



# INSHIP Project Description



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| <b>INSHIP</b>        | Integrating National Research Agendas on Solar Heat for Industrial Processes<br>H2020 LCE-33-2016 (RIA), GA: 731287  |
| <b>Duration</b>      | 01.01.2017 – 31.12.2020 (48 months)  |
| <b>Coordination:</b> | Fraunhofer ISE  <b>Fraunhofer</b> |

INSHIP aims at the **definition of a European Common Research and Innovation Agenda (ECRIA)** engaging major European research institutes, with relevant and recognized activities **on Solar Heat to Industrial Processes** into an integrated structure

- coordination objectives
- coordinated R&D activities (TRLs 2 to 5)

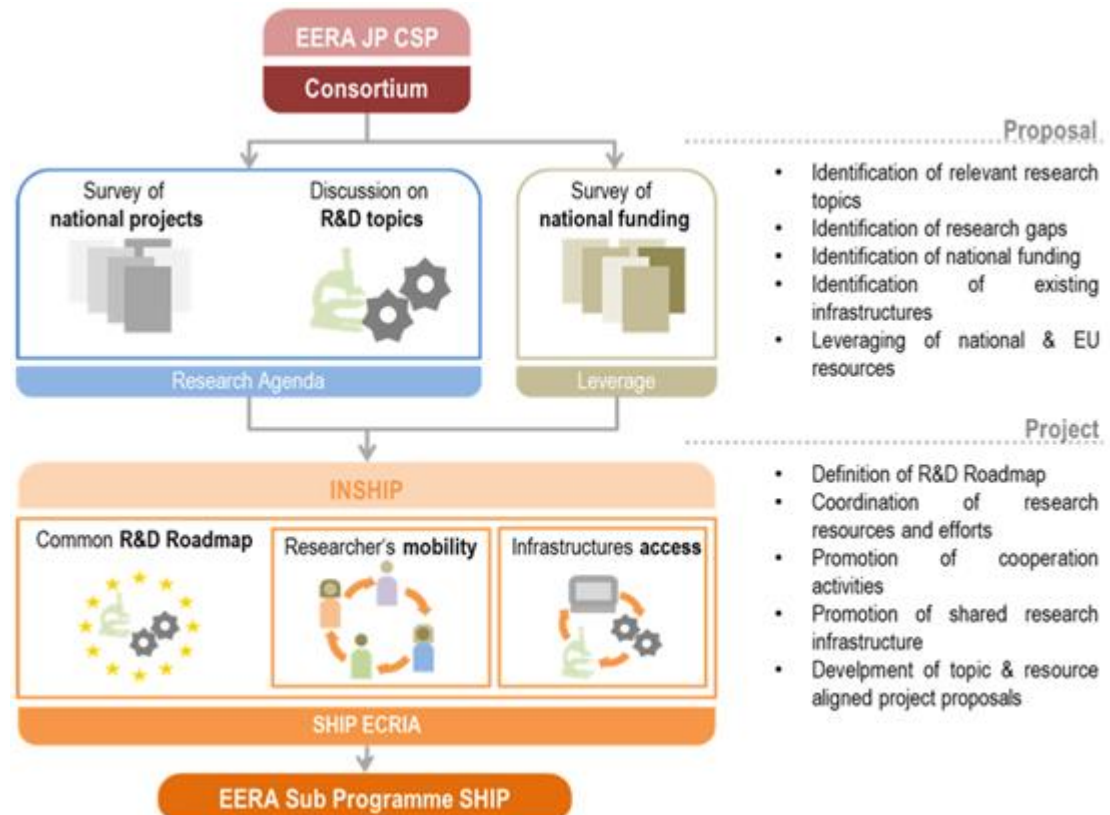
# Participants

|   |                |
|---|----------------|
| FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV                                  | Germany        |
| CENTRO DE INVESTIGACIONES ENERGETICAS, MEDIOAMBIENTALES Y TECNOLOGICAS-CIEMAT                       | Spain          |
| ARBEITSGEMEINSCHAFT - ERNEUERBARE ENERGIE - INSTITUT FUR NACHHALTIGE TECHNOLOGIEN                   | Austria        |
| FONDAZIONE BRUNO KESSLER  | Italy          |
| UNIVERSIDADE DE EVORA   | Portugal       |
| THE CYPRUS INSTITUTE  | Cyprus         |
| KENTRO ANANEOSIMON PIGON KE EXIKONOMISIS ENERGEIAS (CENTRE FOR RENEWABLE ENERGY SOURCES AND SAVING) | Greece         |
| EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH   | Switzerland    |
| COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES                                      | France         |
| MIDDLE EAST TECHNICAL UNIVERSITY  | Turkey         |
| ALLIANCE EUROPEENNE DE RECHERCHE DANS LE DOMAINE DE L'ENERGIE                                       | Belgium        |
| CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE  | France         |
| DEUTSCHES ZENTRUM FUER LUFT - UND RAUMFAHRT EV  | Germany        |
| AGENZIA NAZIONALE PER LE NUOVE TECNOLOGIE,L'ENERGIA E LO SVILUPPO ECONOMICO SOSTENIBILE             | Italy          |
| CONSIGLIO NAZIONALE DELLE RICERCHE  | Italy          |
| UNIVERSITA DEGLI STUDI DI PALERMO   | Italy          |
| UNIVERSITA DEGLI STUDI DI NAPOLI FEDERICO II.   | Italy          |
| UNIVERSITA DEGLI STUDI DI FIRENZE   | Italy          |
| Laboratorio Nacional de Energia e Geologia I.P.   | Portugal       |
| ASSOCIACAO DO INSTITUTO SUPERIOR TECNICO PARA A INVESTIGACAO E DESENVOLVIMENTO                      | Portugal       |
| FUNDACION CENER-CIEMAT  | Spain          |
| Fundacion IMDEA Energia   | Spain          |
| FUNDACION CENTRO TECNOLOGICO AVANZADO DE ENERGIAS RENOVABLES DE ANDALUCIA                           | Spain          |
| FUNDACION TECNALIA RESEARCH & INNOVATION  | Spain          |
| FUNDACION TEKNIKER  | Spain          |
| UNIVERSIDAD DE SEVILLA  | Spain          |
| CENTRO DE INVESTIGACION COOPERATIVA DE ENERGIAS ALTERNATIVAS FUNDACION                              | Spain          |
| CRANFIELD UNIVERSITY  | United Kingdom |

## INSHIP focus

**1) Definition of an ECRIA**  
consolidating existing EU  
and national resources  
**towards a SHIP R&D  
Roadmap**

**2) Operationalization**  
through the engagement of  
a wide range of EU R&D  
institutions, **in coordinated  
R&D developed through  
researcher's mobility  
and infrastructure access  
schemes**



Ensuring a coordination of efforts around specific research activities, the project is structured in:

## Coordination and Support Actions

- **WP1** ECRIA Consortium Coordination
- **WP6** Integrated SHIP research infrastructures
- **WP7** Integration of EU resources and Dissemination
- **WP8** Advanced Networking Activities

## Coordinated Projects (R&D)

- **WP2** Technology and applications to low temperature SHIP (80-150°C)
- **WP3** Technology and applications to medium temperature SHIP (150-400°C)
- **WP4** Technology and applications to high temperature SHIP (400-1500°C)
- **WP5** Hybrid energy systems and emerging process technologies

# CSA and CP integration

## Integration of coordination and research activities

