

***Scientific and Technological Alliance for
Guaranteeing the European Excellence in
Concentrating Solar Thermal Energy***



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Project Deliverable 1.9:

STAGE-STE Project Website

WP1 – Task 1.1	Deliverable 1.9
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1. INTRODUCTION

One part of the activities of the project is the generation and maintenance of a project webpage, which has the following principal objectives:

Public area:

- To inform the public on the objectives and achievements of STAGE-STE Project
- To inform the public about the Project Consortium
- To provide the possibility for the public to enter in contact with the Project Consortium

Private (restricted) area (access granted only to the consortium and the EC):

- To serve as a communication tool among the Project Consortium for distributing information
- To store all relevant information (internal and official reports, reports on deliverables, other documents, etc.), so they are available from all over the world (provided that the user has access)

This report on the Deliverable 1.9 of STAGE-STE Project tries to document the successful set-up of the webpage as well as its main features. The link to the project webpage is: <http://www.stage-ste.eu>

2. WEBSITE STRUCTURE

STAGE-STE Project website is divided into two main areas: Public Area and Private Area

2.1. Public Area

Public area contains the following sub-pages:

- Home (Basic information on the project)
- **Overview** (Overview of the technical aims of the project)
- **Project Tasks** (Overview of the structure of the project)
- **Project Partners** (List of the partners linked to a presentation of everyone)
- **Project Results** (List and/or description of the public results achieved. Public deliverables will also be included here)
- **Press**
 - **Press Releases** (List of press releases related to the project)
 - **Dissemination** (List of public documents for project dissemination)
- **Job Offers** (Job Offers from project partners related to open CSP positions)
- **Links**
 - **Partner Links** (Useful links to the partner webpages)
 - **Other Links** (Useful links to other institutions)
- **Upcoming Events** (Links to most relevant and related upcoming events)
- **Partners Only** (Link to the password-restricted private section accessible only to the project partners by individual username and password)

The next figures show some illustrative examples for the public area:

STAGE-STE
EUROPEAN ENERGY RESEARCH ALLIANCE

HOME OVERVIEW PROJECT TASKS PROJECT PARTNERS PROJECT RESULTS PRESS JOB OFFERS LINKS UPCOMING EVENTS PARTNERS ONLY

Concentrating Solar Thermal Energy encompasses Solar Thermal Electricity (STE), Solar Fuels, Solar Process Heat and Solar Desalination that are called to play a major role in attaining energy sustainability in our modern societies due to their unique features:

- 1) Solar energy offers the highest renewable energy potential to our planet;
- 2) STE can provide dispatchable power in a technically and economically viable way, by means of thermal energy storage and/or hybridization, e.g. with biomass.

However, significant research efforts are needed to achieve this goal. This Integrated Research Programme (IRP) engages all major European research institutes, with relevant and recognized activities on STE and related technologies, in an integrated research structure to successfully accomplish the following general objectives:

- a) Convert the consortium into a reference institution for concentrating solar energy research in Europe, creating a new entity with effective governance structure;
- b) Enhance the cooperation between EU research institutions participating in the IRP to create EU added value;
- c) Synchronize the different national research programs to avoid duplication and to achieve better and faster results;
- d) Accelerate the transfer of knowledge to industry in order to maintain and strengthen the existing European industrial leadership in STE;
- e) Expand joint activities among research centres by offering researchers and industry a comprehensive portfolio of research capabilities, bringing added value to innovation and industry-driven technology;
- f) Establish the European reference association for promoting and coordinating international cooperation in concentrating solar energy research.

To that end, this IRP promotes Coordination and Support Actions (CSA) and, in parallel, performs Coordinated Projects (CP) covering the full spectrum of current concentrating solar energy research topics, selected to provide the highest EU added value and filling the gaps among national programs.

CENTRO DE INVESTIGACIONES ENERGETICAS, MEDIOAMBIENTALES Y TECNOLOGICAS-CIEMAT - DEUTSCHES ZENTRUM FUER LUFT - UND RAUMFAHRT EV - PAUL SCHERRER INSTITUT - CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. - AGENZIA NAZIONALE PER LE NUOVE TECNOLOGIE, L'ENERGIA E LO SVILUPPO ECONOMICO SOSTENIBILE - EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZURICH - COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES - THE CYPRUSÅ INSTITUTE LIMITED -

Figure 1: Home page of STAGE-STE Project website

No	Name	Short name	Country
1	CENTRO DE INVESTIGACIONES ENERGETICAS, MEDIOAMBIENTALES Y TECNOLOGICAS-CIEMAT	CIEMAT	Spain
2	DEUTSCHES ZENTRUM FUER LUFT - UND RAUMFAHRT EV	DLR	Germany
3	PAUL SCHERRER INSTITUT	PSI	Switzerland
4	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE	CNRS	France
5	FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V	FISE	Germany

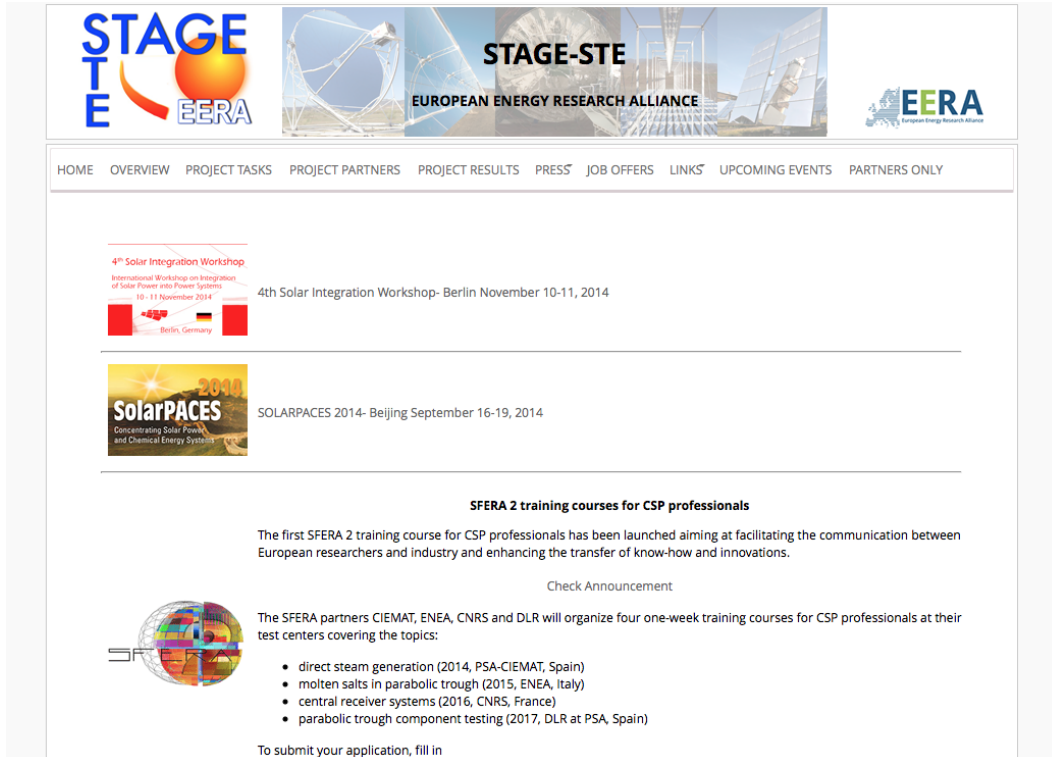
Figure 2: Project partners list



Figure 3: Press - Dissemination



Figure 4: Links – Other links



The screenshot shows the STAGE-STE project website with the following content:

- Navigation Menu:** HOME, OVERVIEW, PROJECT TASKS, PROJECT PARTNERS, PROJECT RESULTS, PRESS, JOB OFFERS, LINKS, UPCOMING EVENTS, PARTNERS ONLY
- 4th Solar Integration Workshop:** International Workshop on Integration of Solar Power into Power Systems, 10-11 November 2014, Berlin, Germany.
- SolarPACES 2014:** Concentrating Solar Power and Chemical Energy Systems, Beijing, September 16-19, 2014.
- SFERA 2 training courses for CSP professionals:** The first SFERA 2 training course for CSP professionals has been launched aiming at facilitating the communication between European researchers and industry and enhancing the transfer of know-how and innovations. Check Announcement.
- SFERA partners:** CIEMAT, ENEA, CNRS and DLR will organize four one-week training courses for CSP professionals at their test centers covering the topics:
 - direct steam generation (2014, PSA-CIEMAT, Spain)
 - molten salts in parabolic trough (2015, ENEA, Italy)
 - central receiver systems (2016, CNRS, France)
 - parabolic trough component testing (2017, DLR at PSA, Spain)
- Submission:** To submit your application, fill in

Figure 5: Upcoming events

2.2. Private area

Private area contains the following sub-pages:

- **Home** (Welcome to restricted area and Access to EMDESK tool)
- **Meetings** (Meetings Calendar with specific meetings subsections)
 - **General Assembly Meetings** (compulsory attendance of the whole project consortium)
 - **General Coordination Meetings** (compulsory attendance of European research partners but not needed from industrial and non-European project partners)
 - **Management Board Meetings** (STAGE-STE management board group)
 - **Project Workshops** (to be defined in each case)
 - **Specific Technical Meetings** (related to specific defined activities of technical Work Packages, including WP6)
 - **EERA Meetings** (initially restricted to EERA JP-CSP Steering Committee)
- **Reports**
 - **Deliverables** (deliverables submitted to the EC will be allocated here)
 - **KPIs** (Key Performance Indicators)
- **Financial** (Financial information of the project. This area provides an additional level of security where each partner can only access to information about the overall budget and his own budget). Inside this section there is a menu with the whole list of project partners and the access to each one is requiring an additional and different username and

password (also different from the one used to access the private area). This second layer of security is justified for the requirement (from several partners) to do not provide access to financial information to staff from the own or external institutions. A master password (i.e. valid to access to the financial information of all partners) also exist but it is provided only to the EC Project Officer. The information to be included within this section will be, basically, the evolution of the budget executed and pending by each individual partner, to try to help, as much as possible, the periodic financial justifications and reporting.

- **Repository** (Repository of documents distributed by Work Package. Here all relevant related documents will be placed)
 - **WP1** (Documents repository of WP1 Consortium Governance and Management Issues)
 - **WP2** (Documents repository of WP2 Integrating Activities to Lay the Foundations for Long-lasting Research Cooperation)
 - **WP3** (Documents repository of WP3 Enhancement of STE Research Facilities Cooperation)
 - **WP4** (Documents repository of WP4 Capacity Building and Training Activities)
 - **WP5** (Documents repository of WP5 Relationship with Industry & Transfer of Knowledge Activities)
 - **WP6** (Documents repository of WP6 International Cooperation Activities)
 - **WP7** (Documents repository of WP7: Thermal Energy Storage for STE Plants)
 - **WP8** (Documents repository of WP8: Materials for Solar Receivers and STE Components)
 - **WP9** (Documents repository of WP9: Solar Fuels)
 - **WP10** (Documents repository of WP10: STE plus Desalination)
 - **WP11** (Documents repository of WP11: Linear focusing STE Technologies)
 - **WP12** (Documents repository of WP12: Point focusing STE Technologies)
- **Publications** (Made publications in SCI Open Access Journals and Conferences in the frame of different project activities)
- **Other Documents**
 - **Grant Contract** (Administrative documents)
 - **Action Items** (list of fulfilled and pending action items, defined at General Assembly and General Coordination meetings)
 - **Detailed Description of Work** (Detailed task description by workpackage)
 - **Consortium Agreement**
 - **Templates** (Official project document templates)
- **Contacts**
 - **Contacts by Work Packages**
 - **Contacts by Partner**
 - **General Assembly**
 - **Management Board**
- **Public area** (Back access to the website public area)

The next figures show some illustrative examples from the STAGE-STE website private area.



Figure 6: Home page with access to EMDESK

A direct link to EMDESK (project management software specifically developed to assist in the development of EC projects) tools has been added at the home of the restricted site to facilitate the interaction between the two tools (defined with high complementarity).

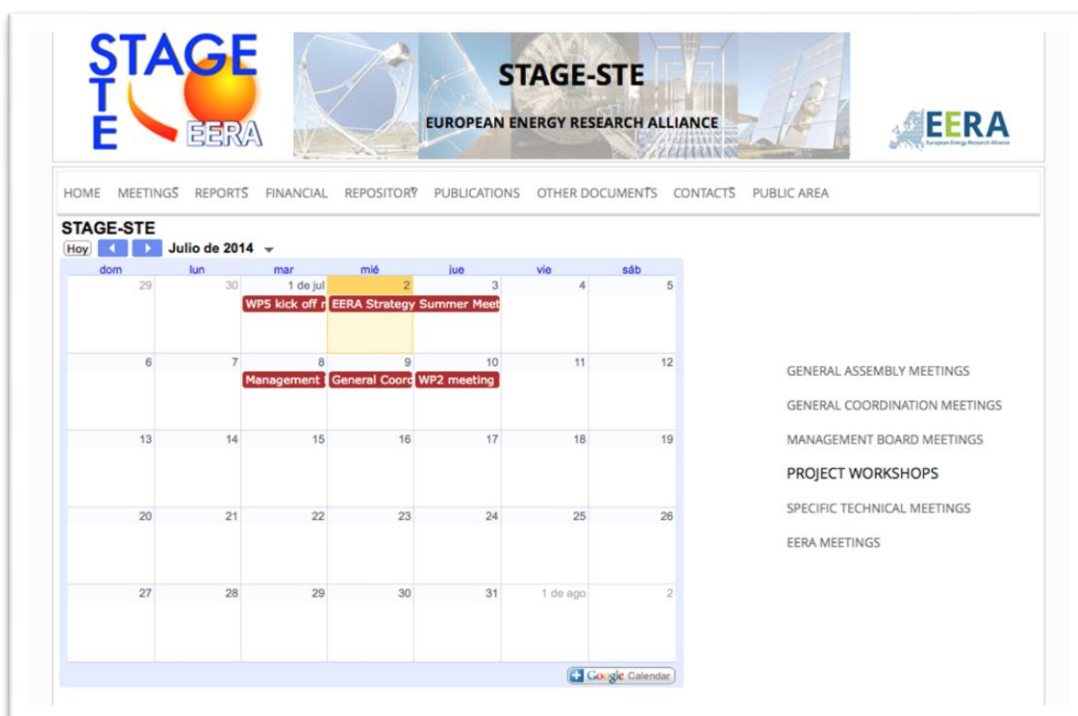


Figure 7: Meetings Calendar

The screenshot shows the STAGE-STE project website header with logos for STAGE STE EERA and EUROPEAN ENERGY RESEARCH ALLIANCE. Below the navigation menu, a table titled 'STAGE-STE' lists action items with columns for No., Action Items, Responsible, Deadline, and Status.

No.	Action Items	Responsible	Deadline	Status
71	All partners are kindly requested to send to Project Coordinator, with copy to Work Package Coordinators, the exhaustive list of all staff personnel to be involved into the project (including project website and IP repository)	All project partners	28/02/14	
72	Creation and allocation at project website of different distribution lists	CIEMAT	14/03/14	
2	Definition of specific WP1 Working Group(s) and start of networking activities	CIEMAT	15/03/14	
4	Definition of specific WP2 Working Group(s) and start of networking activities	CYI	15/03/14	
10	Definition of specific WP3 Working Group(s) and start of networking activities	CTAER	15/03/14	
13	Definition of specific WP4 Working Group(s) and start of networking activities	CNRS	15/03/14	
17	Definition of specific WP5 Working Group(s) and start of networking activities	CEA	15/03/14	
23	Definition of specific WP6 Working Groups and start of networking activities	FISE	15/03/14	
27	Definition of specific WP7 Working Group of staff personnel and start of related networking activities	ENEA	15/03/14	
28	Updating of WP7 Description of Work to correct any possible existing incoherencies	ENEA	15/03/14	
32	Definition of specific WP8 Working Group of staff personnel and start of related networking activities	DLR	15/03/14	
36	Definition of specific WP9 Working Group of staff personnel and start of related networking activities	PSI	15/03/14	
..	Definition of specific WP10 Working Group of staff personnel and start of			

Figure 8: Action Items

The screenshot shows the STAGE-STE project website header with logos for STAGE STE EERA and EUROPEAN ENERGY RESEARCH ALLIANCE. Below the navigation menu, a table titled 'Links - Contacts list of STAGE-STE General Assembly' lists work packages with columns for WP No., WP Title, Participant short name, Name, and Email address.

WP No.	WP Title	Participant short name	Name	Email address
WP1	Overall Programme Coordination	PSA-CIEMAT	Julián Blanco	julian.blanco@psa.es
WP2	Integrating Activities to Lay the Foundations for Long-lasting Research Cooperation	CYI	Costas Papanicolas	cnp.energy@cyi.ac.cy
WP3	Enhancement of CSP Research Facilities cooperation	CTAER	Isabelle Seigneur	isabelle.seigneur@ctaer.com
WP4	Capacity Building and Training Activities	PROMES-CNRS	Gilles Flamant Marie Prouteau	Gilles.Flamant@promes.cnrs.fr Marie.Prouteau@promes.cnrs.fr
WP5	Relationship with Industry / Transfer of Knowledge	CEA	Benoît Sénéchal	benoit.senechal@cea.fr
WP6	International Cooperation	Fraunhofer-ISE	Werner Platzer	werner.platzer@ise.fraunhofer.de
WP7	Thermal Energy Storage for CSP Plants	ENEA	Walter Gaggioli	walter.gaggioli@enea.it
WP8	Materials for Solar Receivers and CSP Components	DLR	Peter Heller	peter.heller@dlr.de
WP9	Solar Fuels	PSI	Anton Meier	Anton.Meier@psi.ch
WP10	CSP plus Desalination	PSA-CIEMAT	Diego Alarcón	diego.alarcon@psa.es
WP11	Linear focusing CSP Technologies	PSA-CIEMAT	Loreto Valenzuela	loreto.valenzuela@psa.es
WP12	Point focusing CSP Technologies	CENER	Marcelino Sánchez	msanchez@cener.com

Figure 9: Links – Contacts list of STAGE-STE General Assembly

3. STATISTICS OF USAGE

Google Analytics tool has been also added to STAGE-STE website in order to track access to the website. The following figure shows the first access data obtained for the website.

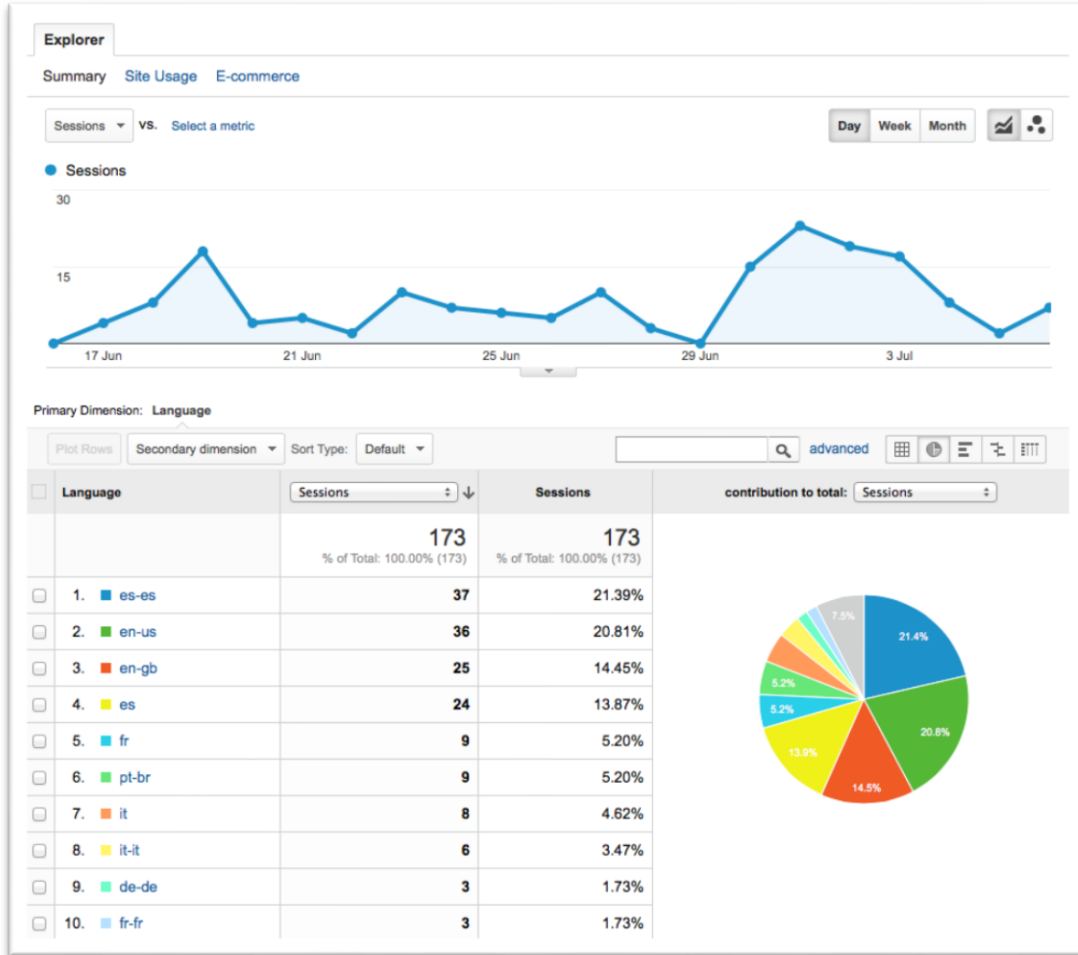


Figure 10: Sample of Google Analytics screenshot for STAGE-STE Project website