



Solar Combi+

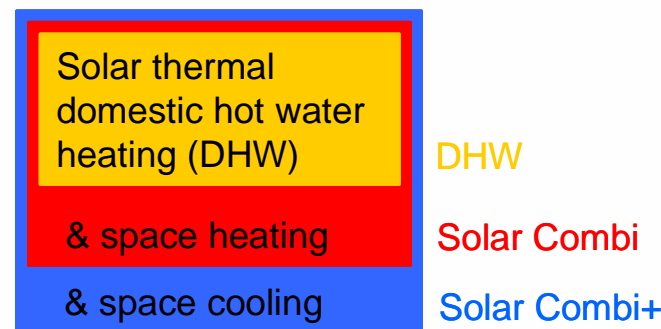
Key features of the project

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Solar Combi+

Identification of most promising markets and promotion of standardized system configuration for the market entry of small scale combined solar heating & cooling applications



Aim

Take newly commercially available small scale sorption chillers and identify and promote standardized Solar Combi+ systems for small applications (residential, catering, small commercial and office buildings, up to a cooling demand of 20 kW)



Barriers & proposed solutions

High effort in design stage

→ Virtual case studies help identifying standard system configurations and develop package solutions

High cost due to low production volumes

→ Most promising markets are identified and help trigger application

Not well known by installers, planners & users

→ Tailored dissemination plans

Now is the right moment

to support the market entry of Solar Combi+ with system concepts, reliable dimensioning and a comprehensive analysis of promising applications.

In this way the spread of SolarCombi+ can go hand in hand with the build up of important solar thermal markets (Spain, France, Italy)



Expected direct outcomes

- Standard system configurations for small scale combined heating & cooling systems
- Package solutions for each chiller technology
- Promising markets identified
- Online Tool to query virtual case studies
- Awareness & knowledge increased among (i) solar thermal installers, (ii) professionals, and (iii) public authorities
- Public informed, increased use



Potential impact

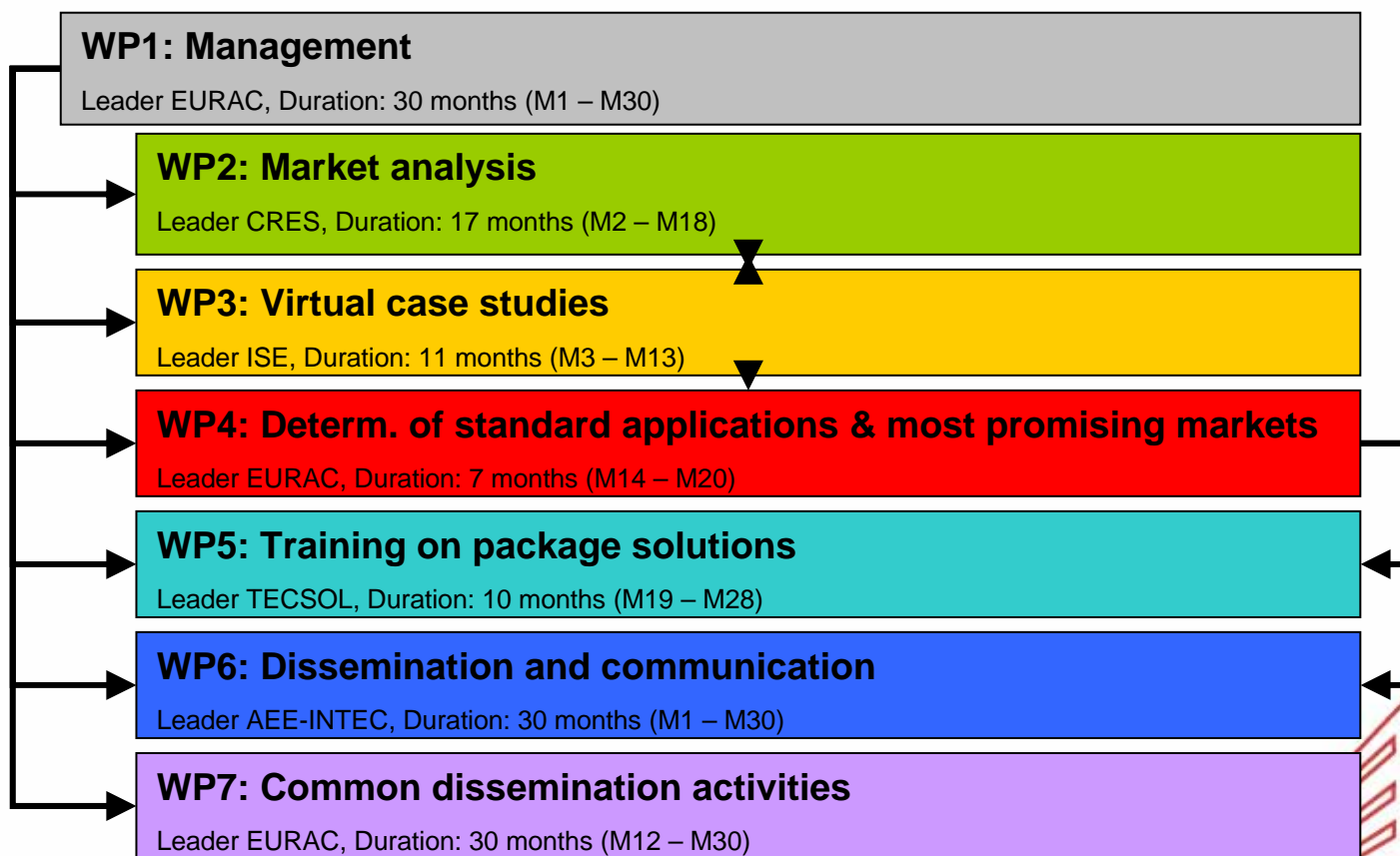
- smooth and accelerated implementation of Solar Combi+ systems
- sustainable development of the market
- accelerate evolution of solar thermal from DHW provider to significant contributor to heating demand
- mitigation of summer electricity peaks
- tailored shaping of support programmes



Target Groups & Key actors

- Producers of small scale sorption chillers
- Solar thermal enterprises
- Professional groups
- Policy makers and public authorities
- Potential consumers

Work packages



Performance indicators

- Quality of project management → reports in time
- Representative virtual case studies → 3 uses, 3 regions, 3 concepts
- Successful identification of st.s.c. → in 75% design effort avoided
- Supply of st.s.c. accepted by market actors → 1000 downloads
- Broad use of online tool → 1000 queries
- Successful transfer of know-how to supply side actors → 350 trained
- Successful launch of package solutions → 100 offer requests
- Successful promotion of markets → 50% of market actors consider ...
- Public interest in identified promising regions → >5 articles
- Project well site well known → >1000 visitors, >20 links
- Professionals informed → 5000 informed (conferences, workshops, ...)
- Public authorities (EPBD) informed → >15 informed, consider results
- Pilot plants promoted → >20 contacted, 50% consider realisation





Thank you for your attention

