

Minutes

Meeting 1st Joint SIG 3D and OCG Workshop on the CityGML UtilityNetworkADE		
Participants		
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Steve Smyth (absent)	OpenSitePlan	steve@opensiteplan.org
Minute taker Tatjana Kutzner	Location/Date Munich, 13./14. October 2016	
Begin 12:00 p.m., 13 October 2016	End 1:00 p.m., 14 October 2016	

Results

1. Presentations

1.1. Round of introductions

Every participant/organisation gave a short introduction of him/herself with focus on

- the expectations or interest in this workshop/in the UtilityNetworkADE
- use cases the UtilityNetworkADE would be required for

1.2. Introduction to the CityGML UtilityNetworkADE

- Thomas H. Kolbe (TUM): *Motivation and use cases for 3D utility network models*
- Tatjana Kutzner (TUM): *Current state of development of the CityGML UtilityNetworkADE*

1.3. Further standards relevant to modelling 3D utility networks

- Joachim Benner (KIT): *LandXML – Review with respect to the modelling of Utility Networks*
- Joachim Benner (KIT): *Common Information model (CIM)*

1.4. Use cases which require CityGML-based utility networks

- Ihab Hijazi (TUM/An-Najah National University): *Use cases related to utilities in built environment including maintenance operation and building service system integration within the geospatial context*
- Alexandru Nichersu (EIFER): *Projects and use cases related to utility networks in EIFER*

→ The presentations are available for download here:

http://en.wiki.utilitynetworks.sig3d.org/index.php/2016_M_Agenda_of_the_Workshop

2. Group work

The group work was divided into three parts:

Part 1: Use cases for the UtilityNetworkADE were collected in a mind map.

Part 2: General modelling criteria/aspects as well as modelling criteria/aspects specific to certain use cases were collected in a mind map.

Part 3: A matrix was created from the collected use cases and modelling criteria/aspects. The matrix was already partially filled with content.

→ **The mind maps and the Excel file containing the matrix are attached to these minutes**

3. Other topics

Zhihang Yao from TUM gave a short presentation on the automatic generation of database schemas for the 3DCityDB from CityGML ADE xsd files.

→ **The database schemas of the EnergyADE and the UtilityNetworkADE are available for download here:**

<https://github.com/yaozhihang/3DCityDB-Extensions-for-CityGML-ADEs>

4. Next steps

- Tatjana will set up a github repository for the UtilityNetworkADE similar to the one used by the EnergyADE working group and will provide there the current version of the UtilityNetworkADE as Enterprise Architect file and as XML schema file.
- Tatjana will contact Egbert Casper regarding access to update the wiki.
- Tatjana and Thomas will complete the matrix until mid of December.
- **Next workshop:** 19./20. January 2017 at EIFER, Karlsruhe

