

# **Study of the integration of new district integrated with industrial activities in Chamoson.**

The goal is a greenfield development of an industrial symbiosis cluster that integrates industrial activities and households in a given area. The study will investigate the unit as a renewable energy hub, investigating ways to harvest, store and supply the energy to an eco industrial cluster and an associated eco-district.

The study includes

1. modeling of the urban area demand
2. modeling of the industrial cluster demand
3. modeling the renewable energy resources
4. definition of the integrated renewable energy hub superstructure
5. development of a collection of options with a parameterized approach (list of options as a function of indicators like sustainable development indicators, size of the project, profit)