

MUSTEC Analytical Framework

PAST

Historical background:

We identify and base our further analyses on the lessons learnt from past cooperation initiatives and experiences from historical CSP development.

PRESENT

Current market conditions and policy framework:

We analyse main structural constraints and push factors in regulatory/policy and market environments for CSP deployment.

FUTURE

Possible scenarios and alternative futures:

We explore and identify possible future transition pathways of the European power system

Contact Details

Project Coordinator

Name: Dr. Natalia Caldes Gomez

Centro de Investigaciones Energeticas,
Medioambientales y Tecnologicas
(CIEMAT)

Email: natalia.caldes@ciemat.es

Dissemination Leader

Name: Prof. Alexandros Flamos

University of Piraeus Research Centre,
Technoeconomics of Energy and
Environmental Systems Laboratory
(UPRC – TEES Lab)

Email: aflamos@unipi.gr

Contact Person

Name: Dr. Alexandra Papadopoulou

University of Piraeus Research Centre,
Technoeconomics of Energy and
Environmental Systems Laboratory
(UPRC – TEES Lab)

Email: alexpapa@unipi.gr



Market Uptake of Solar Thermal Electricity

Visit us at:

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MUSTEC Aim

Market Uptake of Solar Thermal Electricity through Cooperation

In the light of the EU 2030 Climate and Energy framework, **MUSTEC** aims to explore and propose concrete solutions to overcome the various factors that hinder the **deployment** of concentrated solar power (**CSP**) projects in Southern Europe capable of supplying renewable electricity on demand to Central and Northern European countries.

The key MUSTEC objectives focus on:

Identifying the barriers

holding CSP back and limiting its expansion in Europe, in the context of the energy and climate targets of 2030 and beyond

finding the drivers

the potential niches in which intra-European CSP trade can play an important role for the decarbonisation, stabilisation and integration of the European power system

Proposing Policy solutions

to overcome the identified obstacles and create the necessary enabling conditions for European CSP growth

MUSTEC Approach

To achieve these objectives, MUSTEC will build on the experience and knowledge generated around the **cooperation mechanisms** and **CSP industry developments** building on concrete **CSP case studies**.

In this respect, MUSTEC combines :

- a dedicated, comprehensive and multi-disciplinary analysis of **past, present and future CSP cooperation opportunities** with
- a constant engagement and consultation with **policy makers and market participants**.

Expected Outcomes

Identify and analyze relevant issues

that may constitute an obstacle as well as an opportunity for the future supply of electricity on demand from STE plants in Southern to Central and Northern European countries from now to 2030.

Identify the right framework conditions

that will enable CSP to play a relevant role in the future European regional cooperation under win-win conditions for all involved parties.

Identify a set of potential STE projects

that could meet the right framework conditions to become eligible projects for regional cooperation in Europe.

Propose a roadmap and action plan

to go from the status quo to the right framework conditions so that CSP electricity exports from Southern to Northern Countries become a reality.