

test sets for a majority of use cases of models. Nevertheless, a future quality test suite should be able to switch on/off certain quality criteria and tests in order to produce realistic results for specific test cases. First results of a test application were briefly outlined in this paper as a basis for further research into this field. Especially automatic error detection and healing in geometry is still a field for further research. However, as semantically rich data models like CityGML are more and more in use, also test and validation processes for semantics, attributes, etc. need to be developed in the future.

The integration of a future quality test suite into existing data management or authoring applications seems to be a sensible approach as outlined in section four. This would increase usability and efficiency of workflows as well as the acceptance among users. Nevertheless a possible test library can also be used to develop a stand alone test application, which can be used independently, for example by model end users.

The reporting functionality can also be used to award certain quality certificates in order to proof the level of quality to potential users of the model and to provide information about certain fields of use that the model is appropriate for.

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