Integrating National Research Agendas on Solar Heat for Industrial Processes

Reporting

Project Information

**INSHIP**

Grant agreement ID: 731287

Project website [link]

**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

Periodic Reporting for period 2 - INSHIP (Integrating National Research Agendas on Solar Heat for Industrial Processes)

**Reporting period:** 2018-01-01 to 2019-06-30

Summary of the context and overall objectives of the project

Gathering the participation of 28 European R&D institutions from 12 countries, Project INSHIP aims at the establishment of a European Common Research and Innovation Agenda (ECRIA) engaging major
Work performed from the beginning of the project to the end of the period covered by the report and main results achieved so far

Along this second reporting period, covering the first 30 months of the project, the main progresses were related to:
- the development and implementation of project coordination and support procedures within the Consortium: document templates, reporting rules, project management tools, besides the implementation of the project website;
- set up of coordination activities, such as the National Stakeholders Groups and ruling of the Stakeholders Group, the definition of Research Infrastructures, the implementation and operationalization of the Infrastructure Access and Research Mobility Schemes, implementation of the IP Repository or the deployment of a formal alignment of the project activities with the EERA JP CSP;
- successfully completed first mobility actions within the Infrastructure Access Scheme and the Researcher Mobility Scheme;
- a clear definition of concrete Research Activities and Consortia, based on both EC and in-kind contributions, aligned with each of the Tasks defined in the different Coordinated Projects;
- creation of first results within the concrete Research Activities and Consortia;
- overall successful delivery of Project Deliverables and achievement of project Milestones by the end of the reporting period;

Progress beyond the state of the art and expected potential impact (including the socio-economic impact and the wider societal implications of the project so far)

Alignment of R&D activities in SHIP, as proposed in the ECRIIA, will pursue concrete objectives ambition of progressing SHIP beyond the state-of-the-art regarding:
- technology integration aspects: supporting the integration of LT and MT solar thermal technologies...
• technology integration aspects: supporting the integration of LT and MT solar thermal technologies in industrial applications (reliability and durability of components, integration into existing heat distribution networks, integration into industrial processes);
• solar technology development aspects: through the development of HT solar thermal technologies or low TRL designs for LT and MT technologies aiming an efficient use of available area for the installation of solar fields in industrial sites;
• energy system integration aspects: through the development of hybridization concepts, centralized heat distribution networks, thermal storage management or process intensification related activities.

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