



# SOLAR HEATING & COOLING PROGRAMME

Werner Weiss



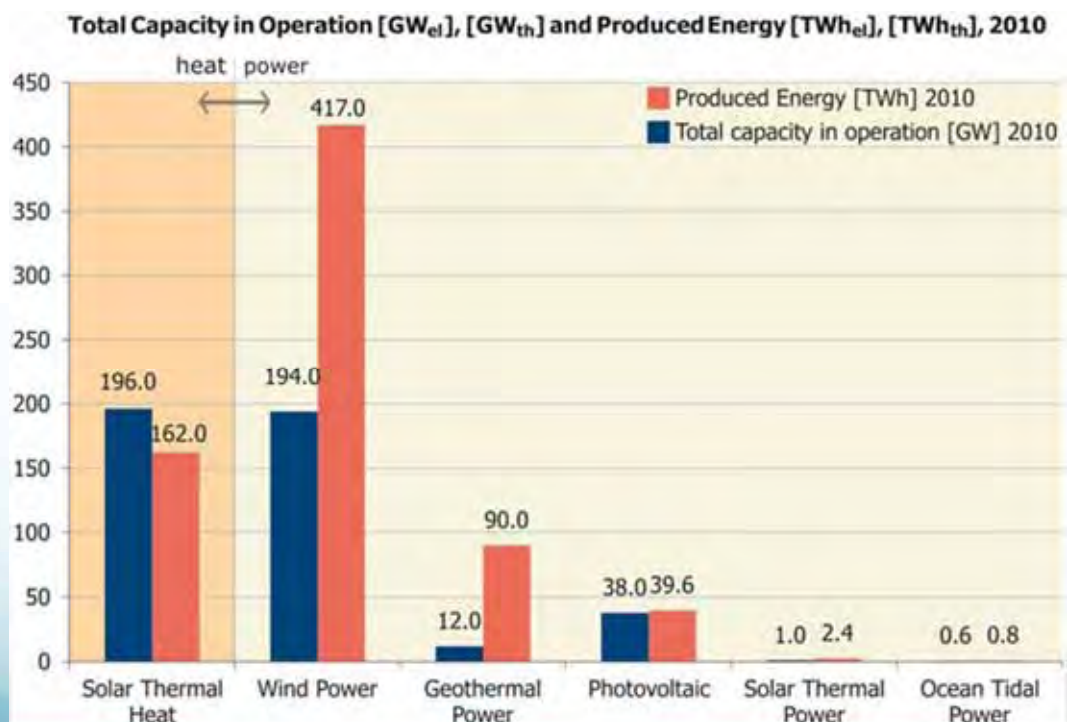
[www.iea-shc.org](http://www.iea-shc.org)

# THE MARKET & NEW DEVELOPMENTS

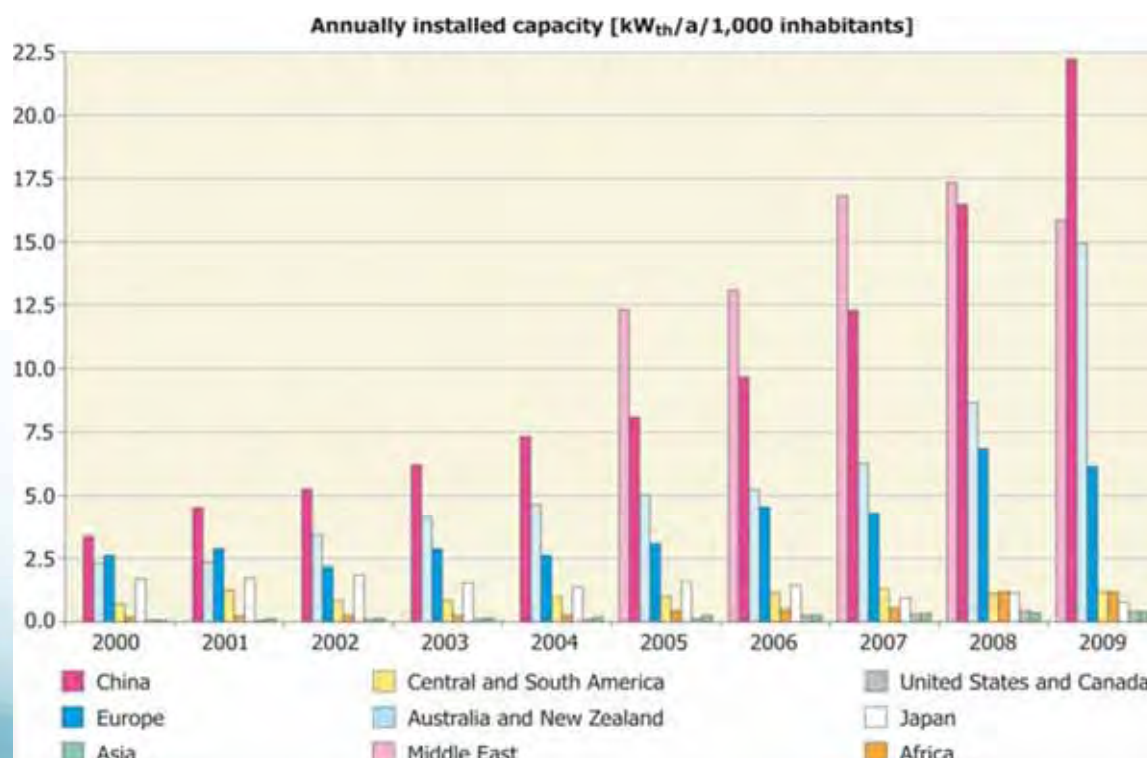
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## Global Market Development



# Annually installed capacity of flat-plate and evacuated tube collectors





## STATUS OF THE SHC PROGRAMME

# Member Countries



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

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



## 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

bm  

# Ongoing Tasks and Austrian Contributions



# Task 38

## Solar Air Conditioning and Refrigeration



## Task 39: Polymeric Materials for Solar Thermal Applications

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

## Task 40/Annex 52 Net Zero Energy Buildings



## Task 45 Large Solar Heating/Cooling Systems





# INFORMATION DISSEMINATION & MARKETING

www.iea-shc.org



## SHC Website



[www.iea-shc.org](http://www.iea-shc.org)

www.iea-shc.org

# Publications



Solar Heat  
Worldwide



Solar  
Update



Annual  
Report



Task  
Reports

[www.iea-shc.org](http://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

[www.iea-shc.org](http://www.iea-shc.org)

# New Activity

## SHC Solar Conference



[www.iea-shc.org](http://www.iea-shc.org)

# 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



[www.iea-shc.org](http://www.iea-shc.org)

# Thank You



[www.iea-shc.org](http://www.iea-shc.org)