 500 – 1000 words. Abstracts must be written in English with “times new roman 11 character” format. Abstracts will be published in the short Proceedings to be handed out at the conference.

Full paper submission for publication - Papers must be original and previously unpublished scientific research (maximum 6000 word manuscript) follows. Papers will be submitted for publication in the relevant scientific journal. Papers must be written in English according to the guidelines from the publisher, which will be distributed with the second Call / Announcement for this Conference. Note that all papers are subject to the peer review process.
If you plan to submit an abstract and a full-paper, please note the following schedule:

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abstract submission deadline</td>
<td>17 January 2011</td>
</tr>
<tr>
<td>Acceptance of submissions</td>
<td>15 March 2011</td>
</tr>
<tr>
<td>Draft program with the second Announcement</td>
<td>4 April 2011</td>
</tr>
<tr>
<td>Full paper submission deadline</td>
<td>24 June 2011</td>
</tr>
<tr>
<td>Final program</td>
<td>25 July 2011</td>
</tr>
</tbody>
</table>

REGISTRATION

All participants should register between November 8, 2010 and September 1, 2011, following instructions given at the conference website [http://igemportal.org/?Dil=1&SId=689](http://igemportal.org/?Dil=1&SId=689). Please note that number of participants will not be more than 300 and will be restricted by the organizing committee.

LANGUAGE

The language of the conference is English.

CONFERENCE VENUE

The Conference will be held in Hotel Artemis Marin Princess, Kumburgaz, Istanbul.

REGISTRATION FEES AND ACCOMMODATION

<table>
<thead>
<tr>
<th>Fee Description</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration fee of the conference</td>
<td>400 EUR</td>
</tr>
<tr>
<td>Early registration fee (by 15 March)</td>
<td>300 EUR</td>
</tr>
<tr>
<td>Reduced fees for young scientists (less than 30 years old) from developing countries</td>
<td>200 EUR</td>
</tr>
<tr>
<td>Reduced fees for students</td>
<td>200 EUR</td>
</tr>
<tr>
<td>Registration fee for each course for conference registered participants</td>
<td>150 EUR</td>
</tr>
<tr>
<td>Registration fees only for course participants</td>
<td>300 EUR</td>
</tr>
</tbody>
</table>

Conference registration fee includes proceeding of abstracts, welcome cocktail reception, Istanbul tour (except entrance to museums) and Conference dinner, coffee breaks and VAT (value added tax). The course fee only includes the participation in all lessons, the course material, which will be distributed during the course, VAT and coffee breaks. Please transfer the conference and course (if any) fee to:

YAPI ve KREDİ BANKASI, Çatalçeşme İstanbul Branch TURKEY
IGEM Account No. 0329 66893324 (EURO Account)
Swift: YAPITRISFEX IBAN: TR06000670100000066893324

after on-line registration. Please include your full contact details on bank debit slip and E-mail or fax this slip back to: suwama2011.conference@igemportal.org or +90 216 361 22 35.

Details about the accommodation and optional excursion will be presented in the second Announcement. Cost of accommodation will be around 75 EUR per day for single room including three meals (breakfast, lunch and dinner).

SECOND ANNOUNCEMENT
The second Announcement will appear at the conference webpage http://www.igemportal.org/?Dil=1&SID=689 on April 4, 2011.