

Integrating National Research Agendas on Solar Heat for Industrial Processes

Fact Sheet

Project Information

INSHIP

Grant agreement ID: 731287

[Project website](#) 

Status

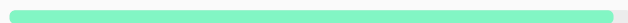
Ongoing project

Start date

1 January 2017

End date

31 December 2020



Funded under

H2020-EU.3.3.5.

H2020-EU.3.3.2.

H2020-EU.3.3.3.

H2020-EU.3.3.4.

Overall budget

€ 2 858 798,75

EU contribution

€ 2 498 661,25

Coordinated by

FRAUNHOFER GESELLSCHAFT
ZUR FOERDERUNG DER
ANGEWANDTEN FORSCHUNG
E.V.



Germany

Objective

Despite process heat is recognized as the application with highest potential among solar heating and cooling applications, Solar Heat for Industrial Processes (SHIP) still presents a modest share of about 0.3% of total installed solar thermal capacity. As of today's technology development stage – economic competitiveness restricted to low temperature applications; technology implementation requiring interference with existing heat production systems, heat distribution networks or even heat consuming processes - Solar thermal potential is mainly identified for new industrial capacity in outside Americas and Europe. In this context, INSHIP aims at the

definition of a ECRIA engaging major European research institutes with recognized activities on SHIP, into an integrated structure that could successfully achieve the coordination objectives of: more effective and intense cooperation between EU research institutions; alignment of different SHIP related national research and funding programs, avoiding overlaps and duplications and identifying gaps; acceleration of knowledge transfer to the European industry, to be the reference organization to promote and coordinate the international cooperation in SHIP research from and to Europe, while developing coordinated R&D TRLs 2-5 activities with the ambition of progressing SHIP beyond the state-of-the-art through: an easier integration of low and medium temperature technologies suiting the operation, durability and reliability requirements of industrial end users; expanding the range of SHIP applications to the EI sector through the development of suitable process embedded solar concentrating technologies, overcoming the present barrier of applications only in the low and medium temperature ranges; increasing the synergies within industrial parks, through centralized heat distribution networks and exploiting the potential synergies of these networks with district heating and with the electricity grid.

Programme(s)

Topic(s)

Call for proposal

H2020-LCE-2016-ERA

Funding Scheme

RIA - Research and Innovation action

Coordinator



**FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN
FORSCHUNG E.V.**

Address

Hansastraße 27C
80686 München

 Germany

[Website](#) 

Activity type

Research Organisations

[Contact the organisation](#) 

EU contribution

€ 564 391,25

Participants (28)



CENTRO DE INVESTIGACIONES ENERGETICAS, MEDIOAMBIENTALES Y TECNOLOGICAS-CIEMAT

 Spain

EU contribution

€ 298 736,25

Address

**Avenida Complutense 40
28040 Madrid**

[Website](#) 

Activity type

Research Organisations

[Contact the organisation](#) 



AEE - INSTITUT FUR NACHHALTIGE TECHNOLOGIEN

 Austria

EU contribution

€ 207 358,69

Address

**Feldgasse 19
8200 Gleisdorf**

[Website](#) 

Activity type

Research Organisations

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FONDAZIONE BRUNO KESSLER

 Italy

EU contribution

€ 199 190

Address

**Via Santa Croce 77
38122 Trento**

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Activity type

Research Organisations

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UNIVERSIDADE DE EVORA

 Portugal

EU contribution

€ 200 771,25

Address

**Largo Dos Colegiais 2
7000 803 Evora**

[Website](#) 

Activity type

**Higher or Secondary
Education Establishments**

[Contact the organisation](#) 



THE CYPRUS INSTITUTE

 Cyprus

EU contribution

€ 203 215

Address

**Constantinou Kavafi 20
2121 Nicosia**

[Website](#) 

Activity type

**Higher or Secondary
Education Establishments**

[Contact the organisation](#) 



CENTRE FOR RENEWABLE ENERGY SOURCES AND SAVING FONDATION

 Greece

EU contribution

€ 199 190

Address

**Marathonos 19Th Km
19009 Pikermi**

[Website](#) 

Activity type

Research Organisations

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EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH

 Switzerland

EU contribution

€ 0

Address

**Raemistrasse 101
8092 Zuerich**

[Website](#) 

Activity type

**Higher or Secondary
Education Establishments**

[Contact the organisation](#) 



COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES

 France

EU contribution

€ 199 261,25

Address

**Rue Leblanc 25
75015 Paris 15**

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Activity type

Research Organisations

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MIDDLE EAST TECHNICAL UNIVERSITY

 Turkey

EU contribution

€ 195 482,56

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**Dumlupinar Bulvari 1
06800 Ankara**

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Activity type

**Higher or Secondary
Education Establishments**

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ALLIANCE EUROPEENNE DE RECHERCHE DANS LE DOMAINE DE L'ENERGIE

 Belgium

EU contribution

€ 61 065

Address

**Rue De Namur 72
1000 Bruxelles**

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Activity type

Other



CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS

 France

EU contribution

€ 10 000

Address

**Rue Michel Ange 3
75794 Paris**

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Activity type

Research Organisations

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DEUTSCHES ZENTRUM FUR LUFT - UND RAUMFAHRT EV

 Germany

EU contribution

€ 10 000

Address

**Linder Hohe
51147 Koln**

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Activity type

Research Organisations

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AGENZIA NAZIONALE PER LE NUOVE TECNOLOGIE, L'ENERGIA E LO SVILUPPO ECONOMICO SOSTENIBILE

 Italy

EU contribution

€ 10 000

Address

**Lungotevere Grande
Ammiraglio Thaon Di Revel 76
000196 Roma**

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Activity type

Research Organisations

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CONSIGLIO NAZIONALE DELLE RICERCHE

 Italy

EU contribution

€ 10 000

Address

**Piazzale Aldo Moro 7
00185 Roma**

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Activity type

Research Organisations

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UNIVERSITA DEGLI STUDI DI PALERMO

 Italy

EU contribution

€ 10 000

Address

**Piazza Marina 61
90133 Palermo**

[Website](#)

Activity type

**Higher or Secondary
Education Establishments**

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UNIVERSITA DEGLI STUDI DI NAPOLI FEDERICO II

 Italy

EU contribution

€ 10 000

Address

**Corso Umberto I, 40
80138 Napoli**

[Website](#)

Activity type

**Higher or Secondary
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UNIVERSITA DEGLI STUDI DI FIRENZE

 Italy

EU contribution

€ 10 000

Address

Activity type

Piazza San Marco 4
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Higher or Secondary
Education Establishments

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Laboratorio Nacional de Energia e Geologia I.P.

Portugal

EU contribution

€ 10 000

Address

Rua Da Amieira
4466-901 S.mamede De
Infesta

Activity type

Research Organisations

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ASSOCIACAO DO INSTITUTO SUPERIOR TECNICO PARA A INVESTIGACAO E DESENVOLVIMENTO

Portugal

EU contribution

€ 10 000

Address

Avenida Rovisco Pais 1
1049 001 Lisboa

Activity type

Research Organisations

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FUNDACION CENER

Spain

EU contribution

€ 10 000

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Avenida Ciudad De La
Innovacion 7
31621 Sarriguren

Activity type

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Fundacion IMDEA Energia

Spain

EU contribution

€ 10 000

Address

Activity type

Avenida Ramon De La Sagra 3
28935 Mostoles Madrid

Research Organisations

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FUNDACION CENTRO TECNOLOGICO AVANZADO DE ENERGIAS RENOVABLES DE ANDALUCIA

Spain

EU contribution

€ 0

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**Calle Paraje Los Retamares
Sn
04200 Tabernas Almeria**

Activity type

Research Organisations

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FUNDACION TECNALIA RESEARCH & INNOVATION

Spain

EU contribution

€ 10 000

Address

**Parque Cientifico Y
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Paseo Mikeletegi 2
20009 Donostia/san Sebastian
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Activity type

Research Organisations

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FUNDACION TEKNIKER

Spain

EU contribution

€ 10 000

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20600 Eibar Guipuzcoa**

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UNIVERSIDAD DE SEVILLA

Spain

EU contribution

€ 10 000

Address

**Calle S. Fernando 4
41004 Sevilla**

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Activity type

**Higher or Secondary
Education Establishments**

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**CENTRO DE INVESTIGACION COOPERATIVA DE ENERGIAS ALTERNATIVAS
FUNDACION, CIC ENERGIGUNE FUNDAZIOA**

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EU contribution

€ 10 000

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**Calle Albert Einstein 48
Parque Tecnologico De Alava
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Activity type

Research Organisations

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CRANFIELD UNIVERSITY

United Kingdom

EU contribution

€ 10 000

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**College Road
MK43 0AL Cranfield -
Bedfordshire**

[Website](#)

Activity type

**Higher or Secondary
Education Establishments**

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UNIVERSITAT POLITECNICA DE CATALUNYA

Spain

EU contribution

€ 10 000

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08034 Barcelona**

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Activity type

**Higher or Secondary
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