

# SECOND INTERNATIONAL SYMPOSIUM ON WASTEWATER RECLAMATION AND REUSE



INTERNATIONAL ASSOCIATION ON WATER QUALITY

---

TO BE HELD IN IRAKLO, CRETE, GREECE  
OCTOBER 17 - 20, 1995

**First Announcement  
Call for Papers**

**SECOND INTERNATIONAL SYMPOSIUM ON  
WASTEWATER RECLAMATION AND REUSE**

**International Association on Water Quality (IAWQ)  
Specialist Group on  
Wastewater Reclamation, Recycling and Reuse**

**ORGANIZED BY**

1. IAWQ, Greek National Committee, Athens, Greece.
2. IAWQ, Cyprian National Committee, Nicosia, Cyprus.
3. Hellenic Municipal Enterprises for Water Supply and Sewerage, Larisa, Greece.
4. National Foundation for Agricultural Research, Athens, Greece.
5. National Technical University of Athens, Greece.
6. University of Crete, Rethymno, Greece.
7. Technical University of Crete, Chania, Greece.
8. Technical Chamber of Greece, Athens, Greece.
9. Development of Eastern and Western Crete Organizations, Iraklio and Chania, Greece.
10. Other Greek and Cyprian Institutions.

**TO BE HELD IN IRAKLIO (Island of Crete), GREECE  
OCTOBER 17-20, 1995**

**IRAKLIO, GREECE  
March 1993**

## **OBJECTIVES**

- To exchange information, experiences and achievements in water reuse.
- To evaluate currently applied technologies on reclamation and reuse of marginal waters.
- To assess the quality requirements of reclaimed waters for various uses in relation to public health and environmental considerations.
- To identify research and education needs for future implementation of water reuse.

## **MAIN SUBJECTS**

- Reuse of marginal waters with regard to water conservation and energy considerations.
- Reliability and costs of marginal water reclamation technologies with particular concern to require health and environmental quality criteria.
- Dual distribution systems and related safety monitoring and control measurements.
- Reuse of marginal waters for irrigation and aquaculture purposes.
- Groundwater recharge with marginal waters.
- Reuse of marginal waters for industrial purposes.
- Appropriate treatment technologies in the Mediterranean regions.
- Disinfection issues including alternative wastewater storage.
- Quality criteria and law, policies and institutions for marginal waters for various uses.
- Marginal water reuse and water resources management.
- Operational and maintenance problems and control.
- Evolution of marginal waters reclamation technologies.
- Research and education needs for future implementation and developments on water reuse.

## **THE PROGRAMME MAY INCLUDE**

- Four morning and four afternoon sessions.
- Seven invited presentations of 35 min each, one per main session including discussions.
- A key-note presentation and a 3-hour round table discussion on the status of water reuse in various countries (problems and perspectives).
- A dedicated time of posters presentation.

## **ORGANIZING COMMITTEE**

- Ass. Prof. A. Andreadakis, National Technic. Univ. of Athens, Greece.
- Dr. A. Angelakis, National Found. for Agricultural Research, Iraklio,

Greece.

- Mr. D. Archondis, Hellenic Mun. Enterprises for Water Supply and Sewerage, Larisa, Greece.
- Prof. T. Asano, Univ. of California, Davis, California, USA.
- Mr. G. Dialynas, Mun. Enterprise for Water Supply and Sewerage, Iraklio, Greece.
- Ass. Prof. E. Diamantopoulos, Technic. Univ. of Crete, Chania, Greece.
- Mr. I. Hadjivassilis, Hydrotech, Limassol, Cyprus.
- Mr. V. Liogas, Mun. Enterprise for Water Supply and Sewerage, Kavala, Greece.
- Dr. S. Paritsis, Development of Eastern Crete Organization, Iraklio, Greece.
- Assoc. Prof. E. Stefanou, Univ. of Crete, Iraklio, Greece.

## **PROGRAMME COMMITTEE**

- Dr. A. Angelakis, National Found. for Agricultural Research, Iraklio, Greece.
- Dr. A. Bahri, Min. de Agricult. Center de Rech. du Genie Rural, Tunisia.
- Mr. T. Benchokroun, Serv. de Exper., l' Hydr. Agricole, Rabat, Marocco.
- Dr. Rao Bhamidimarri, Dept. of Biotech., Massey Univ., Palmerston North, New Zealand.
- Dr. F. Croce, Studio Ambiente, Palermo, Italy.
- Dr. A. Erentok, ISKI, Inkilap Caddesi, Istanbul, Turkey.
- Prof. C. Gerba, Dept. of Microb., and Immunology, the Univ. of Arizona, Tucson, Arizona, USA.
- Prof. J. Ganoulis, Aristotle Univ. of Thessaloniki, Thessaloniki, Greece.
- Prof. F. El-Gohary, Water Pollut. Control Dept, National Res. Center, Cairo, Egypt.
- Mrs. M.H.F. Marcos do Monte, LNEC, Lisboa, Portugal.
- Prof. D. Monopolis, Dept. of Mining Eng., Technic. Univ. of Crete, Chania, Greece.
- Prof. U. Neis, Technic. Univ. of Hamburg-Harburg, Hamburg, Germany.
- Dr. M. Nikolaou, WTSA, Limassol, Cyprus.
- Mr. P. Odendaal, Water Res. Commission, Pretoria, South Africa.
- Prof. S. Ohgaki, Univ. of Tokyo, Tokyo, Japan.
- Prof. J. Schwartzbrod, Faculte de Farmacie, Dept. de Microb. , Univ. de Nancy, Nancy, France.
- Dr. B. Sheikh, Office of Water Reclam., City of Los Angeles, LA, USA.

## **SCIENTIFIC AND STEERING COMMITTEE**

- Dr. A. Angelakis, National Found. for Agricultural Research, Iraklio, Greece.
- Prof. T. Asano, Univ. of California, Davis, California, U.S.A.
- Dr. H. Bouwer, Water Conservation Laboratory, USDA-Agricul. Res. Service, Phoenix, Arizona, USA.
- Dr. J. Crook, Camp Dresser and McKee Inc., Cambridge, Massachusetts, USA.
- Prof. W.O.K. Grabow, Dept. of Medical Virology, Univ. of Pretoria, Pretoria, South Africa.
- Prof. G. Kallergis, Univ. of Patra, Patra, Greece.
- Prof. R. Mujeriego, Univ. Politecnica de Cataluna, Barcelona, Spain.
- Dr. Y. Papadopoulos, Agricult. Research Institute, Nicosia, Cyprus.
- Prof. M. B. Pescod, Univ. of Newcastle upon Tyne, Newcastle upon Tyne, UK.
- Prof. G. Shelef, Israel Institute of Technology, Haifa, Israel.
- Prof. G. Tchobanoglous, Univ. of California, Davis, California, USA.

## **PRELIMINARY SCHEDULE**

March 1993: First announcement / Call for papers  
June 1994: Submitting abstracts deadline  
February 1995: Submitting full papers deadline  
July 1995: Preregistration deadline  
October 1995: 2nd International Symposium on Wastewater Reclamation and Reuse, Iraklio, Greece.

## **SELECTING ABSTRACTS / PAPERS**

1. Abstracts and full papers must be submitted in standard IAWQ format. Papers on all aspects of advanced wastewater treatment and reclamation, recycling and reuse of marginal waters are encouraged. Abstracts and invited speakers will be selected by the Symposium Programme Committee. Full papers will be reviewed by the Programme Committee in cooperation with the Scientific Committee of the Symposium. The final selection of the papers to be presented will be based on the full papers. However, papers accepted for presentation at the Symposium have to fulfill the IAWQ standards.
2. Papers must be written in English, but may be orally presented in Greek. Simultaneous translation into English will be provided.

## **PROCEEDINGS**

Selected papers from the Symposium will be published in the IAWQ's

Water Science and Technology Series. Abstracts of oral and poster presentations and the invited state - of - the art papers will be pre-published and distributed at the Symposium.

## **EXHIBITS**

An exhibition of the latest information and equipment/instruments that companies and organizations have to offer in the advanced wastewater treatment and reuse of marginal waters fields and related disciplines will be organized. The variety of exhibitors includes constructing companies, instrument manufactures, book publishers, scientific societies, and programs sponsored by government agencies and international organizations.

## **LOCATION OF THE CONFERENCE**

The Second International Symposium on Wastewater Reclamation and Reuse will take place in a hotel and bungalows on the north shore of the island of Crete, outskirts of Iraklio city.

## **TRAVEL**

Iraklio can be reached from Athens by plane and from Peraeus by boat. During October, there are five flights and two boats daily. Also, Iraklio airport is connected to several European capitals by regular (Lufthansa) or charter flights. The air fare for round trip from Athens is approximately USD 170 and by boat approximately USD 70 (A' class). Please, reserve your domestic seats well in advance as October is still tourist season for Crete. From Iraklio airport to the hotel you may use bus or taxi.

## **CLIMATE**

The pleasant climate of Crete provides sunshine more than 3000h/year. In October the days are still warm (average high above 25° C or 77° F) while nights are slightly cooler.

## **ACCOMMODATION FEES**

There is a USD 300 registration fees. The accommodation expenses are USD 500 per person, for double occupancy and USD 600 per person, for single room. Same holds for accompanying persons. This amount includes hotels, breakfasts, lunches and dinners, gala dinner, special events, refreshment breaks, the Programme and the Book of Abstracts. Please send registration form with your check payment to "Reuse Secretariat" (Mrs. Sofia Tufexi), or deposit the exact amount to Account No 205-622966-2, National Bank of Greece, 25 August str., 712 02 Iraklio,

Greece.

Hotel reservation is guaranteed only if fees are received before July 31, 1995. Full refunds will be issued if we are notified at least 30 days prior to the start of the Symposium. Substitutions are permitted at any time.

## **TECHNICAL VISITS AND SOCIAL PROGRAMME**

Technical visits to practical applications of reclamation and reuse of marginal waters may be organized. Also, social programme is planned for delegates including welcoming reception, gala dinner and sightseeing tours, including visit to Knossos and the Arcaeological Museum.

In October 21 (and 22), 1995 the following one or two-day excursions will be organized:

1. Festos - Matala, one day USD 35
2. Chania, one day USD 45
3. Agios Nikolaos - Ierapetra one day USD 40
4. Santorini (Thera), two days USD 150

Fees include transportation by bus and/or boat and guide. For proper planning, please include fees for the post-Symposium excursions in your cheque or bank deposit.

## **LOCAL ORGANIZER**

1. The main local organizer will be: the Techn. Univ. of Crete, the Hellenic Municipal Enterprises for Water Supply and Sewerage and the National Foundation for Agricultural Research (Dr. A.N. Angelakis, member of the Administrative Boards of both HMEWSS and NFAR).
2. For more information regarding the Symposium, please contact:

Mrs. T. Furnaraki

Municipal Enterprise for Water Supply and Sewerage of Iraklio  
1 Vironos Str., 71202 IRAKLIO, GREECE.

Tel.: +30-81-229913, 225833

Fax.: +30-81-229991

or

Mrs. S. Tufexi

National Foundation for Agricultural Research  
Institute for Agricultural Research of Iraklio  
P.O. Box 1841, 71110 IRAKLIO, GREECE.  
Tel.: +30-81-245851, 245873  
Fax.: +30-81-245858.

# PRE-REGISTRATION FORM

## 2nd International Symposium on Wastewater Reclamation and Reuse

Please complete and return this form by airmail to the Secretariat of the Symposium **before 30 June 1994**

FIRST NAME.....

LAST (Family) NAME .....

MALE/FEMALE.....

POSITION/TITLE.....

INSTITUTION .....

ADDRESS .....

.....  
PHONE: ..... FAX: .....

Accompanying person(s):

- I will submit an Abstract and, if selected, will present it orally.
- I will submit an Abstract and if selected, will present a poster.

Title of the Abstract/Paper

.....  
.....  
.....

 Date ..... Signature .....



---

The 2nd International Symposium on Wastewater Reclamation and Reuse (IAWQ) will be held in the region, where the Minoan civilization, the most important civilization on Earth, was developed (2800-1150 B.C.). The principal centers of this era were Knossos, Gortys and Festos, 5, 55, and 60 km from the city of Iraklio, respectively. The traditional criteria for the selection of these places were the defense, the beauty of the site and the abundance of foods, and especially the adequacy of **water**.

