

## PANTERA REGIONAL VIRTUAL WORKSHOP

### “Energy transition through optimal use of the rich Renewable Energy Resources of the Mediterranean basin”

at [MedPower 2020](#)

10th and 11th November 2020

The workshop will cover different aspects the energy transition needs to address in order to contribute efficiently to the Energy targets of EU. The status of the smart grids regional evolution will be presented, while use cases covering technologies -such as Energy storage, Demand Response, Renewables and Electric mobility- will be highlighted, which are critical to the energy transition, including the Energy Communities and the Operators’ perspective.

The workshop will mainly host activities and content of the [Horizon 2020 CSA project PANTERA](#), complimented with the work / results of the NAVIGANT / SWECO contract and the [Horizon 2020 project INTERPLAN](#).

Under this prism, the Navigant/SWECO consortium, who has been providing technical assistance to the European Commission on offshore grid concepts for the Mediterranean Sea, adding to the planned offshore renewable energy agenda for the European Union, will present their study on Day 1.


The study will be covering:

- Analysis of potential for offshore power generation at sea (offshore wind, wave, tidal) and on Energy communities of islands (PV and wind onshore)
- Development of energy production scenarios
- Comparative evaluation of offshore grid options
- Inventory of region-specific implementation challenges and barriers
- Key recommendations.

The INTERPLAN project focuses on providing solutions and tools to the operators for managing the grid with high RES penetration and emerging technologies, especially applicable to the challenges of the non-interconnected islands of the Mediterranean.



Each of the presentations in all sections will specifically refer to challenges in resources, gaps in networking, regulation and/or finance. Under this defined context, the PANTERA process and its potential in supporting the EU R&I community especially countries with low activity in this field, will be of particular value. These will be analysed and discussed in a fully interactive way.

Each presentation will be followed by a facilitated Q&A/discussion actively involving the workshop participants.

Time Zone: South Eastern Europe (CET +1)																
Time	Content	Presenter/Moderator														
<b>Day 1 of PANTERA– 10 November 2020</b>																
14:00	Welcome words	Dr. Venizelos Efthymiou, PANTERA coordinator, FOSS Cyprus chairman														
14:05-14:20	Setting the scene: Why PANTERA? Main objectives and building the PANTERA process.	Dr. Venizelos Efthymiou, (FOSS)														
<i>1. Energy Policy and R&amp;D&amp;I needs</i>																
14:20-14:40	EC R&I policy and trends; Pan-European challenges on R&I in Energy; Clean Energy Package and PCI; H2020 – HEU - SF	Mario Dionisio Project Officer, (European Commission)														
<i>2. Status on grids and R&amp;D&amp;I in participating Member States: what is being done</i>																
14:40-15:40	<p>NAVIGANT - RES driving the energy transition: The potential of the Mediterranean Region.</p> <table border="0"> <thead> <tr> <th>Time</th> <th>Title</th> </tr> </thead> <tbody> <tr> <td>14.40-14.45</td> <td>Opening and introduction</td> </tr> <tr> <td>14.45-14.55</td> <td>Offshore RES potential identified                             <ul style="list-style-type: none"> <li>• Approach</li> <li>• Ten identified “best sites” (and why)</li> <li>• Key conclusions</li> </ul> </td> </tr> <tr> <td>14.55-15.05</td> <td>Offshore generation scenarios                             <ul style="list-style-type: none"> <li>• Approach</li> <li>• Scenarios</li> <li>• Key conclusions</li> </ul> </td> </tr> <tr> <td>15.05-15.20</td> <td>Identified grid interconnection for the ten technology mix zones                             <ul style="list-style-type: none"> <li>• Approach</li> <li>• 5 most interesting concepts</li> <li>• Potential for combining offshore energy connections with planned interconnectors</li> </ul> </td> </tr> <tr> <td>15.20-15.25</td> <td>Key project recommendations</td> </tr> <tr> <td>15.25-15.40</td> <td>Q&amp;A and discussion</td> </tr> </tbody> </table>	Time	Title	14.40-14.45	Opening and introduction	14.45-14.55	Offshore RES potential identified <ul style="list-style-type: none"> <li>• Approach</li> <li>• Ten identified “best sites” (and why)</li> <li>• Key conclusions</li> </ul>	14.55-15.05	Offshore generation scenarios <ul style="list-style-type: none"> <li>• Approach</li> <li>• Scenarios</li> <li>• Key conclusions</li> </ul>	15.05-15.20	Identified grid interconnection for the ten technology mix zones <ul style="list-style-type: none"> <li>• Approach</li> <li>• 5 most interesting concepts</li> <li>• Potential for combining offshore energy connections with planned interconnectors</li> </ul>	15.20-15.25	Key project recommendations	15.25-15.40	Q&A and discussion	<p>Konstantin Staschus, (Navigant)</p> <p>Lou Ramaekers, (Navigant)</p> <p>Frank Krönert, (Sweco)</p> <p>Simon Lindroth and Frank Krönert, (SWECO)</p> <p>Iza Kielichowska, (Navigant)</p> 
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15:40-15:50	<b>Coffee break</b>															



15:50-15:55	Opening Remarks for the Roundtable 1 and objectives.	Christina Papadimitriou (FOSS)
15:55-16:00	Introducing the Glisser tool for on line voting.	Mohamed Shalaby (DERlab)
16:00-16:50	Roundtable 1: Analysis with open discussion aimed at identifying areas of concern of the R&I community in the field of energy systems, supporting the strategy for energy transition apart from financing mechanisms in fulfilling their research endeavours, gaps that exist, supporting actions required and next steps.	Round table discussion with the active involvement of the participants through electronic voting.  Coordinated by Luciano Martini (RSE-EERA JP for SG) and includes Marcelo Barboni (JRC), Nestor Fylaktos (CYI) and Christina Papadimitriou (FOSS)
16:50-17:00	Summary of findings and conclusions.	Andrei Morch (SINTEF)
17:00	<b>End of day 1 of PANTERA</b>	

	<b>Day 2 of PANTERA/INTERPLAN – 11 November 2020</b> 	
10:30-10:45	INTERPLAN project and the integrated network operation planning tool: A support for the operators to efficiently manage a network with high share of RES and other emerging technologies.	Ata Khavari (DERlab)
10:45-10:55	A showcase of INTERPLAN tool: Maintain frequency stability in low inertia systems through innovative inertia management and fast frequency restoration control functions.	Christina Papadimitriou (FOSS)
10:55-11:45	Roundtable 2: An interactive discussion on the Research questions that lie on the road to the energy transition triggered by the priorities set within NECPs (main objective to co-shape the most urgent research questions to be addressed in the next 5 years).	Open interaction with the participants through electronic voting; coordinated by Rad Stanev (TUS)    Participants: Ivan Matejak (SUPEERA – 10 min on effective link of NECPs with SET Plan energy transition strategy) George Partasides (Ministry), Antonis Ioulianos (ΙΑΕΚ), Tasos Gregoriou (DSO)
11:45-12:00	<b>Coffee break</b>	



12:00-12:05	Opening Remarks for the Roundtable 3 and objectives	Tasos Tsitsanis (Suite5)
12:05-13:05	Roundtable 3: The PANTERA initiative in focus: Regional stakeholders discussing their expectations from PANTERA on how PANTERA can facilitate the active collaboration with Research and Innovation stakeholders?	Round table discussion with the active involvement of the participants through electronic voting – Coordinated by Anna Mutule and stakeholders Fanos Karantonis (OEB), Nicolas Jarraud (CYI) and Tasos Tsitsanis (Suite5)
13:05-13:15	Summary of findings and conclusions	Venizelos Efthymiou (FOSS)
<b>End of day 2 of PANTERA</b>		

### PANTERA Consortium

