

InfraRoom Discussion Issue: Integration of BIM & GIS

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My work at the moment is focussed on how to integrate the separate aspects of infrastructure modelling into an overarching urban modelling schema that allows modelling at an appropriate level of granularity to support the many aspects concerned with the delivery and management of the built environment. This inevitably leads to a consideration of how to interface between the object-focussed schemas typified by IFC and the larger-scale schemas being developed within the OGC community.

I'm conscious that my project is only one example of a wider set of work that is looking at this issue from different perspectives and in different parts of the world. Ultimately, it is a critical issue for InfraRoom, developing a standardised strategy for integrating information and data across the domains of BIM, infrastructure generally and GIS analysis tools.

I propose the establishment of a formal work program within the InfraRoom that would address those issues, identifying current work in that space and proposing project strategies for buildingSMART.