

PRODIM is a transnational cooperation project, which aims at formulating a methodological framework to confront drought and water shortage based on proactive planning. This is materialized through the following steps:

- a) identification of areas under high water scarcity risk
- b) building of a knowledge based system for estimation of anticipated impacts of water shortage
- c) preparation of both a strategic water shortage preparedness plan and an emergency plan.

Case studies from Greece, Italy, Cyprus and Malta have been examined, in order to validate and customize the proposed plans.

Partners

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| 1 | Centre for the Assessment of Natural Hazards, N.T.U.A. (Lead Partner) | Athens, GREECE |
| 2 | Prefecture of Cyclades | Syros, GREECE |
| 3 | Eastern Crete Develop,emt Org. | Crete, GREECE |
| 4 | University of Thessaly | Volos, GREECE |
| 5 | Cyprus Meteorological Service | Larnaca, CYPRUS |
| 6 | Malta Resources Authority | Marsa, MALTA |
| 7 | Prefecture of Laconia | Laconia, GREECE |
| 8 | Catania University, Dep of Civil and Environmental Engineering | Catania, ITALY |
| 9 | University of Calabria, Dep. of Soil Defence | Calabria, ITALY |
| 10 | Regional Agency for Environment Protection of Basilicata, ARPAB | Basilicata, ITALY |
| 11 | Presidency of the Sicilian Region, Hydrographic Regional Office | Palermo, ITALY |

Scientific Committee

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|----------------|--------|
| G. Tsakiris | Greece |
| G. Rossi | Italy |
| A. Cancelliere | Italy |
| S. Michaelides | Cyprus |
| J. Mangion | Malta |
| N. Dalezios | Greece |
| S. Paritsis | Greece |
| G. Mendicino | Italy |
| T. Vega | Italy |

Organizing Committee

- | |
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| G. Tsakiris |
| D. Rigopoulos |
| M. Antaki |
| H. Vangelis |
| D. Tigkas |
| D. Pangalou |
| C. Mitsiani |

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CENTRE FOR THE ASSESSMENT OF NATURAL HAZARDS & PROACTIVE PLANNING

INTERNATIONAL SYMPOSIUM Water Shortage Management

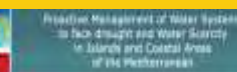
Friday, 20 June 2008

ATEXcelixis Conference Centre
El. Venizelou 154 & Romylias
Kastri-N.Erythraia, Athens

www.ntua.gr/hazard



The Symposium is organized within the framework of PRODIM project which is financed by the INTERREG III B / ARCHIMED programme.



Scope of the Symposium

The Symposium aims at disseminating the results of the European Project '*Proactive management of water systems to face drought and water scarcity in islands and coastal areas of the Mediterranean*' convened in the framework of INTERREG IIIB / ARCHIMED, to a wider audience including decision makers, stakeholders and the public.

The main conclusions derived address the issues:

- drought severity assessment
- impacts to water resources availability and demand
- formulation of effective mechanisms to face drought and water shortage
- formulation of preparedness and emergency plans
- stakeholders and public participation in decision making

The **Centre for the Assessment of Natural Hazards and Proactive Planning (CANAH)** was established in 2004 within the School of Rural and Surveying Engineering of the National Technical University of Athens.

The objective of the Centre is multiple:

- To conduct advanced research in the area of natural or man induced hazards
- To assist the State on similar topics by promoting proactive planning
- To increase the awareness of the public on natural risks and their management

The Centre aims at establishing a new forum where advanced scientific knowledge, fertile discussions and new productive ideas will be exchanged aiming at developing innovative methodologies and policies for combating natural hazards.

Friday, 20 June 2008 (morning session)

8 ^{:30} - 9 ^{:00}	Registration of the Participants
9 ^{:00} - 9 ^{:20}	Welcome speeches
9 ^{:20} - 9 ^{:40}	Drought and Water Shortage: An Overview <i>G. Tsakiris</i>
9 ^{:20} - 9 ^{:40}	Drought Identification from Earth and Space <i>N. Dalezios</i>
10 ^{:00} - 10 ^{:20}	Strategic Water Shortage Preparedness Plan for Complex Water Supply Systems <i>A. Cancelliere</i>
10 ^{:20} - 10 ^{:40}	Regional Drought Assessment based on SPI and RDI indices <i>S. Michaelides, S. Pashiardis</i>
10 ^{:40} - 11 ^{:00}	<i>Coffee break</i>
11 ^{:00} - 11 ^{:20}	Water Resources Management in Agriculture Under Drought & Water Shortage Conditions <i>A. Senatore</i>
11 ^{:20} - 11 ^{:40}	Drought and Streamflow <i>I. Nalbantis</i>
11 ^{:40} - 12 ^{:00}	Drought & Water Shortage Management in Malta <i>E. Sapiano</i>
12 ^{:00} - 12 ^{:20}	Time Series Analysis of Climatic and Vegetation Data <i>M.T. Noto</i>
12 ^{:20} - 12 ^{:40}	Management of Coastal Aquifers under Drought Conditions <i>G. Kourakos, V. Christelis, G. Kopsiaftis, A. Mantoglou</i>
12 ^{:40} - 13 ^{:00}	Brackish water use <i>D. Alexakis</i>
13 ^{:00} - 13 ^{:20}	Rain Water Harvesting <i>S. Giakoumakis</i>
13 ^{:30} - 15 ^{:00}	<i>Lunch</i>

Friday, 20 June 2008 (afternoon session)

15 ^{:00} - 15 ^{:15}	Expert System for facing water shortage <i>D. Argialas, A. Tzotsos</i>
15 ^{:15} - 15 ^{:30}	Drought Identification in Greek regions <i>D. Tigkas</i>
15 ^{:30} - 15 ^{:45}	Rules and Constraints for designing a Preparedness Plan <i>H. Vangelis</i>
15 ^{:45} - 16 ^{:00}	Public Participation and Institutional Capacity <i>D. Pangalou</i>
16 ^{:00} - 16 ^{:30}	<i>Coffee break</i>
16 ^{:30} - 18 ^{:00}	Applications: <ul style="list-style-type: none">▪ Naxos▪ Crete▪ Sicily▪ Cyprus▪ Malta▪ Lakonia▪ Basilicata▪ Thessaly
18 ^{:00} - 19 ^{:00}	<i>Discussion and Conclusions</i>
19 ^{:00}	<i>End of the Symposium</i>