

International Conference on New Water Culture of South East European Countries AQUA 2005

21–23 October 2005, Athens, Greece

<http://www.sec-fecs.org/aqua2005>

Water is the dominant element of life and a commodity of primary need for the survival of man and ecosystems. Speculation about water is intense on a worldwide level. Its shortage in several countries is one of the most alarming problems of the new millennium. It has reached scarcity limits, as pollution further reduces its suitability for everyday use and at the same time contributes to water resources deterioration. New technologies enable us to a great extent to effectively face the problem of pollution of water resources. Intense efforts are dedicated to implement innovations and better methods of managing and cleaning it. For this reason, it is important that they should be applied on a wider scale and at the same time their constant development be supported.

The aims of AQUA-2005 were:

1. To address the major issues of our time, such as constant dwindling of water resources, their rapidly increasing pollution, and the downgrading of potable water quality.
2. To emphasize the multiple risks, to analyze today's data and to recommend solutions for sustainable preservation of the quality and quantity of the water with emphasis given to countries of Southeastern Europe.
3. To demonstrate the importance of new technologies and innovations promoted by research, the way these are implemented in the field with the goal of relieving problems associated with water resources.
4. To demonstrate the shortage of ecological awareness that exists in societies nowadays and the need of substantial political will, for the protection of public health and the implementation of new industrial production rules.
5. To show the importance of cross-scientific methodology and collaboration in dealing with water related issues, which are objectively multi-dimensional, and to promote the communication among those who study, handle and deal with the issue of water resources.

The Conference covered a wide range of topics such as:

1. Water management and planning — sustainable water use
2. Waste water treatment and management
3. Residential water management
4. Water quality — drinking water
5. International problems — common water resources — transfrontier water pollution

6. Pollution control
7. Irrigation problems
8. Reservoirs and lakes
9. River basin management
10. Hydrological modeling
11. Flood risk
12. Decision support systems
13. Groundwater flow and remediation
14. Coastal and estuarial problems
15. Arid region problems
16. Corrosion and fouling in process waters
17. Water in environmental education

The conference addressed chemists, engineers, water technologists and other experts and professionals, from different countries who are involved with research and development of activities, in a wide range, regarding issues of water resources and management of water. It also addressed the competent state, communal, social and business carriers who are involved in these issues. The organization of the international conference together with the 2nd International Exhibition WATERTEC 2005, aimed, on the one hand to bring together fundamental scientific knowledge and applied technology and on the other to boost dissemination of scientific information and expansion of the possibility of free access of all citizens to knowledge. Thus everyone, citizens, producers, scientists, planners and researchers and also users of water technologies could become familiar with the themes of the conference in order to contribute towards the constant preservation of the quality and amount of water.

AQUA-2005 was organized by:

Association of Greek Chemists (AGC), Hellenic Republic
Society of Albanian Chemists (SAC), Albania
Union of Chemists in Bulgaria (UCB), Bulgaria
Pancyprian Union of Chemists (PUC), Cyprus
Society of Chemists and Technologists of Macedonia (SCTM), FYROM
Romanian Chemical Society (RCS), Romania
Serbian Chemical Society (SCS), Serbia and Montenegro
LEADEREXPO

AQUA-2005 took place under the aegis of:

Hellenic Ministry of Development

AQUA-2005 was sponsored by:

The Central Union of Municipalities and Communities of Greece
Supra-Prefecture of Athens and Piraeus, Greece
The Municipality of Athens
The Hellenic Committee of UNICEF
Athens Water Supply and Sewerage Company (EYDAP SA)
The Mediterranean Information Office for Environment, Culture and Sustainable Development (MIO-ECSDE)

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