Thermochemical Fluids in Greenhouse Farming

50% reduction of the thermal energy cost

Our goals CO₂ emissions reduced by at least 50%

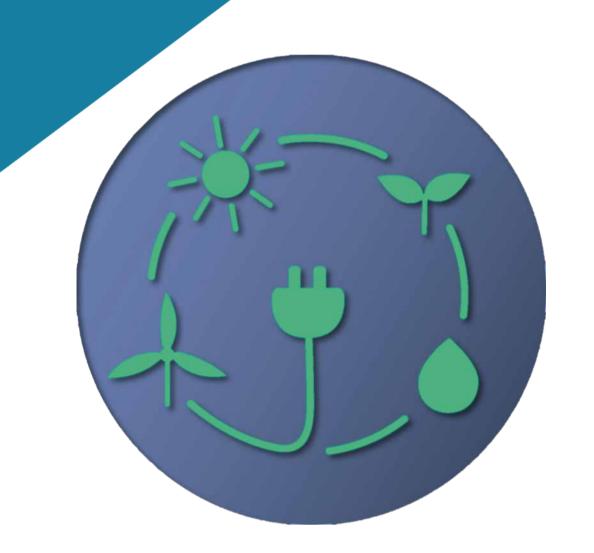
10% increase in the rate of the crop production

20% reduction of water consumption in dry-hot climate

Money savings

TheGreeFa proposes
3 innovations for
energy-efficient greenhouses
driven by renewable energies:

» Humidity control, heating and cooling in one system through a single process



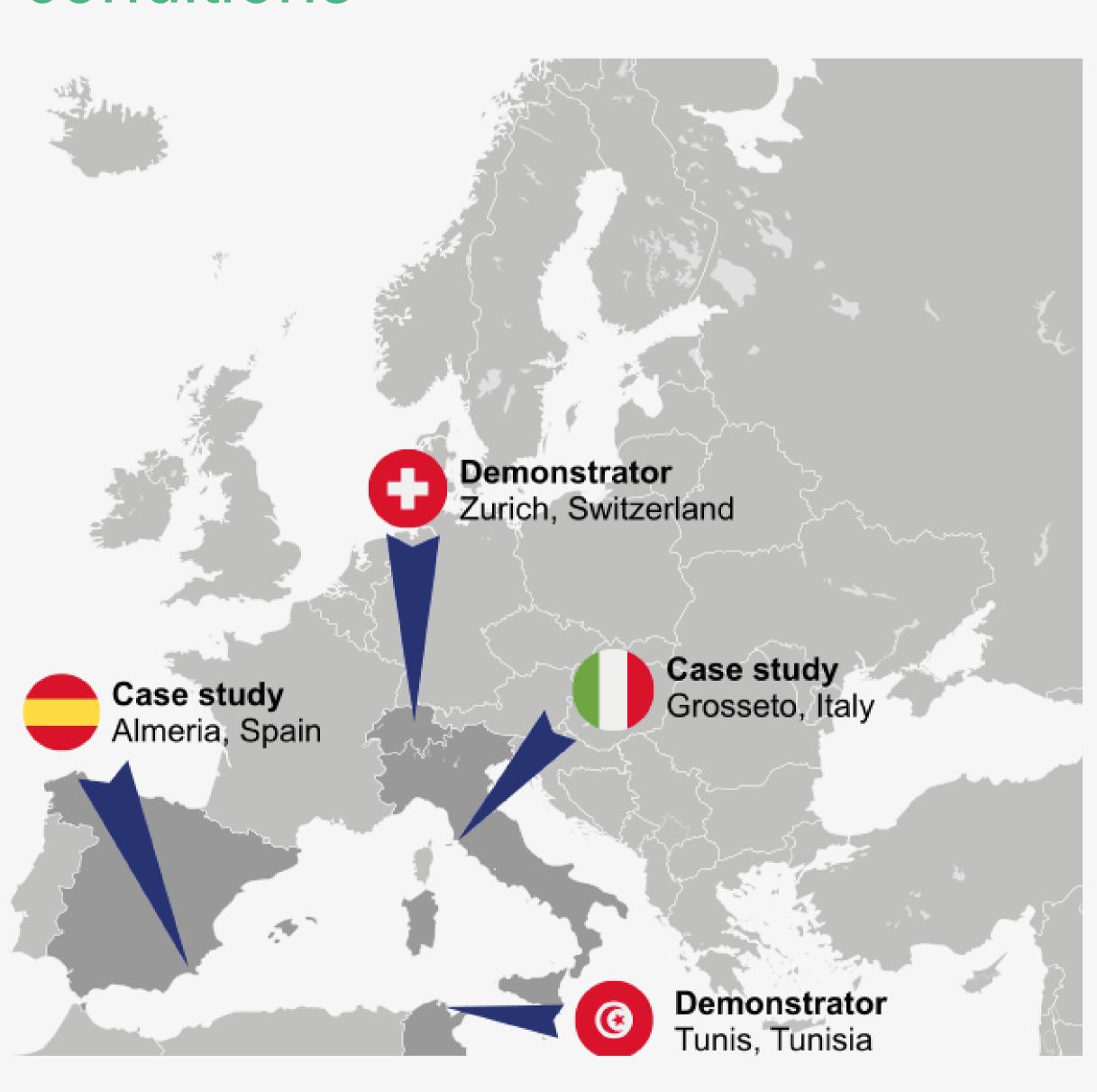
Use of renewable energy



Energy-efficiency improvment

» Water recovery by evapo-condensation strategies, including sorptive drying and evaporative cooling with saline water





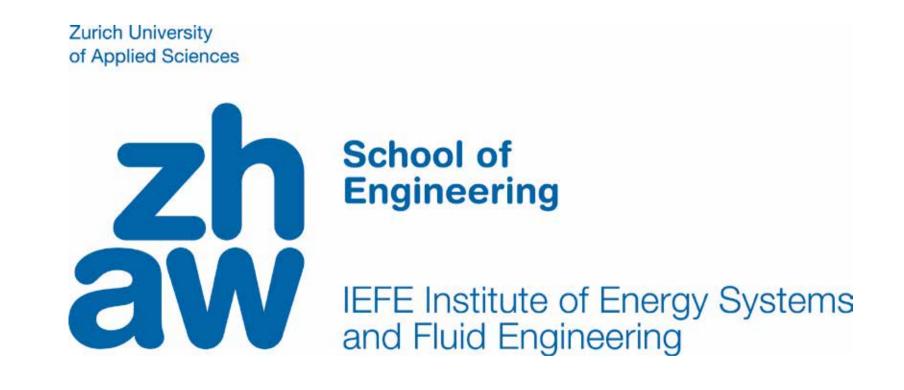
TheGreeFa achieves the targets through:

- » Effective use of renewable energy with shifting in time and space between energy
- » Water recovery from air humidity
- » Integration of free-loss thermal seasonal storages and free-loss energy transport

PARTNERS

www.thegreefa.eu











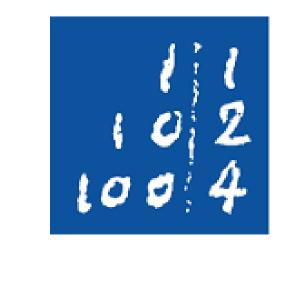


















Communication: Emil Lezak emil.lezak@iznab.pl



