



***Daniel Mugnier, Operating Agent, IEA SHC Task 53***  
***Gaëtan Masson, Operating Agent, IEA PVPS Task 1***

## **INTRODUCTION (10.00-11.00)**

10.00-10.30	Welcome and coffee		
10.30-10.45	General presentation of SHC Task 53	Daniel Mugnier	TECSOL
10.45-11.00	General presentation of PVPS Task 1	Gaetan Masson	BECQUEREL Inst.

## **TECHNICAL PRESENTATIONS (11.00-11.30)**

11.00-11.15	Focus on SHC Task 53 latest developments	Tim Selke	AIT
11.15-11.30	Examples of solar cooling innovations in SHC Task 53	PedroQuiles	UMH

## **DISCUSSIONS (11.30-13.00)**

Discussion between SHC and PVPS experts



## Workshop on the New Generation of Solar Cooling and Heating Systems driven by Photovoltaic or Solar Thermal Energy

Task 53 

*Daniel Mugnier, Operating Agent, IEA SHC Task 53*

### Collaborators



#### INTRODUCTION (15.30-16.00)

Presentation of Solar Cooling and Heating Spanish Contribution on the Programme

Ricardo Enriquez CIEMAT

General presentation of IEA SHC Task 53

Daniel Mugnier TECSOL

#### PRESENTATION OF LATEST ONGOING RESULTS AND DEVELOPMENTS AMONG INDUSTRY

##### (16.00-18.00)

- 16.00-16.20 : Solar cooling monitoring and assessment (Daniel Neyer, UIBK, Austria)
- 16.20-16.40 : Life Cycle Analysis and solar cooling (Maurizio Cellura / Sonia Longo, UNIPA, Italy)
- 16.40-17.00 : PV cooling concept (Philippe Esparcieux, ATISYS, France)
- 17.00-17.20 : New generation of solar thermal cooling with YAZAKI (Wei Zheng, YAZAKI)
- 17.20-17.40 : Experimental analysis of and Inverter Air Conditioner supported by PV (Francisco Aguilar, UMH Spain)
- 17.40-18.00 DHW production with a PV supported heat pump (Pedro Vicente, UMH, Spain)

#### FUTURE OF THE NEW GENERATION OF SOLAR COOLING SYSTEMS: WHICH BARRIERS?

##### (18.00-18.30)

## New Generation Solar Cooling & Heating Systems (PV or solar thermally driven systems)

**1st block : Plenary**

09.00 - 09.15	Welcome and Organisational issues	Daniel Mugnier Pedro Vicente	TECSOL UMH
09.15 - 09.30	Welcome, Introduction, Structure of the meeting Presentation of new participants/attendees	Daniel Mugnier	TECSOL
09.30 - 10:00	Subtask A : Goals, structures, deliverables Components, Systems & Quality	Tim Selke	AIT
10.00 - 10:30	Subtask B : Goals, structures, deliverables Control, Simulation & Design	Robert Fedrizzi	EURAC
10.30 - 10:45	Subtask C : Goals, structures, deliverables Testing and demonstration projects	Fredrik Wallin	MDH Uni
10.45 - 11:00	Subtask D : Goals, structures, deliverables Dissemination & market deployment	Daniel Mugnier	TECSOL

**11.00 - 11:30**

**Coffee Break**

## New Generation Solar Cooling & Heating Systems (PV or solar thermally driven systems)

**11.00 - 11:30**

**Coffee Break**

***2nd Block : Latest developments & results session***

11.30 - 11.45	Cilmatewell latest developments	Corey Blackman	CW
11.45 - 12.00	Ongoing works for Högskolan Dalarna	Chris Bales / Corey	DU
12.00 - 12.15	Latest results on LCA tool	Sonia Longo	UNIPA
12.15 - 12.25	German solar cooling project SOLARSPLIT	Felix Loistl	HM
12.25 - 12.35	SunOyster concept and product	Carsten Corino	SunOyster
12.35 - 12.45	Task 53 Subtask C Tool	Daniel Neyer	UIBK
12.45 - 13.00	MIDEA – KAYSUN latest developments	Eduardo Romano	FRIGICOLL

**13.00 - 14:30**

**Lunch Break**

## New Generation Solar Cooling & Heating Systems (PV or solar thermally driven systems)

13.00 - 14:30

Lunch Break

**3<sup>rd</sup> Block : Working groups session 1 :**

14:30 - 14:45	Organization of Group discussions on Work Package level (5-6 people max per item)	Daniel Mugnier	TECSOL
14:45 – 18:00	Meeting in parallel on Working groups level.		

**End of the working Day 1**

**Dinner: ANSORENA RESTAURANT AT 20:00 pm**

## New Generation Solar Cooling & Heating Systems (PV or solar thermally driven systems)

**4<sup>th</sup> Block : Working groups session 2 :**

09:00 - 09:15	Organization of Group discussions on Work Package level (5-6 people max per item)	Daniel Mugnier	TECSOL
09:15 - 11:00	Meeting in parallel on Working groups level; Suggested topics:		

**11:00- 12:00**

**Coffee Break + Technical Session + Photo**

## New Generation Solar Cooling & Heating Systems (PV or solar thermally driven systems)

11:00- 12:00

Coffee Break + Technical Session + Photo

**5<sup>th</sup> Block : Plenary & overall**

12.00 - 12.15	Subtask A : Report on working group items, planning of next steps; distribution of work.	Tim Selke	AIT
12.15 - 12.30	Subtask B : Report on working group items, planning of next steps; distribution of work.	Roberto Fedrizzi	EURAC
12.30 - 12.45	Subtask C : Report on working group items, planning of next steps; distribution of work.	Fredrik Wallin	MDH
12.45 - 13.00	Subtask D : Report on working group items, planning of next steps; distribution of work.	Daniel Mugnier	TECSOL
13.00 - 13.30	General items, next meetings, miscellaneous.	Daniel Mugnier	TECSOL

**INFORMAL SPANISH LUNCH AT ATECYR, END OF THE MEETING**

