IEA SHC Task Definition Meeting

Paris, March 22\textsuperscript{nd}

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Background

- **PV modules analysis**
- **Energy forecasting tools and algorithms**
- **New PV technologies and Tri-generation**
- **Smart modules, CPV and storage**
- **PV plant performance and monitoring**
Thermal applications

- Hybrid PV modules
- Temperature, flow and pressure control
- Thermographic and electrical measures
Solar thermal cooling activities

• **Simulation, design, commissioning and monitoring of solar thermal cooling plants**, (e.g. refrigeration for industrial use, < 0 °C);

• **Training at university and at professional level**;

• **Participation in IEA-SHC former Tasks 25 and 38 and current Task 48 as subtask leader**;

• **Research projects in the FP7 research funding program.**

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*e.g. Solar conditioning for office building in Italy*
Experiences

Fresnel solar system for industrial refrigeration

Solar conditioning via adsorption chiller in Milan

Solar conditioning with high solar fraction and integration with heat pumps in Milan
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