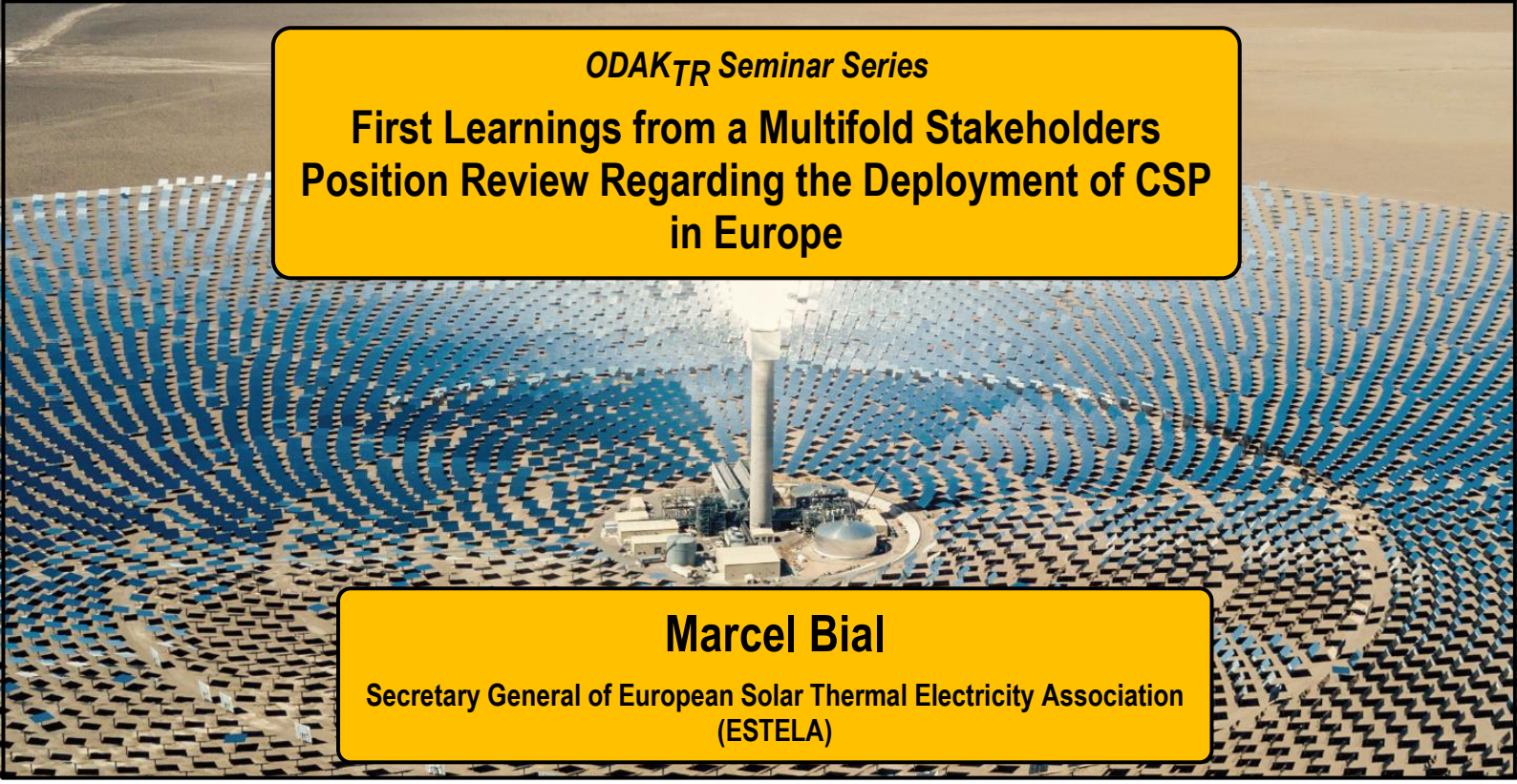


ODAK$_{TR}$ Seminar Series

First Learnings from a Multifold Stakeholders Position Review Regarding the Deployment of CSP in Europe

Marcel Bial

Secretary General of European Solar Thermal Electricity Association (ESTELA)

Live Seminar Time and Date: 12:00-13:00 (Turkish time / GMT + 3)

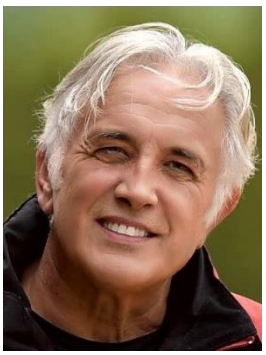
Friday, Feb. 19, 2021

Recorded Seminar: Link distributed to registered participants after the live seminar is complete.

Register at: Link

Registration for live seminar closes at 10:00, Thursday, 18 Feb. 2021: To receive the link to the live seminar you must register by 10:00, Thursday, 18 Feb. 2021.

Abstract: The EC supports a project (HORIZON-STE or short H-STE) that aims at investigating in several countries in the EuroMed zone the potential development of CSP in the wider context of their respective national energy policies. H-STE analyses the positions of major actors (ministries, regulators, system operators, industry companies as well as research entities), and will provide to the European Commission pathways to a better integration of perspectives and strategies. The first results of this exercise will be reported in the seminar.



Short Bio: Marcel Bial is since May 2013 Secretary General of ESTELA, the European Solar Thermal Electricity Association. The main focus of ESTELA is to support the deployment of CSP solutions in Europe and the Euro-Mediterranean zone as a part of the global efforts of the Renewable Energy System (RES) sector to decarbonize the European power sector, and to ensure a sustainable energy supply. Prior to joining ESTELA, Marcel served as head of System Development at the European Network of Transmission System Operators (ENTSO-E), following his position as Secretary General of the Union for the Coordination of Transmission of Electricity (UCTE) in Brussels from 2002 to 2009. He has an in-depth experience with the Brussels-based energy associations and stakeholders' engagement across EU and non-EU countries. He also worked as consultant to EU-funded projects outside Europe, and looks back on a 25-year of experience in the power industry with Verbund Group in Vienna (main utility in Austria).

About ESTELA: ESTELA, the European Solar Thermal Electricity Association, is a European Industry Association created in 2007 to support the emerging European solar thermal electricity industry for the generation of green power in Europe and abroad, mainly in the Mediterranean region. ESTELA involves and is open to all main actors in Europe and aboard: promoters, developers, manufacturers, utilities, engineering companies, research institutions to promote high and mid temperature solar technologies for the production of thermal electricity to move towards sustainable energy systems, to support research and innovation, including vocational training, and favoring equal opportunities, to promote excellence in the planning, design, construction and operating of thermal electricity plants, to promote thermal electricity at

international level, mainly in the Mediterranean area and developing countries, to co-operate at international level to contribute to combat climate change, to represent the solar thermal electricity sector at European and world level. ESTELA closely collaborates with EU and international institutions in the fields of sustainable energy, climate change, environment, research and economic growth based on innovation

About ODAK$_{TR}$: *ODAK$_{TR}$* is a national CST initiative led by METU-GÜNAM with objectives to

1. Support Turkey's energy transition through the development and commercialization of CST technologies;
2. Catalyze domestic CST economic activity by supporting growth in markets, industrial capacities, and industrial activities;
3. Strengthen Turkey's CST Research and Innovation (R&I) capacities, including by creating globally competitive CST research opportunities at Turkish universities.

One of *ODAK$_{TR}$*'s main strategies to achieve these objectives is through harmonization of national activities with EU CST initiatives by strengthening and exploiting synergies created by METU-GÜNAM's role as Turkey's National Node for the CST European Research Infrastructure Consortium (ERIC) EU-SOLARIS, and participation in 5 EU H2020 projects: 1. SolarTwins; 2. HORIZON-STE; 3. SFERA-III; 4. INSHIP; and 5. GeoSmart.

About the ODAK$_{TR}$ Seminar Series: Through the ODAK$_{TR}$ Seminar Series, leading CST experts from METU-GUNAM's strategic CST partners CIEMAT-PSA (Spain) and DLR (Germany) and other CST experts will give seminars targeting the Turkish CST community and tailored to support realization of ODAK$_{TR}$'s objectives. The ODAK$_{TR}$ Seminar Series is being executed within the framework of the H2020 Project SolarTwins. The current ODAK$_{TR}$ Seminar Series schedule is as follows, with all seminars from 12:00-13:00 Turkish time:

Date	Speaker, Institution	Seminar Title	Recorded Seminar Links
18 Dec. 2020	Prof. Dr. Eduardo Zarza, CIEMAT-PSA, Spain	An Introduction to Concentrating Solar Thermal (CST) Technologies and Applications	Not Recorded
08 Jan. 2021	Dr. Yelda Erden-Topal, UPM & CIEMAT, Spain, and METU TEKPOL, Turkey	CST in Turkey: Current State and National Strategies to Exploit Opportunities	Link
15 Jan. 2021	Dr. Florian Wiesinger, DLR - Institute of Solar Research, Germany	Quality Assessment and Accelerated Aging Experiments of Optical Components for CSP Plants	Link
22 Jan. 2021	PhDc. Gkiokchan Moumin, DLR - Institute of Future Fuels, Germany	Calcination of Cement Raw Meal in a Solar Rotary Kiln and Heat Transfer Challenges	Link
5 Feb. 2021	Dr. Inmaculada Polo, CIEMAT-PSA, Spain	Antibiotic Resistant Bacteria: occurrence and removal from urban wastewater	Link
12 Feb. 2021	Dr. Reiner Buck, DLR - Institute of Solar Research, Germany	Solar Particle Technology for Dispatchable Power and Heat Generation	To be completed
19 Feb. 2021	Marcel Bial, ESTELA- The European Solar Thermal Electricity Association	First learnings from a multifold stakeholders position review regarding the deployment of CSP in Europe	To Be Completed
26 Feb. 2021	Dr. Isabel Oller, CIEMAT-PSA, Spain	Water-Energy-Food nexus in industrial and urban wastewater recovery	To Be Completed

About the H2020 SolarTwins Project: The aim of the SolarTwins project is to step-up the scientific excellence of the promising CST Research Division *ODAK* of METU-GÜNAM (Coordinator) in collaboration with the internationally leading CST institutions CIEMAT-PSA (Spain) and DLR (Germany). SolarTwins includes 4-weeks of CST summer schools at METU taught by leading experts from CIEMAT-PSA and DLR, and METU graduate students co-advised by experts from CIEMAT-PSA and DLR. An expected impact is the establishment of competitively-funded METU-CIEMAT and METU-DLR Joint Research Lines.

Seminar Co-Sponsored by HORIZON-STE Project:

The aim of the Horizon-STE project is to provide scientific and industrial support to the Implementation of the European Initiative for Global Leadership in Solar Thermal Electricity (STE) as part of the European Integrated SET-Plan (Strategic Energy Technology Plan). The project is coordinated by ESTELA (Belgium) and CIEMAT, DLR, ENEA (Italy), and METU are partners. METU's main contributions are to support the Work Package to Maximize the Research and Innovation Impact, to Lead the Task to Evaluate the Implementation of this Initiative, and to support the analysis of European CST Stakeholders. https://www.horizon-ste.eu/

About METU-GÜNAM's CST Research Division *ODAK*: ODAK includes a diverse set of academics and researchers who are actively contributing to METU-GÜNAM's National and European CST activities:

Burcu AKATA KURÇ	MNT, METU	Feyza KAZANÇ	ME, METU
Derek BAKER	ME, METU	Zöhre KURT	EnvE, METU
Özgür BAYER	ME, METU	Tuba OKTUCU ÖZYURT	EI, ITU
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EU Projects and Activities Showcased by ODAK$_{TR}$

ODAK$_{TR}$ Organizing Institutions

Funding Agencies Supporting Projects Showcased by ODAK$_{TR}$

The European Union projects have received funding from the Horizon 2020 research and innovation program under grant agreements No 856619 (SolarTwins), 838514 (HORIZON-STE), 731287 (INSHIP), 823802 (SFERA-III), and 818576 (GeoSmart).

Funding for METU-GÜNAM's CST Research Infrastructure for SFERA-III was provided by the Turkish Ministry of Development under grant 2015K121200.