

INSPIRE + GWF 2015

The Urban Energy Workshop

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Themes

- GeoSmartCity Hub: a data platform for supporting the Covenant of Mayors initiative
- Development of the CityGML Application Domain Extension Energy for Urban Energy Simulation

Agenda part 1

- The GeoSmartCity project (*Giorgio Saio*)
- European Union Location Framework (*Francesco Pignatelli*)
- Importance of location information for energy policies (*Maria Teresa Borzacchiello*)
- The need for open and harmonized spatial data (*Giacomo Martirano*)
- The “hub” to support the monitoring of local energy plans (*S. Runar Bergheim*)

Objectives – Part 1

- To discuss about the need for open and harmonized spatial data to support energy policies and local energy plans (e.g. EU Covenant of Mayors)
- This first part will be dedicated to the GeoSmartCity project (www.geosmartcity.eu/), with the proposal for a reusable platform where to collect and share detailed and harmonised energy-related data

Agenda part 2

- Introduction to CityGML Energy ADE
(Athina Trakas and Volker Coors)
- OGC and the BIM-vs-CityGML
(Bart de Lathouwer)
- Development of the CityGML Energy ADE
(Jean-Marie Bahu and Romain Nouvel)
- CityGML Energy ADE in the Sunshine project
(Umberto Di Staso)
- Round table and conclusions
(facilitator: Ray Boguslawski)

Objectives – Part 2

- To present the OGC CityGML Energy Application Domain Extension developed by an international working group, aiming to facilitate and promote urban energy modelling
- The aim is also to collect feedback from external stakeholders representing different communities
- The outcomes will be used to finalize the ADE and involve new projects to test the proposed model, in different scenarios.

Enjoy the workshop !

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Questions (1)

- Are there already any INSPIRE compliant datasets on “buildings” available for use?
- What is the level of thematic accuracy and completeness (e.g. occupancy, uses/functions, age of construction, ...)
- What are the differences between standards like INSPIRE, CityGML and BIM-based models?
- Which data sources are you relying on to feed CityGML Energy ADE ? E.g. occupancy?

Questions (2)

- How is EULF supporting energy policies?
- Which use cases are you considering in EULF for energy-related applications?