



Country

France

Client

Conseil Général
de la Côte-d'Or

Date

2004-2007

Sogreah's services

- ◆ Assessment of the current situation
- ◆ Evaluation of targets for 2020
- ◆ Proposal of a master plan

Context

The purpose of this study was to draw up a drinking water master plan for the Châtillon region. The study put forward technical and economic information enabling local officials to define a policy for:

- ◆ taking measures to ensure reliable drinking water supplies;
- ◆ managing available and potential resources in the optimum manner;
- ◆ managing existing and planned infrastructure in the optimum manner.

The study area was situated partly in the Châtillon region and comprised 8 water authorities (23 communes totalling over 10,000 inhabitants). The 8 distributing authorities possess 16 water points that produce 1,100,000 m³/year, supplying 4400 subscribers (consumption:

685,000 m³/year). The study sector comprised about 200 km of networks and 20 reservoirs.

Performance of the study Assessment of the existing situation

- ◆ Data acquisition, meetings with the various project players, field visits.
- ◆ GIS Mapping using ARCVIEW.
- ◆ Assessment of quantitative data, population changes and means for managing the service.
- ◆ Analysis of:
 - production and production capacity,
 - distribution infrastructure,
 - treatment units,
 - consumption,
 - yields and loss indices (m³/d/km).
- ◆ Assessment of resources, analysis of qualitative data, analysis of fire safety.

- ◆ Price of water, summary.

Evaluation of targets for 2020

- ◆ Estimation of future requirements and comparison with mobilised resources, ranking of problems encountered and levels of urgency.
- ◆ Study and investigation of new resources and/or interconnections.

Proposal of master plan

- ◆ Comparison of the assessment and aims to be met.
- ◆ Modelling using the PORTEAU software.
- ◆ Proposal of various solutions: resources, treatment units, networks and interconnections, reservoirs, grouping of distribution units, fire-fighting.
- ◆ Definition of a master plan