



SOLAR HEATING & COOLING PROGRAMME

Werner Weiss



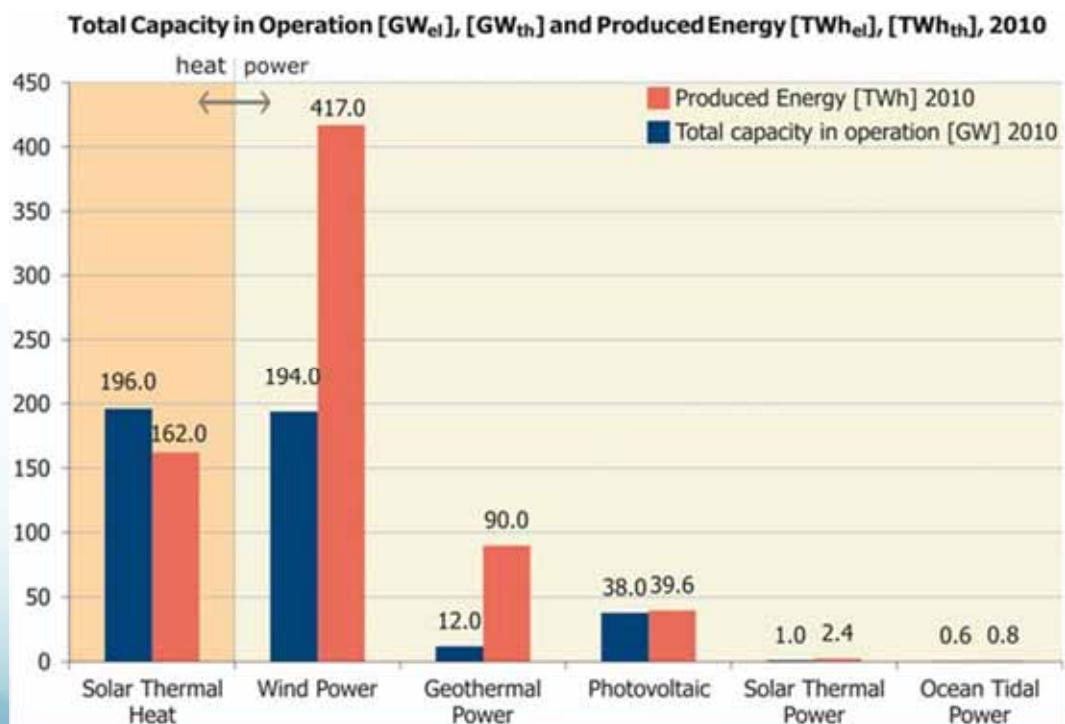
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THE MARKET & NEW DEVELOPMENTS

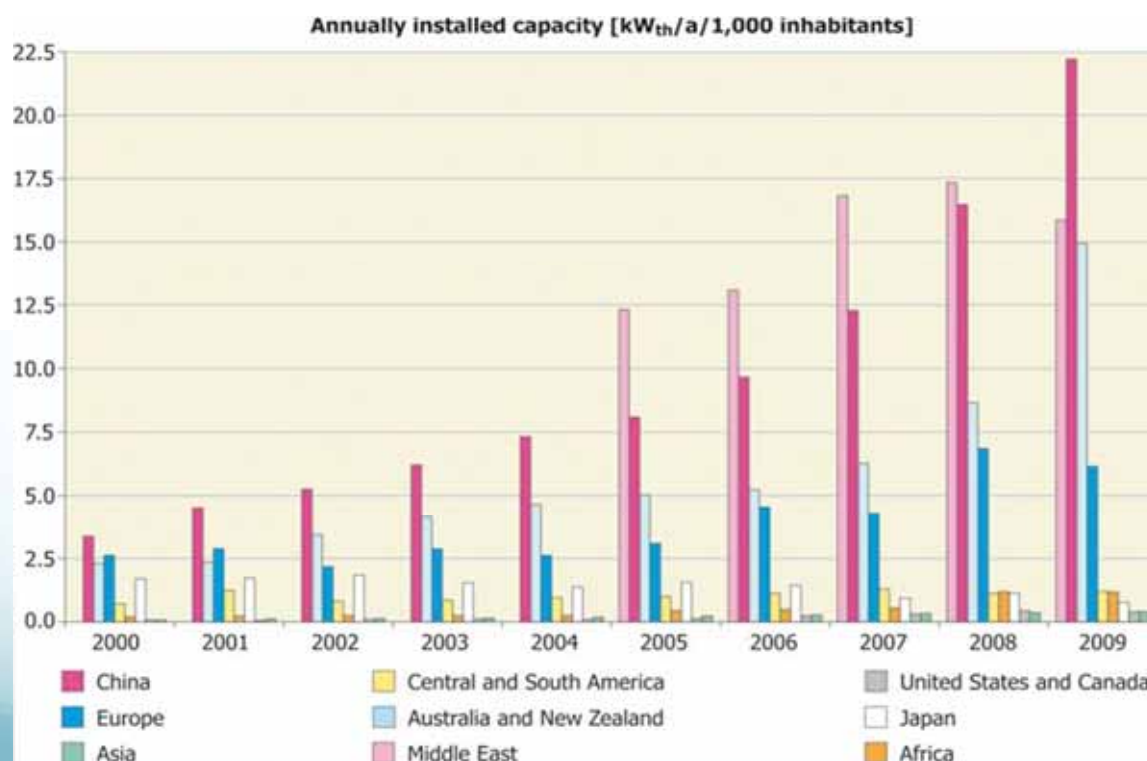
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Global Market Development



Annually installed capacity of flat-plate and evacuated tube collectors





STATUS OF THE SHC PROGRAMME

Member Countries



	2009	2010	2011	2012	2013
Task 39 Polymeric Materials for Solar Thermal Applications (Germany)	[Progress bar from 2009 to 2012]				
Task 40 Net Zero Energy Solar Buildings (Canada)	[Progress bar from 2009 to 2011]				
Task 41 Solar Energy and Architecture (Denmark, Norway, Sweden)	[Progress bar from 2009 to 2011]				
Task 42 Compact Thermal Energy Storage (Netherlands)	[Progress bar from 2009 to 2011]				
Task 43 Rating and Certification Procedures (Denmark, US)	[Progress bar from 2009 to 2011]				
Task 44 Solar and Heat Pump Systems (Switzerland)	[Progress bar from 2010 to 2012]				
Task 45 Large Solar Heating/Cooling Systems (Denmark)	[Progress bar from 2011 to 2012]				
Task 46 Solar Resource Assessment and Forecasting (United States)	[Progress bar from 2011 to 2012]				
Task 47 Solar Renovation of Non-Residential Buildings (Norway)	[Progress bar from 2011 to 2012]				

	2011	2012	2013	2014	2015
Task 48 Solar Cooling - Quality Assurance Measures for Solar Thermally Driven Heating and Cooling Systems (France)					
Task 49 Solar Heat Integration in Industrial Processes (Austria)					



Österreichische Beteiligung

38 österreichische ExpertInnen
von 4 Universitäten,
von 5 ausseruniversitären
Forschungseinrichtungen und von
5 Unternehmen arbeiten derzeit an
11 Projekten (Tasks) mit.

Damit ist Österreich gemeinsam mit
Deutschland das aktivste Land im Solar
Heating and Cooling Programm.

Österreichische Beteiligung

IEA FORSCHUNGS
KOOPERATION

bmvit

Ongoing Tasks and Austrian Contributions



Task 38

Solar Air Conditioning and Refrigeration



Task 39: Polymeric Materials for Solar Thermal Applications

Patents	
Pool absorbers	
Glazing	
ICS	
Absorbers	
Frames	
Heat stores / TES	
Other components	

Task 40/Annex 52 Net Zero Energy Buildings



Task 45 Large Solar Heating/Cooling Systems



INFORMATION DISSEMINATION & MARKETING

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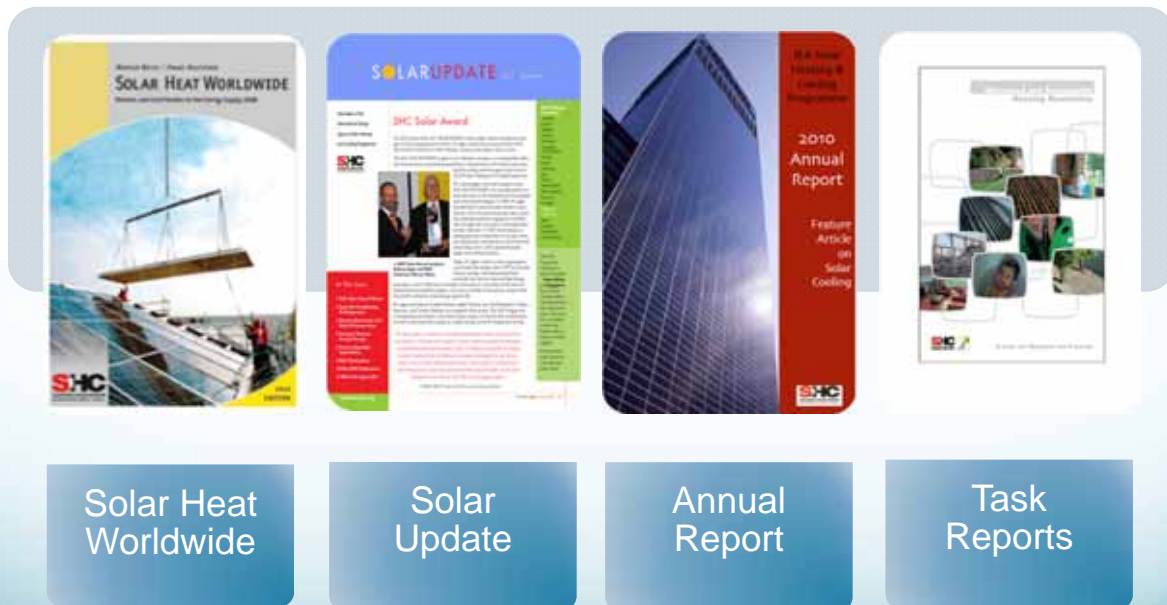
SHC Website



www.iea-shc.org

www.iea-shc.org

Publications



www.iea-shc.org

Collaborative Activities

Solar Thermal Trade Associations

- MOU with 9 trade associations
- Collaborate on common issues (e.g., conversion factor m^2 to $GW_{thermal}$ now used by SHC IA, ESTIF)
- Next meeting: October 2011 in conjunction with ESTEC in Marseille, France

Collaborative Tasks

- Task 36 (PVPS & SolarPACES), Task 40 (ECBCS), Task 42 (ECES), Task 44 (HPP)

Joint Meetings with IAs

- ECBCS 2008; ECES November 2011

Collaboration with IEA and other organizations

- IEA Buildings Coordination Group & Communications Workshop
- EU projects, ISO/CEN, ISES, ESTIF

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New Activity

SHC Solar Conference



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New Activity

SHC Information Center

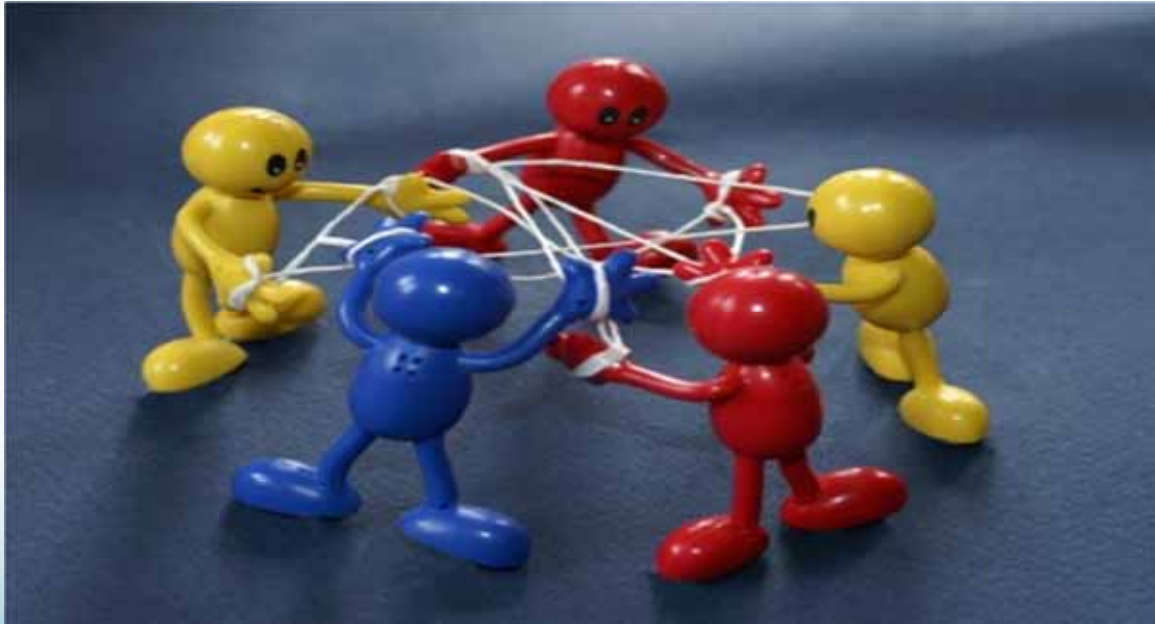
Objective is to increase the awareness of the potential of solar heating and cooling

Goals

- Provide up to date information to national and international policymakers
- Distribute general information on the SHC industry worldwide
- Share Task results with policymakers

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Know-how Transfer in Österreich



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Thank You



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