

European project ERANETMED - NEXUS-14-044

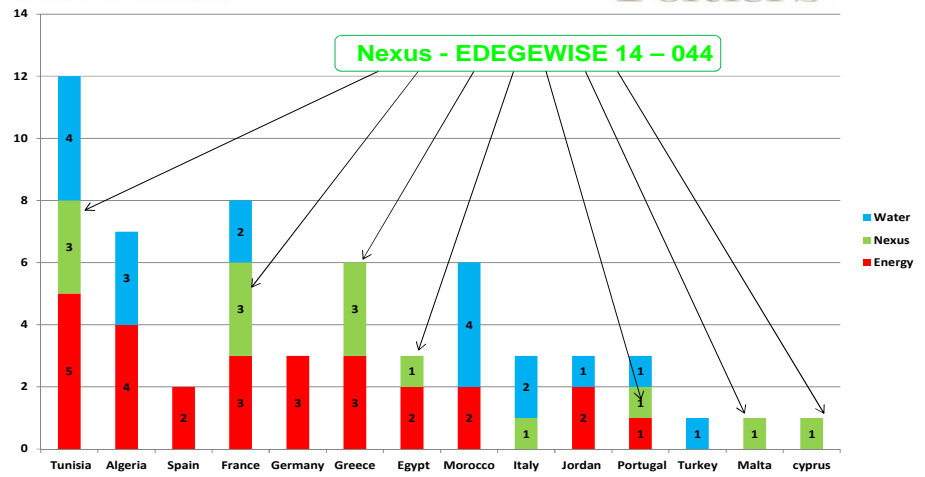


First Workshop on Water Energy Nexus 1-WWEN



Thursday, 18 May 2017

Africa Hotel - Tunis – Tunisia



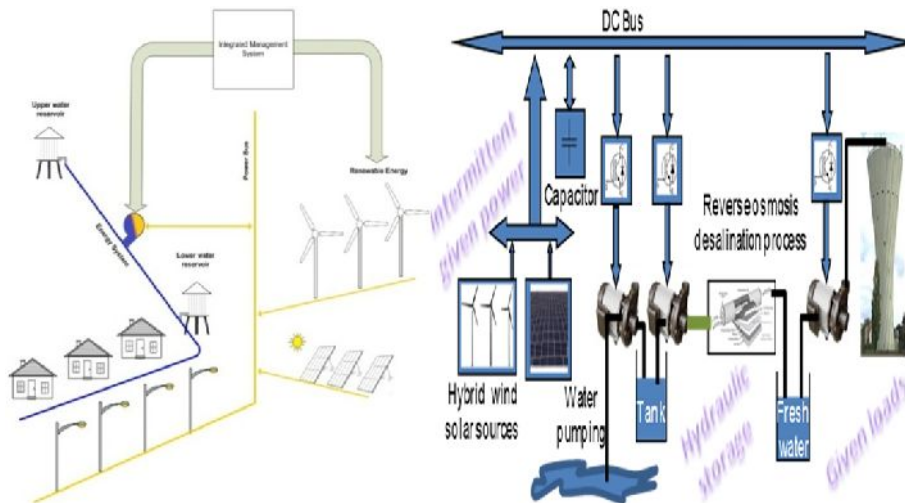
<http://www.edgewise.ubi.pt>

<http://www.edgewise.ubi.pt>

Workshop Water- Energy Nexus
General Chair : Pr Jamel BELHADJ, University of Tunis

Thursday, 18 May 2017

In the near future, both urban and rural environments will manage water and energy as an integrated system. The first situation directly leads us to the smart cities' concepts, where the city is ruled as an integrated environment where all systems inside it should cooperate to achieve an optimal point of operation. In the second, the intensive use of hydric resources comes with an increasing modernization of the agriculture by introducing electrical machinery and sensing networks which demand a growing energetic availability. Despite the differences found in these two environments, they share issues that can be solved by the same scientific foundations. Water and wastewater processes lack low energy technologies, whereas the application of renewable energy is hindered by low efficiency. In addition, these processes demand a constant supply of energy, while most renewable energy sources can't provide energy in continuous time base. The project EdGeWIsE will contribute to integrate the water and energy systems in a single and efficient system.



Urban context System

Rural context System

<http://www.edgewise.ubi.pt>

8h- 9h	Welcome and registration
9:00- 10:00	Pr Slim Khalbous, Minister of H.E&S.R Pr Khalil Amari, Secretary of State in charge of S,R Pr Hmaid Ben Aziza, President of University of Tunis Pr Abdelmajid Ben Amara, General Director of S.R Pr Ahmed CheikhElarbi, Dean of ENSIT Pr Ferid Kourda , Director of LSE-ENIT
10:00- 10:30	Pr Antonio Espirito-Santo, UBI – Project Manager Presentation of EdGeWIsE Project Chair : Pr Abdelmajid Ben Amara/ Pr Olfa Zribi
10:30-11:00	Pr Ilhem Slama Belkhodja, LSE-ENIT Smart Grids Or Micro-Grids ? Chair : Pr Khaled Ghedira G.D-ANPR
11:00-11:30	Coffee break and networking Posters of PhD Students
11:30-12:00	Pr Jamel Belhadj , ENSIT/LSE- Coordinator of the project Hybrid systems for electricity and/or water production Chair : Pr Abdelkader Chaari – LSIER-ENSIT
12:30 – 13:00	Pr Slim Tnani, Partner, LAIS-ENSIP University of Poitiers Energy Storage in Smart grid Chair : Pr Ferid Kourda LSE-ENIT
13:00 – 14:30	Lunch
14:30- 15:00	Pr Faouzi Ben Ammar, MMA-INSAT "Electrical fracturing of geo-materials by multi-level very high voltage generators" Chair : Pr Farthath Fnaiech CIME-ENSIT
15:00-15:30	Pr Antonio Espirito-Santo, UBI Smart Sensing in Energy and Water Systems Integration Chair : Pr Khaled Graya ENSTAB/Pr Kais Ouni SMS-ENI Car
15:30 – 16:00	Coffee break and networking Posters of PhD Students
16:00- 17:00	Round Table: Chair: Pr Mohamed Elleuch/Pr Latifa Bouselmi Water- Energy Nexus : The challenge

Friday, 19 May 2017: 9h- 12h

Visit of research laboratories

<http://www.edgewise.ubi.pt>