



EU FP7 Project «FRESH NRG»

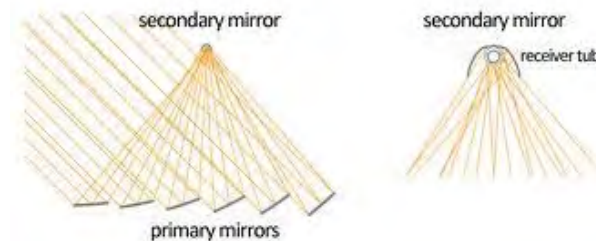
1st FRESH NRG Workshop
Rapperswil, March 20 2014

Dr. Elimar Frank
SPF - Institut für Solartechnik
University of Applied Sciences Rapperswil (HSR)

Project Overview



- Acronym: **F**resnel Collector for **S**olar **H**eat with **N**ew **R**eceiver and **G**eometry
- Main goal: Development of a Linear Fresnel Collector (LFC) for solar energy conversion optimized for industrial use with an efficiency of 60% at 250°C
- Project costs: 3.2 M€
- Partners: 6 (2 industrial and 4 academic partners, 5 countries)

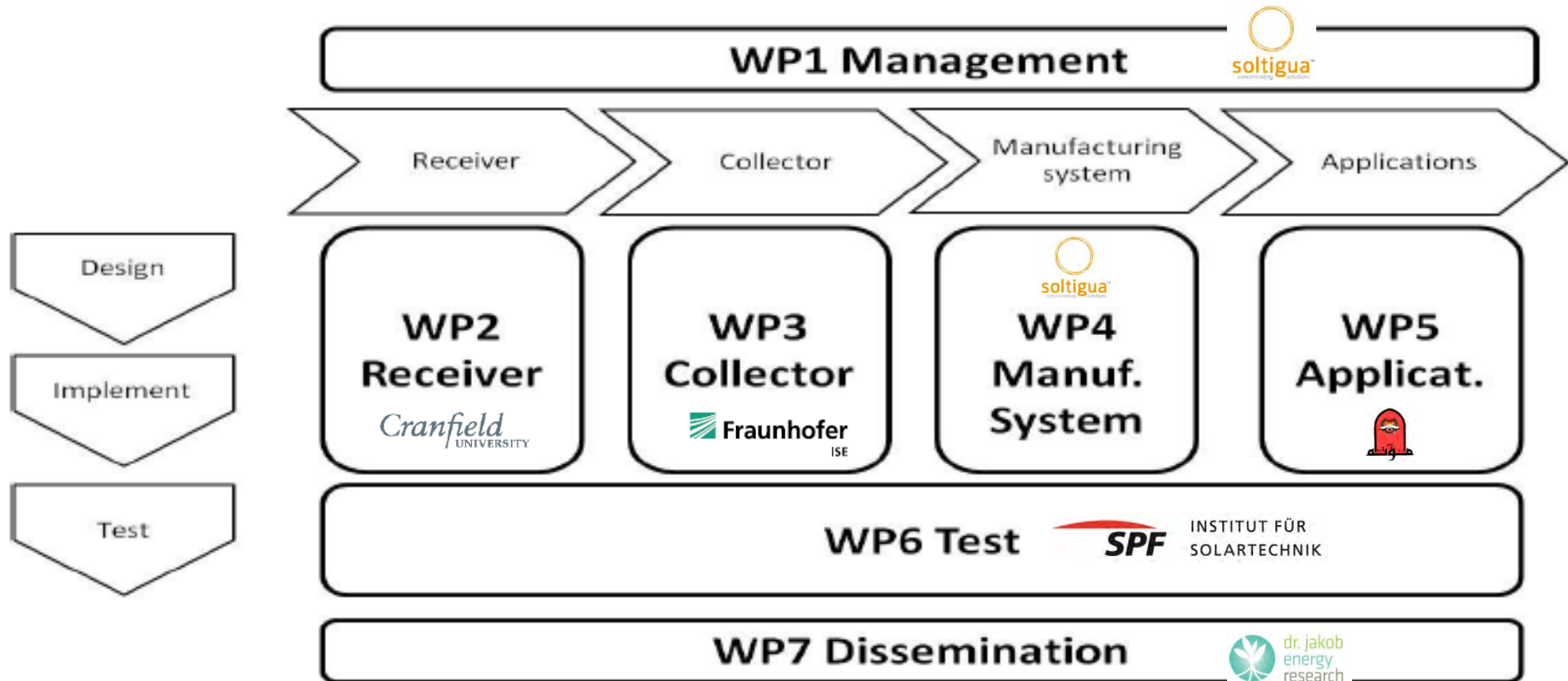


<p>Soltigua</p> 	<p>Fraunhofer ISE</p> 	<p>Cranfield University</p> 
<p>dr. jakob energy research</p> 	<p>Institut für Solartechnik SPF</p> 	<p>Mutah University</p> 

Project Overview



Project Duration: Mar 2013 to Aug 2016 (42 months)





- **1st: Components Characterisation for Medium Temperature Collectors: Performance, Quality and Durability (Rapperswil, March 20, 2014)**
- **2nd: In-Situ Measurement and Certification of Medium Temperature Collectors (Milano, September 24, 2014)**
- **3rd: (preliminary topic) Energy bilanzing for Poly-generation - Experiences with Installation and Operation and Lessons Learned (Jordan, May 2016)**

Agenda 1st Workshop



Agenda

10:00 – 10:15	<i>Opening of workshop</i>	<i>Dr. Elimar Frank (SPF)</i>
10:15 – 11:30	Topic 1: Absorber Tube	Dr. Paul Gantenbein (SPF) Dr. Chris Shaw (Cranfield University) Stefan Brunold (SPF)
11:30 – 12:15	Topic 2: Glass Envelope	Georg Bahr (SPF) Dr. Andreas Bohren (SPF)
12:15 – 13:15	<i>Lunch break</i>	
13:15 – 14:00	Topic 3: Receiver	Prof. Matthias Rommel (SPF) Marco Larcher (SPF)
14:00 – 14:45	Topic 4: Mirrors	Stefan Brunold (SPF) Anna Heimsath (Fraunhofer ISE)
14:45 – 15:00	<i>Closing of workshop</i>	<i>Dr. Elimar Frank (SPF)</i>

Thank you for your attention!



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