

Boron contamination of water resources in the mediterranean region: distribution, sources, social impact and remediation (BOREMED)

Start date:2001-02-01

End date:2004-05-31

**Project Acronym:**BOREMED

**Project status:**Completed

Coordinator

**Organization name:**Bureau de Recherches Géologiques et Minières

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Description

**Objective:** Contamination by boron endangers Mediterranean water resources used for drinking water and irrigation. High boron contents remain after wastewater treatment and desalinisation limiting the use of the produced freshwater. BOREMED looks at specific settings in the Mediterranean basin in order to develop an approach to the understanding the sources, pathways and fate of boron and salinity in ground-water resources. It will provide solutions through novel water treatment technologies integrated to water management policies.

These objectives will be achieved through the following steps:

Assessment of boron contamination in the Med. basin;

evaluation of effects on human health;

development, testing and application of new technologies for boron removal on groundwater, waste-water and desalinated sea water;

development of problem specific management plans including assessment, remediation and recommendations for compliance of EU drinking water standards.

**Achievements:**

**General information:**

Project Details

**Start date:**2001-02-01

**End date:**2004-05-31

**Duration:**40 months

**PJ\_REF:**EVK1-CT-2000-00046

**Project cost:**2380205 EURO

**Project Funding:**1362568 EURO

**Programme Acronym:** [EESD](#)

**Programme type:**Fifth Framework Programme

**Subprogramme Area:**Key action Sustainable Management and Quality of Water, Technological development and management tools

**Contract type:**Cost-sharing contracts

**URL:**<http://boremed.brgm.fr/>

**Subject index:**Economic Aspects, Environmental Protection, Regional Development, Social Aspects

**Other Indexes:**

Other participants

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