



## **Workshop and General Assembly Meeting, 8-10 November 2017**

### **Agenda**



Escuela Técnica Superior de Ingeniería (ETSI), Universidad de Sevilla  
Camino de los Descubrimientos s/n  
41092 Sevilla, Spain

### **Contact Points:**

**Prof. Jose L. Martinez-Ramos**

E: [jl.martinez.ramos@gmail.com](mailto:jl.martinez.ramos@gmail.com)

T: +34 954481275

**Dr. Alejandro Marano**

E: [alejandromm@us.es](mailto:alejandromm@us.es)

T: +34 954481281

**DAY I – Wednesday, 8<sup>th</sup> November 2017**

## **Workshop: Design of Smart Microgrids**

<b>Timing</b>	<b>Topic</b>
08:45	Gathering
08:45 - 09:00	Welcome and Workshop arrangements
9:00 - 9:30	<b>Presentation of the ERANET-MED Project</b> <b>“3DMicroGrid: Design, Development and Demonstration of a Smart Microgrid”</b> <b>Dr. Salem Al-Agtash, Project Coordinator</b>
9:30 - 10:30	<b>Lecture 1. Smart Grids and Storage: keys to a decarbonized future</b> <b>Antonio Gomez-Exposito, Fellow IEEE, Universidad de Sevilla (UoS)</b>
<b>10:30 - 11:00</b>	<b>Coffee break</b>
11:00 - 14:00	<b>Lecture 2. Microgrid Stability Analysis and Modeling</b> <b>Rodrigo Palma-Behnke, IEEE SM, SERC-Chile, Universidad de Chile</b>
<b>14:00 - 15:00</b>	<b>Launch Break</b>
15:00 - 16:00	<b>Lecture 3. Power Conversion Systems for Microgrids</b> <b>Pedro Rodriguez-Cortes, Fellow IEEE, Universidad Loyola Andalucía</b>
<b>16:00 – 16:30</b>	<b>Coffee break</b>
16:30 – 17:30	<b>Lecture 4. Lessons learnt from real-world operating microgrids</b> <b>Eckehard Tröster, Energynautics, Germany</b>
17:30 – 18:30	<b>Visit to UoS Power Group Research Lab</b>
<b>18:30</b>	<b>End of Workshop</b>

## DAY II – Thursday, 9<sup>th</sup> November 2017

Timing	Topic	Responsible Partner
09:30	Gathering	ALL
09:30 - 10:00	Welcome and meeting arrangements	GJU/UoS
10:00 - 10:40	<b>WP1: “Project Management”</b> <ul style="list-style-type: none"> <li><i>Deliverable 1.2 &amp; Milestone 2.2</i></li> <li><i>Annual report of the first year of the project</i></li> </ul>	GJU
10:40 - 10:50	Questions & Answers	ALL
10:50 - 11:20	<b>WP2: “Dissemination, Capacity Building, Mobility and Outreach”</b> <ul style="list-style-type: none"> <li><i>Deliverable 2.2: Brochure, poster &amp; newsletter (M12)</i></li> <li><i>Deliverable 2.4: Report on projects events &amp; mobilities (M12)</i></li> </ul>	UoS
11:20 - 11:30	Questions & Answers	ALL
11:30 - 12:00	<b>Coffee break</b>	<b>ALL</b>
12:00 - 12:20	<b>T3.1: “Operating Scenarios”</b> <ul style="list-style-type: none"> <li><i>Deliverable 3.1 (M9) &amp; Milestone 3.1 (M12)</i></li> </ul>	CERTH
12:20 – 12:40	<b>T3.2: “Constraints &amp; Requirements of the Electricity Grid and Power Systems, and Renewable Energy Sources (RES) and alternative Sources”</b> <ul style="list-style-type: none"> <li><i>Deliverable 3.2 (M9) &amp; Milestone 3.1 (M12)</i></li> </ul>	UoS
12:40 - 13:00	Questions & Answers	ALL
13:00 - 14:30	<b>Lunch Break</b>	<b>ALL</b>
14:30 - 15:00	<b>T3.3: “Evolutionary Requirements Refinement” (M9-M28)</b> <ul style="list-style-type: none"> <li>Planning &amp; Methodology</li> </ul>	SCAMRE
15:00 - 15:15	Questions & Answers	ALL
15:15 - 15:45	<b>T3.4: “Holistic Micro-Grid Performance Modelling and Characterization Framework” (M9-M28)</b> <ul style="list-style-type: none"> <li>Planning &amp; Methodology</li> </ul>	CERTH
15:45 - 16:00	Questions & Answers	ALL
16:00 – 16:30	<b>Coffee break</b>	<b>ALL</b>
16:30 – 16:50	<b>T5.1: “Pilot Definition, Evaluation Criteria and Key Performance Indicators” (M7-M19)</b> <ul style="list-style-type: none"> <li><i>Deliverable 5.1 (M14): Pilot definitions and evaluation criteria</i></li> </ul>	MCAST
16:50 - 17:00	Questions & Answers	ALL
17:00 - 17:20	<b>T5.2: “Pilot Validation Phase” (M10-M24)</b> <ul style="list-style-type: none"> <li>Planning &amp; Methodology</li> </ul>	MCAST
17:20 - 17:30	Questions & Answers	ALL
17:30 – 17:50	<b>T5.3: “Pilot Evaluation Phase” (M14-M32)</b> <ul style="list-style-type: none"> <li>Planning &amp; Methodology</li> </ul>	MCAST
17:50 - 18:00	Questions & Answers	ALL
18:00 – 18:15	<b>Summary and Discussion - Open Issues</b> End of Day II	ALL
20:30	<b>Dinner Invitation by UoS</b>	<b>ALL</b>

### DAY III – Friday, 10<sup>th</sup> November 2017

Timing	Topic	Responsible Partner
09:30	Gathering	ALL
09:30 – 10:00	<b>T4.1: “Dynamic Simulation Model for the MCAST Smart Micro-Grid” (M4-M19)</b> <ul style="list-style-type: none"> <li>Simulation Scale MCAST Pilot Assessment</li> <li>Issues &amp; Challenges observed so far</li> </ul>	UCY
10:00 - 10:15	Questions & Answers	ALL
10:15 - 10:45	<b>T4.2: “Definition of the SCADA system for Monitoring and Controlling the Smart Micro-Grid” (M7-M20)</b> <ul style="list-style-type: none"> <li>SCADA Requirements</li> <li>Communication Issues &amp; Challenges</li> </ul>	CERTH
10:45 - 11:00	Questions & Answers	ALL
11:00 - 11:30	Coffee break	ALL
11:30 – 12:00	<b>T4.3: “Design of Centralized Controller for Active Smart Micro-Grid Operation” (M10-M24)</b> <ul style="list-style-type: none"> <li>Issues &amp; Challenges observed so far</li> <li>Planning &amp; Methodology</li> </ul>	UCY
12:00 – 12:15	Questions & Answers	ALL
12:15 – 12:45	<b>T4.4: “Dynamic and stochastic optimization models and agent technologies for active smart micro-grids” (M15-M28)</b> <ul style="list-style-type: none"> <li>Planning &amp; Methodology</li> </ul>	UCY
12:45 - 13:00	Questions & Answers	ALL
13:00 – 13:15	<b>Remarks and Conclusions</b> Next Meetings Schedule	GJU/ALL
13:15 – 13:30	<b>Closure of the Meeting</b> List of Actions per partner	GJU/ALL
13:30 – 15:00	Lunch	ALL