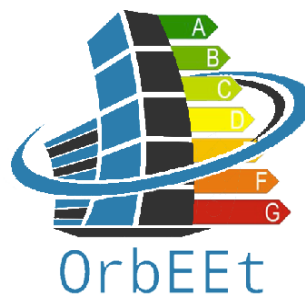




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Project Title:

ORganizational Behaviour improvement for Energy Efficient administrative public offices



OrbEEt

Grant Agreement No: 649753

Collaborative Project

Public Summary

Deliverable No.	D2.3 Open reference models for Systematic Enterprise Operational Rating and Enhanced Display Energy Certificates
Workpackage	WP2 Pilot Audits & Organizational Modelling
Task	T2.4 Open reference models for Systematic Enterprise Operational Rating and Enhanced Display Energy Certificates (E-DECS)
Lead beneficiary	BOC



1. PUBLISHABLE PUBLIC SUMMARY

This deliverable reports on the activities performed in T2.3 in the context of the OrbEEt project. More specifically the role of this task is to provide the semantic modelling of all necessary information for the collection and manipulation regarding energy user, business process modelling, building information model, organizational structures, etc. toward the calculation of Operational Ratings and Enhanced Display Energy Certificates as reference models. The term “reference model” is introduced as knowledge extracted during the execution of the pilot cases, anonymized, formalized and prepared for re-use at similar building structures, organisations and domains. These models are provided analogous to open source, in an open, re-useable format. As such these “Open Reference models aim to stimulate the collaboration between OrbEEt partners and the potential users of its outcomes, including start-ups and policy makers as these results are seen as exploitable assets and knowledge artefacts.

Therefore the role of the task and the corresponding public deliverable is twofold:

1. To provide the semantic modelling of the information for the collection of energy user, business process modelling, building information model, organizational structures, etc. toward the calculation of Operational Ratings and Enhanced Display Energy Certificates building upon pilot results from T2.2 (documented in D2.1).
2. To create the associated Open Reference models that can transfer the knowledge gained from the specific pilot sites to a wider range of applications in the same domain.

The semantic modelling is a specific representation of the overall OrbEEt Common Information Model presented in D1.4 while the reference models are further defined as abstract representation of the business processes defined in the project, associated with building characteristics and device elements as examined. The repository of open reference models is extended by previous project results of consortium partners. The open reference models are accessible as packages online for download, extension and feedback.

<http://orbeet.boc-group.eu/d2.3/>

The screenshot shows a web page titled "Energy-related Open Reference Models". The page content includes a paragraph explaining the project's goal: "The role of this document is to report the activities performed under T2.3. More specifically the role of this task is to provide the semantic modelling of all necessary information for the collection and manipulation regarding energy user, business process modelling, building information model, organizational structures, etc. toward the calculation of Operational Ratings and Enhanced Display Energy Certificates as reference models. The creation of these Open Reference models will stimulate the collaboration between OrbEEt participants and the potential users of its outcomes, including designers and policy makers, as these results are seen as exploitable assets and knowledge artefacts." Below this text are two buttons: "Download" and "Contact".

The page is divided into two main sections:

- OrbEEt Business Process Models:** This section contains four model cards:
 - Museum Management Processes:** (BM process) - The semantic model shows the operation and process of a museum.
 - Public Administration Processes:** (PA process) - The semantic model shows the operation and process of a public administration.
 - Clinical Research Processes and Processes:** (CR process) - The semantic model shows the operation and process of a clinical research process.
 - Construction Management in Historic Buildings:** (CM process) - The semantic model shows the operation and process of construction management in historic buildings.
- OrbEEt Semantic Modelling SEOR and vDECs:** This section contains one model card:
 - Semantic Model of SEOR and vDEC:** (SM process) - The semantic model shows the operation and process of a semantic model of SEOR and vDEC.

All of these packages have the following characteristics:

- Aim to be re-used by practitioners, researchers and developers: as open innovation items, the packages can be downloaded; human interpretable formats as well as machine interpretable formats based on standards (gbXML, BPMN DI) are provided.
- Gather feedback and enable collaboration: the packages are further extended by community feedback, content and material from previous projects is continuously collected and added to the model repository
- Common information architecture: the information architecture and good-practice from the project is provided for feedback and amendment.
- Exploitation input: the packages act as knowledge that is further applied during the exploitation of project results.

Currently, 4 packages from the project itself are made available as well as the overall information architecture and schema for developing stakeholders.