



Odysseus Final Event - @SBE2016 - 18-19 February 2016 Torino

The **Odysseus Project** is developing a decision support system (Open Dynamic System or ODYS) to support the management of energy supply, demand and storage in urban areas using an open integration platform. We would like to gather the views from experts in urban and building energy efficiency, ICT software development, the utility service sector, city and facilities management, urban design and planning.

The project includes two city pilots in Manchester and Rome. The Manchester pilot is a mature energy environment, whilst Rome is in the early stages of dealing with energy efficiency in public buildings. For these reasons the comparison of the different use cases and scenarios will enrich the project conclusions.

SBE 2016 Towards Post-Carbon Cities. The transition toward “post-carbon city” imposes new paradigms in the policy makers agenda. It requires a burst in the carbon-dependency of our urban systems, which has lead to current high levels of greenhouse gases. There is a need to establish new types of cities that are low-carbon as well as environmentally, socially and economically sustainable.

In the current transition, new uncertainties and vulnerabilities of cities are emerging, that require an holistic evaluation approach and new integrated collaborative methods and tools with the aim at assisting urban planners, built environment stakeholders and policy makers in their efforts to plan, design and manage post-carbon cities.

Themes of the event are:

- Strategies for sustainable urban development
- Sustainable university campus
- Methods and tools for assessment
- Decision making methods and tools at urban scale
- Policies and regulations for a sustainable built environment
- Training and education
- Sustainable urban districts retrofitting
- Sustainable districts: case studies

<http://odysseus-project.eu/>

<http://sbe16torino.org/>

Odysseus Sessions - 18th February 2016

14:00-15:30 - Session 1 - Odysseus solution and pilot results

- 15' - Odysseus Framework: Linked Energy Data - Enabling Monitoring and Decision Support for Improved Urban Energy Management - Michel Böhms (TNO)
- 15' - Odysseus - Open Dynamic System for Holystic Energy Management A case Pilot from the VIII Municipality of Rome - Cristina Fantini (Municipality of Rome)
- 15' - Odysseus – Manchester Pilot Study - Stephen Curwell (Manchester)
- 15' - The Odysseus HEMS (Holistic Energy Management System) Solution - Bruno Fies (CSTB)
- 30' - Odysseus System Demonstrations - Bruno Fies (CSTB)

15:30-16:00 - *Coffee Break*

16:00-17:30 - Session2 - Odysseus validation and adoption

- 10' - Odysseus System Requirements validation and adoption - Roberto Santoro (ESoCE-Net)
- 20' - Energy consumption reduction in urban areas – two cases from Rome and Manchester pilots in the Odysseus Project - Roberto Santoro (ESoCE-Net)
- 60' - Interactive session / round table with the audience - for pilot replication / take up in the Energy Efficiency Domain