

PROGRAM OF THE CONFERENCE

Session No 1

Plenary Session

Monday 3rd of September 2001, morning, Theater

*Session Chairmen: Lalas D., Lekkas Th., Assimakopoulos Dem.,
Spyrellis N.*

- 8:30 a.m. **Registration**
- 9:30 a.m. **Conference opening**
- 11:00 a.m. **Lekkas T.D., Kolokythas G., Nikolaou A., Kostopoulou M., Kotrikla A., Gatidou G.,
Thomaidis N., Golfopoulos S., Makri Ch., Babos D., Vagi M., Stasinakis A., Petsas
A.**
Existence of Priority pollutants in Greek Surface waters and legal instruments for their
protection in compliance with 76/464/EEC Directive
- 11:30 a.m. **Break**
- 12:00 **Vlachos Ev.**
Transboundary hydro-diplomacy
- 12:30 p.m. **Papastavros C.**
Environmental Policy in Cyprus
- 2:00 p.m. **Lunch**

Session No 2

Subject: Water Uses

Monday 3rd of September 2001, afternoon, Room A

Session Chairmen: Stamou A., Xenos D., Lyberatos G.

- 5:30 p.m. **Makropoulos C.K., Butler D.**
Supporting Water Demand Management with Geographical Information Systems and Fuzzy
Logic
- 5:50 p.m. **Kontogianni A., Langford I.H., Papandreou A., Skourtos M.S.**
Social Preferences for improving water quality: an economic analysis of benefits from
wastewater treatment
- 6:10 p.m. **Xenos D., Karopoulos Ch., Parlis E.**
Modern Confrontation of the management of Athens' Water supply System
- 6:30 p.m. **Getimis P., Bithas K., Zikos D.**
Key Actors, Institutional Framework and Participatory Procedures, for the Sustainable Use
of Water in Attica-Basin
- 6:50 p.m. **Mallios Z., Latinopoulos P.**
Willingness to Pay for Irrigation Water: a Case Study in Chalkidiki, Greece
- 7:10 p.m. **Break**
- 7:30 p.m. **Andreadakis A., Gavalaki E., Mamais D., Tzimas A.**
Wastewater Reuse Criteria in Greece
- 7:50 p.m. **Andreadakis A., Mamais D., Gavalaki E., Kampylafka S.**
Sludge utilization in Agriculture: Possibilities and Prospects in Greece
- 8:10 p.m. **Panoras A., Evgenidis G., Bladenopoulou S., Melidis B., Doitsinis A., Samaras I.,
Zdragkas A., Matsi T.**
Corn Irrigation With Reclaimed Municipal Wastewater

Session No 3**Subject: Solid Waste****Monday 3rd of September 2001, afternoon, Room B****Session Chairmen: Skordillis A. , Diakoulaki D.**

- 5:30 p.m. **Varnavas S. P., Forstner U., Calmano W.**
Environmental Assessment and Human Health in a Highly Metal Polluted Coastal Zone Associated with Toxic Solid Waste. The Need of Immediate Remediation
- 5:50 p.m. **Latsa M., Zannis G., Founti M., Assimacopoulos D., Ampatzoglou G., Malami Ch.**
Evaluation of Technical and Economical Viability of the Industrial Co-operation of Aluminum Processing and Cement Industry Environmental Dimension of the Solution
- 6:10 p.m. **Aravossis K., Anagnostopoulos P., Kungolos A., Vliamos S.**
A new methodology approach for the technical - economical evaluation of alternative waste disposal methods by use of Multicriteria Analysis
- 6:30 p.m. **Ioannidis Th. A., Eleftheriadou P., Zouboulis A.I.**
Detoxification of a Highly Toxic Industrial Solid Waste Using Different Stabilization Methods - Comparison and Toxicity Control
- 6:50 p.m. **Dokas I.M., Karras D.A., Panagiotakopoulos D.C.**
Fuzzy Logic Applications in Solid Waste Management
- 7:10 p.m. **Break**
- 7:30 p.m. **Voice T.C., Park J-H., Zhao X.**
Effect of Sorbent and Organism on Bioavailability of Sorbed Organic Contaminants
- 7:50 p.m. **Salonikidou A., Karagiannidis A., Perkoulidis G., Moussiopoulos N.**
A high-spatial-resolution estimation of produced quantities of urban solid wastes
- 8:10 p.m. **Komnitsas K., Stouraiti C., Paspaliaris I.**
Sulfur removal from coal beneficiation wastes

Session No 4**Subject: Air Pollution****Tuesday 4th of September 2001, morning, Room A****Session Chairmen: Ziomas I., Helmis C.**

- 8:30 a.m. **Borrego C., Miranda A.I., Coutinho M., Costa A.M., Gomes P., Ribeiro C.**
The impact of road traffic on the urban air quality: a modelling and an experimental approach
- 8:50 a.m. **Kassomenos P.A., Lykoudis S.P.**
Contribution to the analysis and Completion of Air Pollutants' Time series
- 9:10 a.m. **Saisana M., Sarigiannis D., Chaloulakou A., Spyrellis N.**
Air Quality Monitoring Design: Optimization of PM_{2.5} Networks using Satellite observations
- 9:30 a.m. **Louka P., Vachon G., Sini J-F., Mestayer P.G., Rosant J-M.**
The importance of the effects of traffic induced turbulence and temperature difference of street sides on street-level pollution
- 9:50 a.m. **Assimakopoulos V.D., Apsimon H., Moussiopoulos N.**
Numerical Modelling of Dispersion of Atmospheric Pollution in and Above Urban Canopies
- 10:10 a.m. **Maraziotis E.A., Maramathas C.A., Marazioti C.E.**
Atmospheric aerosols and their content trace elements in Patras – Greece
- 10:30 a.m. **Helmis C.G., Flokas H.A., Kalogiros J., Asimakopoulos V.D.**
Background Measurements Related to Transboundary Air Pollution Over Greece
- 10:50 a.m. **Break**

- 11:10 a.m. **Asimakopoulos V.D., Flocas H.A., Helmis C.G., Vakakis-Koloutsou S., Petrakis M.**
Airborne measurements of ozone over the greater Athens area
- 11:30 a.m. **Kourtidis K., Zerefos C., Melas D.**
Regional Levels of Tropospheric Ozone over Eastern Mediterranean
- 11:50 a.m. **Sotiropoulou R.E.P., Pilinis C.**
Modeling of Photochemical Pollution in Athens, Greece - Application of the UAM-AERO and CALGRID Modeling Systems
- 12:10 p.m. **Tsilingiridis G., Zachariadis T., Samaras Z., Chantzaridou A.**
An emissions inventory for the city of Thessaloniki
- 12:30 p.m. **Economopoulou A.A., Economopoulos A.P.**
Fine Particulate Levels and Health Impacts in Athens Basin
- 12:50 p.m. **Karathanasis S., Katragou E., Kourtidis K., Ziomas I.**
Development, Evaluation and Application of a Two-Dimension Street Canyon Model
- 1:10 p.m. **Sindosi O.A., Katsoulis B.D., Bartzokas A.**
An Objective Assessment of the Relation Between Meteorological Parameters and the Main Air Pollutants in Athens on a Daily Basis
- 2:00 p.m. **Lunch**

Session No 5
Subject: Marine Pollution
Tuesday 4th of September 2001, morning, Room B
Session Chairmen: Karydis M., Skoullou M., Tsiros I.

- 8:30 a.m. **Stathopoulou E., Dassenakis M., Scoullou M.**
Levels of Mercury concentration in sediments of Saronikos Gulf
- 8:50 a.m. **Dassenakis M., Scoullou M., Rapti K., Pavlidou A., Tsorova D., Paraskevopoulou V., Rozi E., Stamateli A., Siganos M.**
The distribution of copper in Saronikos Gulf area after the operation of the wastewater treatment plant of Psitalia
- 9:10 a.m. **Dassenakis M., Scoullou M., Rapti K., Pavlidou A., Tsorova D., Paraskevopoulou V., Rozi E., Stamateli A., Siganos M.**
The distribution of copper in Saronikos Gulf area after the operation of the wastewater treatment plant of Psitalia
- 9:30 a.m. **Kungolos A., Hadjispyrou S., Samaras P., Petala M., Tsiridis V., Aravossis K., Sakellaropoulos G.P.**
Assessment of Toxicity and Bioaccumulation of organotin Compounds
- 9:50 a.m. **Hatzianestis I., Sklivagou E., Georgakopoulou E.**
Levels of Chlorinated Compounds in Marine Organisms from Greek Waters
- 10:10 a.m. **Catsiki V., Hatzianestis I., Stroglyoudi E., Belou O., Gogou M., Rigas F.**
Distribution of Metals & Organic Contaminants in Mussels from Thermaikos Gulf
- 10:30 a.m. **Albanis T.A., Konstantinou I.K., Sakkas V.A., Lambropoulou D.A.**
Concentration Levels of Antifouling Booster Biocides in Water and Sediments of Various Greek Marinas and Ports
- 10:50 a.m. **Break**
- 11:10 a.m. **Konstantinou I.K., Hela D.G., Lambropoulou D.A., Sakkas V.A., Albanis T.A.**
Comparison of Analytical Methods Based on SPE and SPME Techniques for the Determination of Antifouling Booster Biocides in Natural Waters
- 11:30 a.m. **Friligos N., Krasakopoulou E.**
Chemical Observations in the Seawater and Surface Sediments of the Aegean Sea
- 11:50 p.m. **Angelidis M.O., Gavriil A., Aloupi M.**
Trace metal distribution in core sediments and pore water from Kalloni Bay, Lesbos, Greece

- 12:10 p.m. **Karavoltzos S.C., Dasenakis M.I., Scoullou M.J.**
Zinc Speciation in the Elefsis Gulf and Piraeus. The role of the green Algae *Ulva Rigida*
- 12:30 p.m. **Sakkas V.A., Konstantinou I.K., Albanis T.A.**
Aquatic Photolysis of Antifouling Biocides
- 12:50 p.m. **Hatzichristofas F., Karydis M., Hatzopoulos J.**
Eutrophication assessment in the Aegean sea based on satellite data
- 2:00 p.m. **Lunch**

Session No 6
Subject: Environmental Management
Tuesday 4th of September 2001, afternoon, Room A
Session Chairmen: Panagiotakopoulos D., Mandaraka M.

- 5:00 p.m. **Panagiotakopoulos D.C.**
Economic and sustainability issues for municipal solid waste management systems
- 5:20 p.m. **Soulis K., Rizos S., Mimides Th., Kotsovinos N.**
A GIS application for the preliminary selection of small Hydroelectric power plants suitable sites
- 5:40 p.m. **Kavadakis G., Diakoulaki D.**
Cost-benefit analysis of biodiesel in Greece
- 6:00 p.m. **Evangelinou K.I., Kassinis G.I., Piperopoulou H.**
Environmental Management Systems Standards: Implications for companies, consumers and Governments
- 6:20 p.m. **Mandaraka M., Tsiboukakis H.**
Motives and Prerequisites for the Implementation of Occupational Health and Safety Management Systems (OHSMS) in Greek Manufacturing
- 6:40 p.m. **Konstantinidis P., Skordilis A., Kaldellis J.K.**
Recycling of Electrical and Electronic Waste in Greece: Possibilities and Prospects
- 7:00 p.m. **Break**
- 7:20 p.m. **Bithas C., Karaganis A., Kozyrakis G., Charalambous A.**
Sustainable Development Indicators for Greek local Authorities
- 7:40 p.m. **Venables R., Newton J., Venables J.**
Sustainable construction in the UK.: Making progress
- 8:00 p.m. **Samotokin B., Kolodnytsky M.**
Environmental Sciences in Relation to the Implication of Radiation Exposure in Health Care
- 8:20 p.m. **Nikolaou K., Basbas S., Toskas G.**
Environmental Evaluation Of Traffic Scenarios in a Congested Central City Area
- 8:40 p.m. **Tzimas A., Gavalaki E., Andreadakis A.**
Integrated wastewater management on a County basis
- 9:00 p.m. **Kotronarou A., Iacovidou K.**
Integrated Pollution Control, compliance and enforcement of EU Environmental Legislation to Industries (IPPC and non IPPC) of the food production/processing sector

Session No 7
Subject: Environmental Modeling
Tuesday 4th of September 2001, afternoon, Room B
Session Chairmen: N. Vlachos, Koukios

- 5:00 p.m. **Karapanagioti H.K., Burganos V.N.**
Volatile Contaminant Transport and Fate in the Vadose Zone: Modeling of Multicomponent mixtures

- 5:20 p.m. **Lekkas D.F., Baltas E., Onof C.**
River Flood Forecasting with a Transfer Function Model
- 5:40 p.m. **Stamou A.I., Kapetanaki M., Christodoulou G., Rajar R., Cetina M.**
Mathematical modeling of flow and pollution in marinas
- 6:00 p.m. **Stamou A.I., Katsiris I., Georgiadis S., Kanellopoulou S., Tzoumerkas F., Xenos D.**
Improving the efficiency of existing water process tanks using flow through curves (FTCs) and mathematical models
- 6:20 p.m. **Sokolov N.V.**
Control of Dispersion's Pollution in Condition of Imcomplete Information
- 6:40 p.m. **Palanathakumar B., Ferguson W.J.**
Migration of Landfill Gas: A Numerical Model
- 7:00 p.m. **Break**
- 7:20 p.m. **Vasiliades L., Loukas A., Valentine E., Dalezios N.R.**
Modelling of a Combined Sewer Overflow Using Hydroworks and Mouse Software Packages
- 7:40 p.m. **Zacharof A.I., Butler A.P.**
Stochastic Modelling of Landfill Leachate and Biogas Production Incorporating Waste Heterogeneity and Data Uncertainty
- 8:00 p.m. **Giokas D.L., Kim Y., Paraskevas P.A., Paleologos E.K., Lekkas T.D.**
Modeling Activated Sludge Dilution in Secondary Clarifiers. Application to the Prediction of Sludge Blanket Height
- 8:20 p.m. **Gournelos Th., Vassilopoulos A., Evelpidou N.**
An Erosion Risk Study on Samos Island, Based on Fuzzy Models, Taking into Consideration Landuse Situation after the fire of July 2000
- 8:40 p.m. **Arhonditsis G., Mantzavarakos E., Angelidis M., Giannouloupoulos P.**
Quantification of the Effects of Point and non-point Nutrient Sources in the Seawater Quality of the Argolikos Gulf

Session No 8
Subject: Ground Water Pollution - New Technologies and Trends
Tuesday 4th of September 2001, afternoon, Room C
Session Chairmen: Voudrias E., Diamantopoulos E.

- 5:00 p.m. **Gonzalez L.N., Gonzalez A., Tume P., Silva A.**
Hydrogeochemistry and Behaviour of Groundwater in the Rio Laja Basin, Bio - Bio Region, Chile
- 5:20 p.m. **Psarropoulou E., Karatzas G.P.**
Field Studies of Nitrate Mass Transfer in the Coastal Aquifer of Corinth, Greece
- 5:40 p.m. **Sabatini D.A., Childs J., Acosta E., Velmurugan, Harwell J.H., Scamehorn J., Kibbey T.**
Surfactant-Based Aqueous Systems for Subsurface Remediation, Drill Cuttings, and as Alternatives to Chlorinated Solvents
- 6:00 p.m. **Pliakas F., Diamantis I., Petalas C.**
Saline Water Intrusion and Groundwater Artificial Recharge in East Delta of Nestos River
- 6:20 p.m. **Koroneos C.J., Moussiopoulos N.**
Cryoplane - Hydrogen vs. Kerosene as Aircraft Fuel
- 6:40 p.m. **Mastral A.M., Garcia T., Callen M.S., Navarro M.V., Galban J.**
Phenantrene Abatement From Combustion Hot Gas
- 7:00 p.m. **Break**
- 7:20 p.m. **Poulopoulos S.G., Philippopoulos C.J.**
Comparison between methyl tertiary butyl ether and ethanol as oxygenate additives: The influence on the exhaust emissions

- 7:40 p.m. **Teas C., Kalligeros S., Zannikos F., Stournas S., Lois E., Avgerinos E., Koukios E.**
Oil Sorption by Natural Organic Materials derived from Agricultural byproducts
- 8:00 p.m. **Androutopoulos G.P., Hatzilyberis K.S.**
Electricity Generation and Atmospheric Pollution: The Role of Solid Fuels Gasification

Session No 9
Subject: Waste Water Treatment
Wednesday 5th of September 2001, morning, Room A
Session Chairmen: Andreadakis A., Grigoropoulou E.

- 8:30 a.m. **Stasinakis A.S., Mamais D., Vassalou A., Nakou E., Lekkas T.D.**
Effect of chromium(VI) on heterotrophic maximum specific growth rate (μ_m) in activated sludge systems
- 8:50 a.m. **Georgiou M., Gizgis N., Diamadopoulos E.**
Anaerobic treatment of primary domestic wastewater by means of a UASB Reactor followed by coagulation
- 9:10 a.m. **Marazioti C., Kornaros M., Lyberatos G.**
Kinetics of Denitrification by a Mixed Culture of *Pseudomonas Denitrificans* and *Bacillus Subtilis*
- 9:30 a.m. **Fillos J., Ramalingam K., Thomatos S., Gopalakrishnan K., Carrio L., Paradis E.**
Design of a BNR process: determination of specific nitrifier growth and decay rates in municipal wastewaters
- 9:50 a.m. **Noutsopoulos C., Mamais D., Andreadakis A.**
The effect of Environmental and Operational parameters on *Microthrix Parvicella* growth in biological nutrient removal activated sludge plants
- 10:10 a.m. **Dravillas K., Stamatelatu K., Lyberatos G.**
Solid Waste Treatment of Sludge from Alcohol Fermentation of Energetic Plants (Sweet Sorghum) Using Biological Methods
- 10:30 a.m. **Tawabini B.**
Treatment of Water Contaminated With DI-N-Butyl Phthalate by Photo-Fenton Process
- 10:50 a.m. **Break**
- 11:10 a.m. **Boukouvalas Ch., Louli V., Magoulas K.**
The application of the Supercritical Fluid Extraction in the removal of pollutants from wastewater: the case of phenol
- 11:30 a.m. **Xirokostas N., Korkolis A., Diamantopoulou L., Zarkathoula Th., Moutsatsou A.**
Characterisation of metal retention agents and study of their application in liquid wastes
- 11:50 a.m. **Iconomopoulou M., Becatorou A., Kanellaki M., Athanasiadis I., Kioseoglou V., Blekas G., Koutinas A.A., Paraskevopoulou A.**
SCP Production Using Kefir Yeast from Whey Liquid Effluent of Dairy Industry
- 12:10 p.m. **Voudrias E., Fytianos K., Bizani E.**
Removal of dyes from aqueous solutions and wastewaters by sorbent materials
- 12:30 p.m. **Saravanane R., Murthy D.V.S, Krishnaiah K.**
Bioaugmentation and Anaerobic Treatment of Pharmaceutical Effluent in a Fluidized Bed Reactor
- 12:50 p.m. **Correia A., Chambino T., Goncalves A., Ribeiro C., Bartolomeu F.**
Use of Solid Waste From Surface Treatment of Aluminium as Coagulant
- 1:10 p.m. **Hu W.C., Thayanithy K., Forster C.F.**
Kinetic Study of Anaerobic Digestion of Sulphate-Rich Wastewaters from Manufacturing Food Industries
- 2:00 p.m. **Lunch**

Session No 10**Subject: Environmental Impacts****Wednesday 5th of September 2001, morning, Room B****Session Chairmen: Moussiopoulos N., Sofoulis K., Tsoukali E.**

- 8:30 a.m. **Economides I.M., Pantidou A., Kalogerakis N.**
Bioaerosol Formation Near Wastewater Treatment Facilities
- 8:50 a.m. **Saitanis C., Karandinos M., Vlasi A., Katsaras D., Arapis G.**
Instrumental recording of ozone and other pollutants in the region of Mesogia of Attica.
Biomonitoring of ozone phytotoxicity
- 9:10 a.m. **Kaasik M., Ploompuu T., Soukand U., Kaasik H.**
The Impact of Long-Term Air Pollution to the Sensitive Natural Ecosystems: A Case Study
- 9:30 a.m. **Naszradi T., Balazs K., Koles P., Nemeth N.**
The polluting effect of heavy metals from vehicular traffic and heavy metal accumulation in soil of infiltration area along a public road in Hungary
- 9:50 a.m. **Mansuroglou S., Ortacesme V.**
Impacts of Motorways on Agricultural Lands. The case of Anatolian (Instabul-Ankara) motorway
- 10:10 a.m. **Chaloulakou A., Kassomenos P., Grivas G., Manalis N., Spyrellis N.**
On the PM₁₀/PM_{2.5} episodes in Athens during Summer 2000
- 10:30 a.m. **Karmaus W.J.J., Dimitrov P.S., Wade D.R.**
Arsenic in Drinking Water - Exposure and a Clinical Survey, in Huron County, Michigan
- 10:50 a.m. **Break**
- 11:10 a.m. **Lolova D., Uzunova E., Babikian A., Koleva Ts.**
Study of Indoor-Outdoor Air Quality in Some Regions in Bulgaria
- 11:30 a.m. **Karmaus W., Dimitrov P., Kruse H., Osius N., Witten J.**
Exposure to Heavy Metals and their Effect on Immunoglobulin Levels in Children
- 11:50 a.m. **Gratziou Ch., Katsouyanni K., Gratziou M., Manalis N., Kalandidi A., Roussos Ch.**
Air Pollution Short Term Effects on Respiratory Health of Children Living in Athens
- 12:10 p.m. **Mastrantoni J., Spyropoulos G., Tsani - Bazaca E.**
Assessment of Risks to Health and the Environment from Cd in Fertilizers for Greece
- 12:30 p.m. **Chaloulakou A., Mavroidis I., Spyrellis N.**
A Comparison of Indoor and Outdoor Carbon Monoxide Concentration Levels at a Public School in Athens. Application of a Statistical Prediction Tool
- 12:50 p.m. **Long D.T., Icopini G., Ganev V., Petropoulos E., Havezov I., Voice T., Chou K., Spassov A., Stein A.**
Geochemical Fingerprinting and the Etiology of Balkan Endemic Nephropathy in the Bulgarian Environment
- 2:00 p.m. **Lunch**

Session No 11
Subject: Water Quality
Wednesday 5th of September 2001, afternoon, Room A
Session Chairmen: Kouimtzis Th., Albanis T.

- 5:30 p.m. **Inglezakis V.J., Loizidou M.D., Grigoropoulou H.P.**
Pretreatment of Clinoptilolite in Ion Exchange Packed Beds
- 5:50 p.m. **Jodlowski A.**
Algae Removal From Eutrophic Waters by Dissolved-Air Flotation
- 6:10 p.m. **Vlatsiotou F., Makri E., Tsirtsis G.**
A modeling approach to the quantification of sediment-water column interactions in aquatic microcosms
- 6:30 p.m. **Kokkalis E., Voutsas D., Queralt I., Cortes A., Samara C., Kouimtzis Th.**
The Effect of Suspended Matter on River Water Quality. A case study: Axios River
- 6:50 p.m. **Break**
- 7:10 p.m. **Gregoriadou A., Delidou K., Dermosonoglou D., Tsoumparis P., Edipidi C., Katsougiannopoulos B.**
Heavy metals in drinking water in Thessaloniki area, Greece
- 7:20 p.m. **Golfinopoulos S.K., Nikolaou A.D., Lekkas T.D.**
Disinfection by-Products in the drinking Water of Athens
- 9:30 p.m. **Official Dinner**

Session No 12
Subject: Ecosystems
Wednesday 5th of September 2001, afternoon, Room B
Session Chairmen: Hadjibiros K., Margaris N., Karandinos M.

- 5:00 p.m. **Hadjibiros K., Kyritsis E.**
Sustainable Islands Network: a Perspective of Sustainability or a Dead End Development
- 5:20 p.m. **Zervos N., Tassin B., Vincon-Leite B., Hadjibiros K.**
Mathematical Simulation of Biological Activity in Lake Bourget (France)
- 5:40 p.m. **Nakos G., Michopoulos P., Baloutsos G., Economou A.**
Deposition and Streamwater Characteristics in Three Forested Experimental Watersheds in Greece
- 6:00 p.m. **Papajannopoulos A.**
Ecological Catastrophes as a Cyclic Phenomenon of Thermodynamics and Symmetry Mathematics
- 6:20 p.m. **Break**
- 6:40 p.m. **Exadactylos A.K., Rigby M.J., Troumbis A.Y., Thorpe J.P.**
Developing a Conservation Strategy Using Genetic Diversity Between Hatchery Stocks and Natural Populations of Turbot (*Scophthalmus maximus L.*)
- 7:00 p.m. **Toth P., Kristof D., Szemethy L.**
Red deer habitat preferences based on forestry map database and optical satellite imagery
- 7:20 p.m. **Margaris N.S., Haintouti K., Mastrogiannis A., Cainadas E., Theodorakakis M., Galogiannis K., Doikos P.**
Examination of the Soil Parameters affecting Vegetation Growth in the Ano Liosia Waste Disposal Site
- 7:40 p.m. **Tsitsoni T.**
Restoration of High Degraded Forest Ecosystems in Sithonia Chalkidiki, North Greece
- 9:30 p.m. **Official Dinner**

Session No 13**Subject: Climate Change-Emerging Challenges****Thursday 6th of September 2001, morning, Theater****Session Chairmen: Lalas D., Lekkas Th., Assimakopoulos Dion.,
Vlachos Ev.**

- 8:30 a.m. **Mirasgedis S., Sarafidis Y., Georgopoulou E., Adamopoulou N., Lalas P.D.**
Evolution of Baseline Energy Consumption and Energy related CO₂ Emissions in Greece on the Basis of Alternative Energy Prices Scenarios
- 8:50 a.m. **Michopoulos K., Theoharatos G., Asimakopoulos D.**
The impact of etesian winds on the effective temperature index in Athens
- 9:10 a.m. **Hontou V., Diakoulaki D.**
A multicriteria approach to burden sharing among industrial branches for combating climate change
- 9:30 a.m. **Sarafidis Y., Mirasgedis S., Georgopoulou E.**
Economic Evaluation of CO₂ Emission Abatement Measures in the Greek Energy Sector
- 9:50 a.m. **Feidas H., Lalas D.**
Climatic Changes in Mediterranean and Greece: a critical review
- 10:10 a.m. **Break**
- 10:30 a.m. **Mimides Th., Karakatsoulis P., Rizos S., Soulis K.**
New Perspectives in the management of water resources. The case of Tranboundary hydrological basin of Strymonas/Struma River between Greece and Bulgaria
- 10:50 a.m. **Dimitriou A.**
Environmental Education and Awareness as Prerequisite for Sustainable Development
- 11:10 a.m. **Bili V., Ntalakou V.**
The Administrative dimension in Greek Environmental Policy: Institutional Experience and mediating contribution of the Greek Ombudsman
- 11:30 a.m. **Dimitrakopoulos Th.I.**
Environmental Pollution and Health
- 11:50 a.m. **Goulas G., Arampatzis G., Kiranoudis C.T., Scaloubacas P., Assimacopoulos D.**
Evaluation of transport policies in Athens
- 12:10 p.m. **Break**
- 12:30 p.m. **Discussion – Round Table**
Rapporteur: E. Vlachos

Poster presentations**Monday, 3rd of September 2001, afternoon****Water uses****Sakellariou - Makrantonaki M., Kalfountzos D., Vyrlas P.**

Irrigation Water Saving and Yield Increase with Subsurface Drip Irrigation

Waste water treatment I**Jamrah A.I., Abu-Tarbush M.**

Enhancing Biological Treatment of Textile Wastewater Using Powdered Activated Carbon

Loukidou M.X., Matis K.A., Zouboulis A.I.

Removal of Arsenic from Contaminated Dilute Aqueous Solutions by Biosorption

Matsis V., Grigoropoulou E.

Odor Emission in a Small Wastewater Treatment Plant

Papadopoulos A., Parissopoulos G., Papadopoulos F., Karteris A.

Variations of COD/BOD₅ Ratio at Different Units of a Wastewater Stabilization Pond Pilot Treatment Facility

Papavasilopoulos E.N., Markantonatos P.G.

Managing Organic Polymers in the Mechanical Dewatering of Sludges

Petala M., Albanis T.A., Samaras P., Kungolos A., Sakellaropoulos G.P.

The Use of Jar Tests for the Determination of Coagulation Conditions of a Secondary Effluent

Prochaska C.A., Zouboulis A.I., Solozhenkin P.M.

Removal of Metal (Cadmium and Zinc) by Galvanochemical Treatment

Solid Waste

Katsikaris K., Voutsas E., Stamataki S., Magoulas K.

Development of recycling process for used ferrous-nickel slag as abrasive material in sandblasting operations

Koliopoulos T.C., Skordilis A.

Risk Analysis of Landfill Design Response to seismic Loading

Pretz T., Nikou N., Kontos Ch.

The Effects of the European Directives 94/62/EC and 99/31/EC to the waste management sector in Greece

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Tuesday, 4th of September 2001, morning

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Tuesday, 4th of September 2001, afternoon

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Wednesday, 5th of September 2001, morning

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Wednesday, 5th of September 2001, afternoon

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Modeling Vegetation Exposure to Organic Compounds: the Importance of Atmosphere-Canopy Exchange Parameterization

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