



The cooling demand is growing worldwide with a wider variety of use, including industry. The objective of HYCOOL is to minimize emissions of gases with high Global Warming Potential into the atmosphere (CO<sub>2</sub>, SO<sub>2</sub> and NO<sub>x</sub>) by maximizing exploitation of renewable energy systems in industrial refrigeration.

HyCool will use the latest available developments in both Concentrating Solar Collectors and Thermal Storage fields to develop two innovative, highly efficient Hybrid Solar System concepts for heating and cooling generation: one for chemical industrial processes, and one for small food industry.

### Strengths of HYCOOL:

- Flexibility of application in the context of fluctuating supply/demand profiles
- Approach: Simulation, demonstration and monitoring in two industrial environments
- Work out business models for rapid market uptake

