

PARTNER SEARCH 1

PROGRAMME	Transnational Territorial Cooperation Programme MED
PRIORITY AXIS	2. Protection of the environment and promotion of a sustainable territorial development
OBJECTIVE	2.1 Protection and enhancement of natural resources and heritage
CATEGORY OF PROJECT	Elaboration of pilot projects and experimental tools with a transnational dimension
TITLE OF THE PROJECT	Optimal exploitation of treated wastewater in urban environment in the Mediterranean
DEADLINE OF PRE-APPLICATION STAGE	13/03/2009
PROJECT DESCRIPTION	<p>The Mediterranean countries - such as Greece, Italy, Spain, Cyprus, France, Portugal, Malta, Slovenia – face significant and growing problems related to matching water supply and demand, especially in urban areas. As a number of water uses can be supplied with water of inferior quality than drinking water quality, i.e. washing, irrigation, etc., the exploitation of treated wastewater appears to be a potential solution to the problem.</p> <p>Treated wastewater has the advantage to be produced in exactly the same areas where water needs are also high. Its exploitation, particularly for irrigation purposes, is not a new issue but scientific effort till now has focused on proving the concept and investigating the effects of treated wastewater on a range of receptors.</p> <p>The proposed project follows up from a study carried out by TEDKNA (the Union of Municipalities in the wider Athens area) which investigates the potential for treated wastewater exploitation in a range of uses depending on water quality. The next logical step is to investigate how to match a number of treated wastewater sources (i.e. WWTP) with potentially different water quality standards or performance with the appropriate water uses – taking into account spatial distribution.</p> <p>The approach of the proposed research will be based on a decision support tool created by the National Technical University of Athens, addressed to planning authorities, able to facilitate the management of a complex network of treated wastewater sources and needs and assist in arriving at the optimum solution in the direction of the sustainable use of treated wastewater. The tool will utilize a range of different criteria, i.e. economic viability, technical competence but also social acceptance, environmental implications and modern ecological water utilization approaches, etc. A multi-criteria analysis will be used that will take into consideration various restrictions arising by the legal framework and the local implementation conditions.</p>
COORDINATOR	T.E.D.K.N.A. (Union of Local Authorities and Town Councils of Attica) in cooperation with NTUA and local authorities from

	Cyprus, France (4 regions), Italy (18 regions), Malta, Portugal (2 regions), Slovenia, Spain, United- Kingdom (Gibraltar) etc.
PROFILE OF PARTNERSHIP SOUGHT	Partners from other countries are sought with the aim to exploit the already acquired experience in the field as well as to investigate the issue in different national contexts. However, the focus needs to remain on the Mediterranean.
ESTIMATED TOTAL BUDGET	Around 1.000.000 €
EU – Co-financing	Up to 75% of ERDF which corresponds 25% of national co-financing
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