

## IEA Solar Heating & Cooling Programme

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*Chairman IEA SHC*

# International Energy Agency



International  
Energy Agency

The International Energy Agency (IEA) is an autonomous body within the framework of the Organisation for Economic Co-operation and Development (OECD)

It was established in 1974

# The IEA Research Programme

The primary mechanism for co-operation on technology matters are the co-operative Research-, Development- and Demonstration- (*RD&D*) programs carried out in the Implementing Agreements

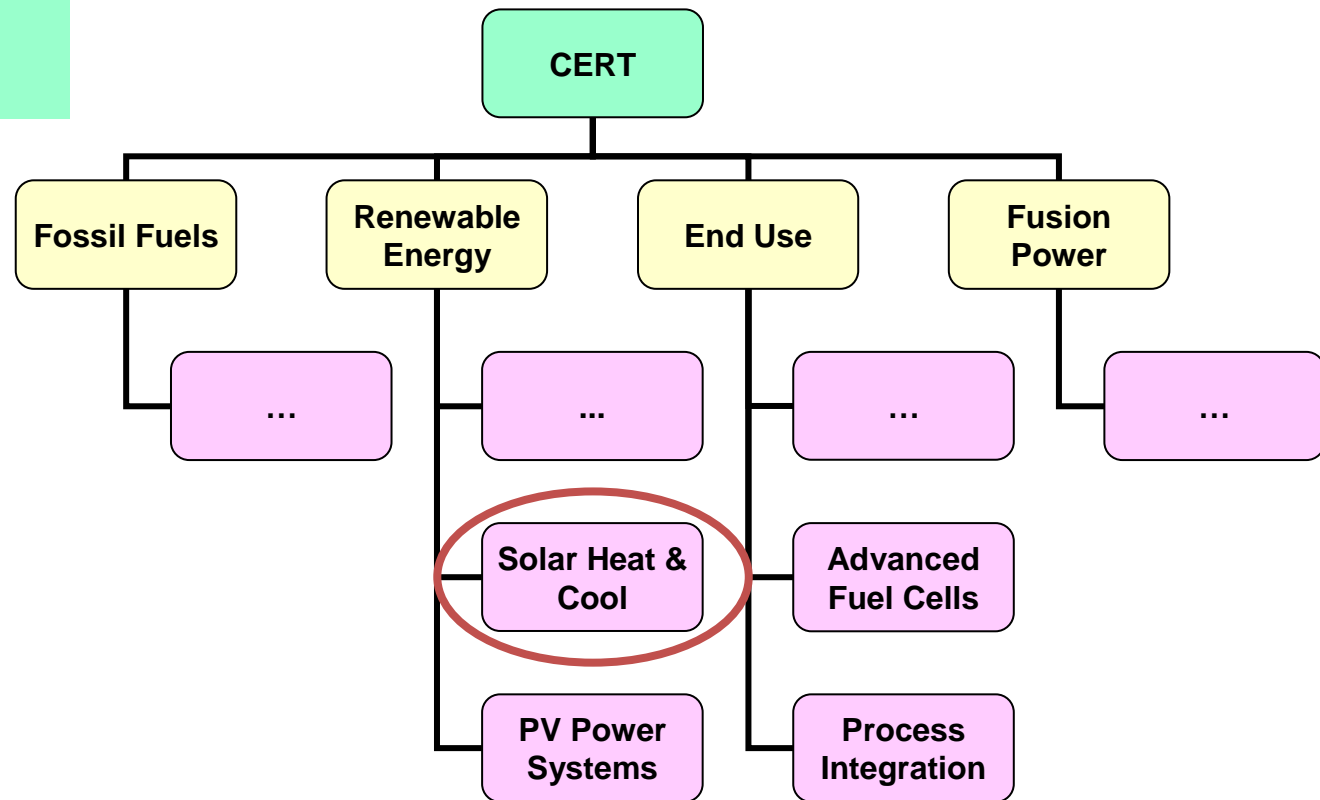
## 45 Implementing Agreements

## Energy Technology Co-operation

IEA Committee on Energy Research and Technology

Working Parties

Implementing Agreements (Examples)



## Renewable Energy

- Bioenergy
- Geothermal Energy Research Technology
- Hydropower Technologies and Programmes
- Ocean Energy Systems
- Photovoltaic Power System (PVPS)
- Production and Utilization of Hydrogen
- **Solar Heating and Cooling Systems (SHC)**
- Solar Power and Chemical Energy Systems (SolarPACES)
- Wind Turbine Systems

- **Started in 1976**
- **20 member countries plus the European Commission**
- **Trade Association MOU signed with 9 associations**
- **Industry participation**
  - past 5 years represented over 25% of Task participants
- **Interested countries**
  - Brazil, China, India, Japan, Singapore, Slovenia, United Arab Emirates
- **35 Tasks completed**
- **9 Tasks running with over 300 experts participating**

# IEA Solar Heating and Cooling Programme



## PARTICIPATING COUNTRIES



**Australia**



**Austria**



**Belgium**



**Canada**



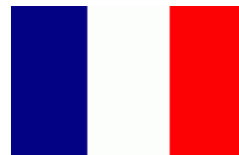
**Denmark**



**European Union**



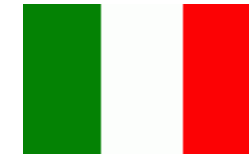
**Finland**



**France**



**Germany**



**Italy**



**Mexico**



**Netherlands**



**New Zealand**



**Norway**



**Portugal**



**South Africa**



**Spain**



**Sweden**



**Switzerland**



**United States**

# SHC PROGRAMME Membership

## Europe (14):

Austria, Belgium, Denmark, Finland, France, Germany, Italy, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the European Commission

## North America (3):

Canada, Mexico, United States

## Asia and Pacific (2):

Australia, New Zealand

## Africa (1)

South Africa



## IEA SHC

### **Technologies and Designs:**

includes active solar heating and cooling, passive solar, daylighting, and combined photovoltaic/thermal.

### **Energy End Uses:**

heating, cooling, hot water, and light.

### **Applications:**

all building types – single-family homes, multi-family, office, industrial buildings, schools, hospitals, public buildings, etc.

also, agricultural, industrial process heat, and water treatment applications.

## IEA SHC is contributing in key areas

- Technology Development
- Technical Assistance
  - **Contact in Australia**  
**Max Maffucci**  
Standards Australia International
  - **Ken Guthrie**  
Sustainability Victoria



Thank you!

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