

SUBSOL

Project reference: 642228

Funded under: H2020-EU.3.5.4.

bringing coastal SUBsurface water SOLutions to the market

From 2015-09-01 **to** 2018-09-01, ongoing project

Project details

Total cost: EUR 4 170 008,38	Topic(s): WATER-1a-2014 - First application and market replication
EU contribution: EUR 3 460 565,24	Call for proposal: H2020-WATER-2014-two-stage
Coordinated in: Netherlands	Funding scheme: IA - Innovation action

Objective

Coastal areas are the most productive and economically dominant regions of the world. The high water demand in these regions, however, puts tremendous pressure on their freshwater resources and ecosystems. This leads to problems like seasonal water shortage, saltwater intrusion, and disappearance of wetlands.

Building on national, regional and European research and innovation programs, in the past five years, a set of innovative, practical concepts have been developed for protection, enlargement and utilization of freshwater resources in coastal areas. These subsurface water solutions (SWS) combine innovations in water well design and configuration, allowing for advanced groundwater management, and maximum control over freshwater resources. SWS have been successfully piloted by public-private partnerships. These full-scale pilots have demonstrated SWS capacity to support sustainable freshwater supply in coastal areas, energy reduction, food production, and financial savings.

SUBSOL targets a market breakthrough of SWS as robust answers to freshwater resources challenges in coastal areas, by demonstration, market replication, standardization and commercialisation. The route to market includes business cases, market scans and capacity building in selected regions in Europe (Mediterranean, Northwestern Europe) and worldwide (USA, Brazil, China, Vietnam). SUBSOL will share experiences and outcomes with stakeholder groups through an online platform, that will be linked to existing networks, including EIP on Water.

The SUBSOL consortium combines knowledge providers, technology SMEs, consultants, and end-users from across Europe. Our ambition is to introduce a new way of thinking in terms of water resources management, promoting the sustainable development of coastal areas worldwide. This will stimulate economic growth and will create market opportunities and jobs for the European industry and SMEs.

Coordinator

KWR WATER B.V.
Netherlands

Netherlands

EU contribution: EUR 664 168,75

Participants

ADELPHI RESEARCH GGMBH Germany	Germany EU contribution: EUR 379 000
ALPHAFILM & KOMMUNIKATION APS Denmark	Denmark EU contribution: EUR 134 575
ARCADIS NEDERLAND BV Netherlands	Netherlands EU contribution: EUR 75 075
B-E DE LIER BV Netherlands	Netherlands EU contribution: EUR 108 500
BUNDESANSTALT FUER GEOWISSENSCHAFTEN UND ROHSTOFFE Germany	Germany EU contribution: EUR 224 250
ROBOTEK GRUPPEN AS Denmark	Denmark EU contribution: EUR 30 800
FONDEN TEKNOLOGIRADET Denmark	Denmark EU contribution: EUR 365 250
ETAIRIA GEOGOLOGIKON-GEOFYSIKON EREVNON KL. DIMITRIADIS KAI SIA EE Greece	Greece EU contribution: EUR 122 937,5
Geological Survey of Denmark and Greenland Denmark	Denmark EU contribution: EUR 561 417,5
GREENER THAN GREEN TECHNOLOGIES AE Greece	Greece EU contribution: EUR 216 735,49
NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA Greece	Greece EU contribution: EUR 275 281
ORBICON AS Denmark	Denmark EU contribution: EUR 68 250
GIOUMPITEK MELETI SCHEDIASMOS YLOPOIISI KAI POLISI ERGON PLIROFORIKIS ETAIREIA PERIORISMENIS EFTHYNIS Greece	Greece EU contribution: EUR 129 675
VITENS NV Netherlands	Netherlands EU contribution: EUR 104 650

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