



R&D Organisation / Participants

## **KWR Water B.V.**

KWR's foundation is the knowledge we develop on the basis of our leading, applied scientific research into the water cycle. We are experts in a wide range of specialist fields and we inspire the water sector to define its research issues and questions. Together, we build the knowledge needed to address complex water challenges.

### AREAS OF ACTIVITY

**Citizen Engagement**

**Climate Modelling**

**Climate Risks & Responses, Disaster Risk Management**

**EU Projects**

**Research & Development**

**Water Management**

**Climate change adaptation**

### **OPPORTUNITIES**

#### **PROJECT**

### **Subsol: Subsurface Water Solutions**

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. Contact: Bianca van der Wolf <https://www.ecca21.eu/participants/1851> Official website of the project: <https://www.subsol.org>

**Applies to**

**Water management, Climate change adaptation, Climate change mitigation, Marine, coastal, fluvial management**



**ECCA 2021 - Climate Adaptation solutions – Subsol**

Video <https://youtu.be/IYCyM7X7xjI>

