



HORIZON
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Implementation of the Initiative for Global
Leadership in Solar Thermal Electricity



2ND GENERAL ASSEMBLY

23 April 2020
11:00 – 13:00
Online meeting



The project has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement No 838514.

AGENDA



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TIME	ITEMS	PRESENTER
11:00	Welcome	ESTELA
11:00	Key results from country visits <ul style="list-style-type: none">▪ Iberian perspective: Spain and Portugal▪ Central European perspective: Germany, Belgium	ESTELA
11:45	R&I Landscape and Funding in Germany, Turkey and Spain	DLR, CIEMAT, METU, ENEA
12:15	Discussion with IWG, project officer, and stakeholders <ul style="list-style-type: none">▪ Main challenges and obstacles▪ Expectations and supports▪ Next steps	All
13:00	End of Meeting	



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DISCUSSION

FOR DISCUSSION (1)



1. "Delayed" interest for CSP – no critical need for balancing energy > sunset

- Available interconnection capacity in well interconnected regions and much power available across the European network
- TSOs working on “smart system integration” (= gas + electricity) and other tools (e. g. VPP or virtual inertia through power electronics for balancing purposes).
 - **This allows us to point at the hidden costs of varRES that are not currently taken into account in current auction designs**

2. Impact of high curtailments

- Unavoidable, “marginal” effect of grids with high amount of (var)RES, but not a deal breaker.
 - **But what about induced market distortions (artificial prices) and the impact on business cases for developers of varRES?**

FOR DISCUSSION (2)



3. Sector facing a split front

- Interest for CST varies from country to country (available solar resources, own industrial capacities, national champions...)
 - **But all countries are eager to see how a combination of technologies would support their strategy towards decarbonisation (never talking about energy system or even less power system alone)**

4. Storage should be promoted separately from generation

(independently of the charging source)

- **Allows indeed a different/novel use/service to the power system (firmness, strategic reserve) at low cost especially when adding it to existing plants.**

TOPICS FOR DISCUSSION (3)



The CST sector should articulate clear value propositions linked to the identified national approaches (with recurrent short term interest in H2 deployment and SHIP - Solar Heat for Industrial Processes)

- How can PV+CSP solutions be actively promoted for increasing the capacity factor of electrolyzers?
- How should member states trigger such proposals by industry? Which would be the evaluation criteria in such auctions? Would regulatory “sandboxes” help?
- **Wide “open field” for research** about a EU wide integration of the on-going “national smart system integrations”, especially when the concept extends to the energy system instead of the mere power system. **Will H-EU calls respond to this?**



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CONTACT

contact@horizon-ste.eu



@ESTELA_SOLAR ; #HORIZON_STE



ESTELA (<https://m.estela.solar/LinkedIn>)



www.horizon-ste.eu



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