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EU SOLARIS

The European Research Infrastructure
for Concentrated Solar Power

EU-SOLARIS Coordinator

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EU-SOLARIS Scope

EU-SOLARIS aims to create a new legal entity to explore and implement new and improved rules and procedures for Research Infrastructures (RI) for Concentrating Solar Thermal (CST) and Solar Chemistry technologies, in order to optimise RI development and Research and Technology Development (RTD) coordination.

EU-SOLARIS is expected to be the first of its kind, where industrial needs will play a significant role and private funding will complement public funding.

EU-SOLARIS Activities

EU-SOLARIS is currently under the Preparatory Phase. In this, the activity development is distributed into eight Work Packages. The structure combines horizontal activities (management, legal consultancy, human resources, communication) and vertical activities (knowledge breakdown, systems, project management, measures). The project activities are further grouped according to four principal issues, all of them coordinated and monitored by the management. The issues are the following:

- EU-SOLARIS constitution and relationships strengthening
- EU-SOLARIS distributed facility and logistical activities
- External activities to assess the EU-SOLARIS impact and outreach
- Related technology activities.

EU-SOLARIS Objectives

EU-SOLARIS intends to provide the most complete, high quality scientific infrastructure portfolio at international level and to facilitate researchers' access to highly specialised research infrastructure through a single access point. This will be accomplished by linking scientific communities, industry and universities involved in the CST sector.

Moreover, it is expected to increase the efficient use of the economic and human resources required throughout the European research context. EU-SOLARIS will provide efficient resource management to complement research and to avoid unnecessary technological duplication and repetition.

EU-SOLARIS Vision

- *Become a unique distributed RI for CST technologies*
- *Optimize RI development and RTD coordination by creating a new legal entity to explore and implement new and improved rules and procedures for RI for CST technologies*
- *Ensure the alignment of the RI activities with the industry's needs*
- *Maintain Europe at the forefront of CST technologies development*

Project Coordinator

CTAER: Advanced Technology Centre for Renewable Energies (Spain)

Project Consortium

- **CIEMAT-PSA:** Centro de Investigaciones Energeticas, Medioambientales y Tecnologicas-Plataforma Solar de Almería (Spain)
- **MINECO:** Ministerio de Economía y Competitividad (Spain)
- **Cyl:** The Cyprus Research and Educational Foundation – The Cyprus Institute (Cyprus)
- **ESTELA:** European Solar Thermal Electricity Association
- **CNRS:** National Center for Scientific Research (France)
- **DLR:** German Aerospace Center (Germany)
- **APTL-CERTH:** Centre for Research and Technology Hellas (Greece)

- **CRES:** Centre for Renewable Energy Sources and Saving (Greece)
- **ENEA:** Agenzia Nazionale per le Nuove Tecnologie, L'energia e lo Sviluppo Economico Sostenibile (Italy)
- **WEIZMANN:** Weizmann Institute of Science (Israel)
- **LNEG:** Laboratório Nacional de Energia e Geologia, I.P. (Portugal)
- **U.EVORA:** Universidade de Evora (Portugal)
- **GÜNAM:** Middle East Technical University (Turkey)
- **SELCUK U:** Selcuk Universitesi (Turkey)

Project Details

Duration: 48 months

Start date: 01-11-2012

End date: 31-10-2016

Composition

- 15 partners from 9 countries
- 13 key Scientific Centres
- 1 Ministry
- The EU STE Industry Association

Budget

Total cost: 6 M€

EU contribution: 4.45 M€

Involved Key Actors

Industry
Key professionals
Scientific communities
Policy makers
General public
Students

Abbreviations

CST: Concentrating Solar Thermal
RI: Research Infrastructure
RTD: Research and Technology Development
STE: Solar Thermal Electricity

