SEMANCO

SEMANTIC TOOLS FOR CARBON REDUCTION IN URBAN PLANNING

A research project co-funded by the FP7 "ICT systems for Energy Efficiency" program of the European Union, 2011/2014

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Welcome from Leandro

The SEMANCO project is drawing to an end. In this final newsletter we look forward to the future and inform you of our plans to exploit our findings. We have enjoyed working on the SEMANCO project. We hope you continue to find the results of our efforts useful. Thank you for your interest and we look forward to hearing from you soon.

Leandro Madrazo, SEMANCO Project Coordinator
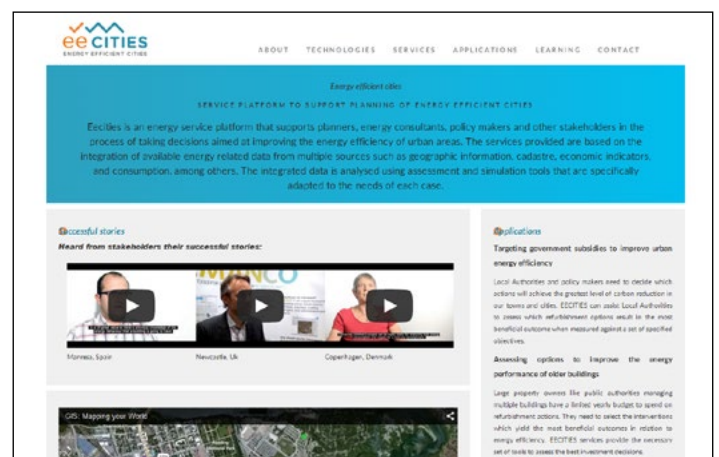
SEMANCO News

◼ EECITIES energy services provider

To support the exploitation of the SEMANCO platform we have launched the EECITIES customer facing web portal to disseminate and exploit the technologies developed in the project.

EECITIES presents the outcomes of the SEMANCO project. It is designed to inform potential customers of the services we can supply using the technological solutions developed in the project.
As such the EECITIES web portal describes the results produced during the project. It contains descriptions of the application of the technologies to specific problems and tutorials to introduce the functionality of the platform to potential users.

The EECITIES porta summarises –in a style and language addressed to the general public–the scientific and technical work done in the SEMANCO project.

We strongly encourage you to explore the EECITIEIS portal at www.eecities.com.

■ Open Source Outputs

In addition to developing the EECITIES portal, the SEMANCO project has made several software and data outputs available under open source licenses. These include:

- The ontology developed during the project, which describes the domain of energy efficiency and will be available via a SVN server at http://semanco-tools.eu/ontology-releases/.

- The standard tables which were used to structure data prior to their inclusion in their website – these can be downloaded from the main SEMANCO website at http://semanco-project.eu/.

- The SEIF and associated protocols for achieving interoperability using semantic technologies and ontologies. The software underpinning the SEIF will be released under an open source license, while the methodologies will be described in scientific publications.

- Various ontology related tools, such as a user friendly ontology editing tool, will be released under the LGPL license

- The software used to support the methodology involved in rating the energy efficiency of UK houses without visiting them will be open sourced and is available from the University of Teesside on request.

■ Publications

In the last months, SEMANCO partners have been active publishing the project results in conference papers and journals. Some of the recent publications are:

- Xavier Cipriano, Gonzalo Gamboa, Jose Santos (2014) Simulating intervention scenarios for carbon reduction in urban planning. WSB14 World Sustainable Building Conference, , Barcelona, Spain, 28-30 October, 2014

- Martin Carpenter, Tracey Crosbie, Michael Crilly, Nashwan Dawood and Amit Mhalas (2014) Implications of open access data for low cost KPIs measuring energy efficiency. 2nd Sustainable Places International Conference, Nice, France, October 1-3, 2014.

- Álvaro Sicilia, Leandro Madrazo, Joan Pleguezuelos (2014) Integrating multiple data sources, domains and tools in urban energy models using semantic technologies. 10th European Conference on Product & Process Modelling – ECPPM, Viena, Austria, 17-19 September, 2014.

- Andreas Nolle, Christian Meilicke, Heiner Stuckenschmidt, German Nemirovski (2014) Efficient Federated Debugging of Lightweight Ontologies. 8th International Conference on Web Reasoning and Rule System, Athens, Greece, September 15, 2014

Further publications are under way, among them a paper that will be presented the "Congreso de Ciudades Inteligentes", which will take in Madrid, in March 2015, as well as several articles summarizing the work carried out during the overall project.

You can access the publications in the corresponding section of the project web site.

■ Presentations

Besides the publications, the outcomes of the project have been presented at different events, including:

- A presentation in the Smart City Expo World Congress, Barcelona, on 18 November 2014 within the parallel session "EN01 – Rethinking cities to improve energy sustainability".

■ Contact

If you would like to receive more information about the services that EECITIES can provide, please contact us
info@eecities.com

For more information about the work carried out in the SEMANCO project, please visit the web site
www.semanco-project.eu

If you are a technological developer, you might get more information about our technologies at
www.semanco-tools.org

Visit the SEMANCO website for more details: www.semanco-project.eu
If you would like to become a member of the SEMANCO Dissemination Network, please
contact Chris Ennis at c.ennis@tees.ac.uk

SEVENTH FRAMEWORK
PROGRAMME