Kanishk Chaturvedi
15.06.2015

Minutes of Meeting
CityGML 3.0 WP06 Eleventh Meeting

Participants

- Gilles Gesquière, LIRIS
- Steve Smyth, OpenSitePlan
- Tatjana Kutzner, TU Munich
- Kanishk Chaturvedi, TU Munich

Agenda of the meeting

- Discussion on first draft of the paper related to versioning concept.
- Update on the modified approach for a dynamic data schema in relation to interpolation and patterns.
- Finalization of dates for the next meeting.

Discussion on the paper related to the versioning concept

- The first draft of the paper related to the versioning concept has been created and discussed by the co-authors. The paper will be submitted to 3DGeoInfo 2015 (http://www.geoinfo.utm.my/jointgeoinfo2015/3dgeoinfo.html). The deadline for submission is June 30, 2015 and the maximum page limit for the paper is 10-15 pages.
- In the new version, more emphasis is given on
    - Implementation of the version approach or extension in a least invasive way
    - Conflict detection
    - Proper balance between formal description, use cases and proof of concept

Discussions:

- The city object within a specific version is assigned a stable major ID. Further, an extension to this major ID is given in the form of a minor ID to distinguish different versions of the same real world entity. This concatenated major and minor ID (e.g., Building1020_Version1) is used as the gml:id to distinguish the different versions of the same real world object. However, in the UML model, there is no mention of this gml:id.
- The methodology section explains the complete UML model for the versioning concept. However, it covers mostly technical details and the readers are expected to know the terms in advance. This section should provide high-level picture of the concept before explaining technical details.
- In the section Proof of Concept, there should be one more example covering complex aspects such as branching alternative possibilities or version transitions.

Update on Dynamic Data schema

- In the previous meetings, the discussion took place about the proposed dynamic data schema and its relationship with OGC coverages and WaterML2.0 Timeseries. It was also discussed that the interpolation within the new schema can be supported utilizing WaterML2.0 Timeseries.
- Kanishk is working on modeling various aspects of repetitive or cyclic patterns within the dynamic data schema. The complete model will be presented by Kanishk in the next teleconference.

Next steps

- Kanishk will modify first draft of the paper to be submitted to 3DGeoInfo 2015 and share with the co-authors for review before June 23, 2015. The deadline for submission is June 30, 2015.
- Kanishk will present the modified dynamic data schema covering coverages, interpolation and patterns.

Next meeting

- The next teleconference will take place on July 9, 2015 (5pm-7pm CEST).