
INTERNATIONAL ENERGY AGENCY
SOLAR HEATING AND COOLING PROGRAMME



ARENA

IEA Solar Heating & Cooling Technology Collaboration Programme

APVI AGM

29 December 2021

Ken Guthrie - Australian SHC ExCo member

Survived online meetings!!!



More participants but .. not as easy to communicate. Changing the way Tasks operate

Background

- IEA SHC TCP focuses on **End-uses** of Lighting and Heating & Cooling powered by solar thermal systems or PV
- Collaboration is Key to getting good outcomes. Joint tasks with:
 - PVPS
 - SolarPACES
 - EBC
 - ECES
 - DHC

Task Update

Current tasks

Task 59: Renovating Historic Buildings Towards Zero Energy

Task 61: Integrated Solutions for Daylight and Electric Lighting

- AU participant A/Prof Veronica Garcia Hansen, QUT

Task 62: Solar Energy in Industrial Water and Wastewater Management

- AU participant Prof Mikel Duke, Victoria Univ

Task 63: Solar Neighborhood Planning

- AU participant Dr Mark Snow

Task 64: Solar Cooling for the Sunbelt Regions

- AU participant Prof Lu Aye, Melb Uni

Task 65: Solar Process Heat

- AU participant Ken Guthrie

Task 66: Solar Energy Buildings - Heating, Cooling, Electricity, e-mobility

- AU participant A/Prof Rebecca Yang, RMIT

Task 68: Efficient Solar District Heating Systems



Task Update

Proposed new Tasks

Smart solar hot water for 2030 – AU and China leading Task Development

- A/Prof Robert Taylor UNSW Operating Agent,
- Dean Clift Rheem – Subtask Leader
- Topic will cover PV powered water heating and thermosyphon water heating



New Daylighting Task

- AU participant A/Prof Veronica Garcia Hansen, QUT

Knowledge sharing (International)

■ Solar Academy

- Webinars: Now more friendly hours for Aust. Participants all webinars recorded for later viewing
- In 2021 T63, T62 and “Solar Heating and Cooling Markets & Trends”

■ Solar Heat Worldwide <https://www.iea-shc.org/solar-heat-worldwide>

■ International SHC Conference

- with ISES Eurosun Sept 2022 in Germany

■ Solar award Applications open soon

“Recognition of a Solar Heating or Cooling project to reduce energy use and costs in social housing.”



Knowledge sharing (National)

- Knowledge Sharing program
 - Two reports on T63
 - Media on PVT and Webinars
 - Thanks!! - Trudie Jarnason and Steph Bond Hutkin
- Solar Heat Worldwide AU data
 - Thanks!! David Ferrari

Thank you! Questions?

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