



Aqua knowledge and innovation transfer for water saving in the Mediterranean basin

AQUAKNIGHT

Priority 2 Promotion of environmental sustainability at the basin level

Measure 2.1 Prevention and reduction of risk factors for the environment and enhancement of natural common heritage

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Programme
funded by the
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REGIONE AUTONOMA DELLA SARDEGNA

Project in brief

Mediterranean water resources are extremely under stress, especially in the south and east shore. In Jordan, Lebanon and Tunisia, water demand constantly increases, while water use efficiency can still be considered as limited. These are the two most critical factors regarding the sustainability of the most elementary earth resource: water. Under this concept, policies aiming at improving usage efficiency and at reduced losses and poor usage, are urgently needed.

In this sense, **AQUAKNIGHT** project focuses on optimizing consumption and minimizing the Non-Revenue Water (water not metered or billed to consumers) through the implementation of five pilot projects in the cities of Limassol (Cyprus), Genoa (Italy), Alexandria (Egypt), Tunis (Tunisia) and Aqaba (Jordan).

Beneficiary

Institute of Communication and Computer Systems, ICCS (Greece, Sterea Ellada)

Partnership

1. SGI Studio Galli Ingegneria SpA (Italy, Campania)
2. Water Board of Lemesos (Cyprus)
3. IREN Acqua Gas S.p.A. (Italy, Liguria)
4. Sonede (Tunisia, Tunis)
5. COMETE Engineering (Tunisia, Tunis)
6. Alexandria Water Company (Egypt, Al Iskandanyah)
7. Aqaba Water Company (Jordan, Al Aqaba)
8. SignalGeneriX Ltd (Cyprus)
9. University of Palermo (Italy, Sicilia)

Specific objectives

- Development of parallel pilot projects in Egypt, Jordan, Tunisia, Cyprus and Italy for the transfer of experiences in integrated planning and management of water distribution networks
- Capacity building of water companies and public institutions concerned with water management in advanced techniques for leakage control and consumption metering
- Building of a strong partnership of actors in the provision of water services in five countries that will adopt international best practice for the reduction of water losses in urban distribution networks thanks to the support of national institutions associated to the project

Expected results

- Application of international best practice to evaluate and control water losses in the selected pilot areas
- Development of a manual of best practices for reducing commercial water losses in the water networks of the Mediterranean area
- Increase of water utilities staff knowledge and capacity to reduce water losses with the consequent benefits in operational and financial terms
- Wide dissemination of best practice to control and manage water losses and make sure that tools reach a wide group of stakeholders in the participating countries and in other Mediterranean countries

Target groups

- Water operators and Water utilities
- Ministries of Environment and Public Works
- Local authorities

Final beneficiaries

- The population of the target countries

Duration

36 months

Budget

- Total budget: € 1.999.129
- Programme contribution: € 1.799.216 (90%)
- Project co-financing: € 199.913 (10%)

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