BIM for Infrastructure Trafikverkets view on Open standards



Mikael Malmkvist

Innovation Development Manager

Peter Axelsson

Senior BIM Advisor

International standardization







International development







European standardization







European development









Nordic Collaboration













National development









svensk **byggtjänst**

National Standardization





Organizational development



BIM Policy Area



Asset Management



Non formal standardization

Non-formal standards (produced by independent international standards organizations) should be seen as a **first step to formal standardization**.



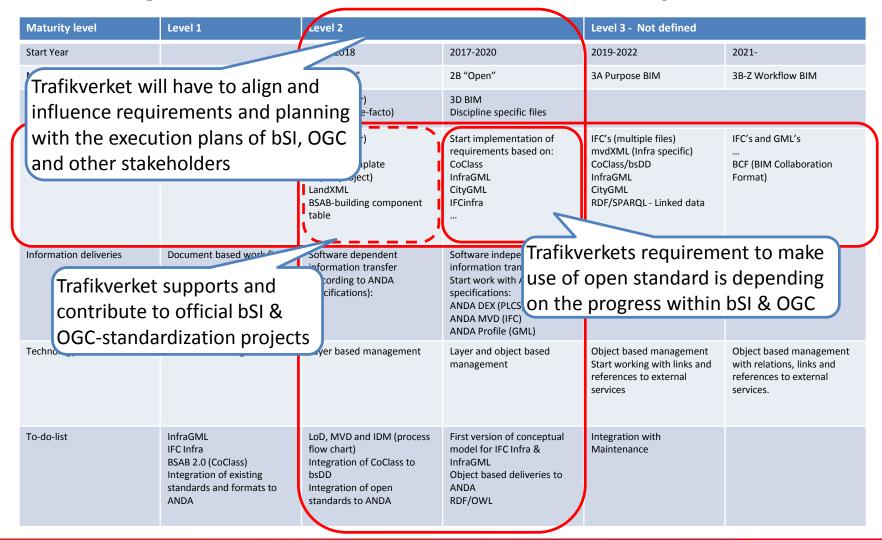
The benefits of engaging in independent standardization organizations are for example, greater opportunity to **influence** the development of the standard and **shorter implementation** times than is normally the case when it comes to formal standardization.

The benefits of a non formal standardization:

- Shorter implementation times
- Increased knowledge of the standard scope and design
- Guaranteed applicability

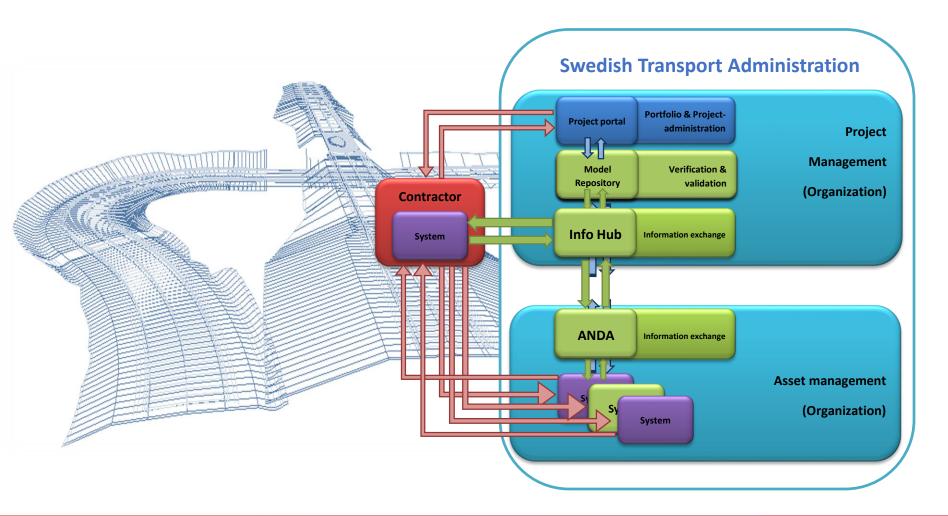


Roadmap for standardization activities (BIM/GIS/PLM)

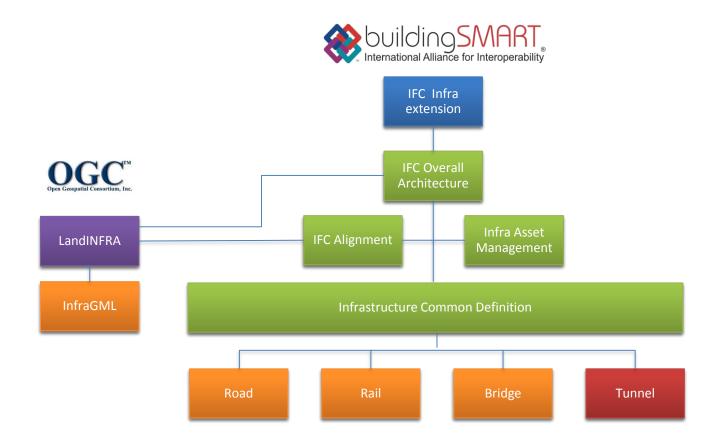




Operenstaitdation in a future modularized Trafikverket-environment

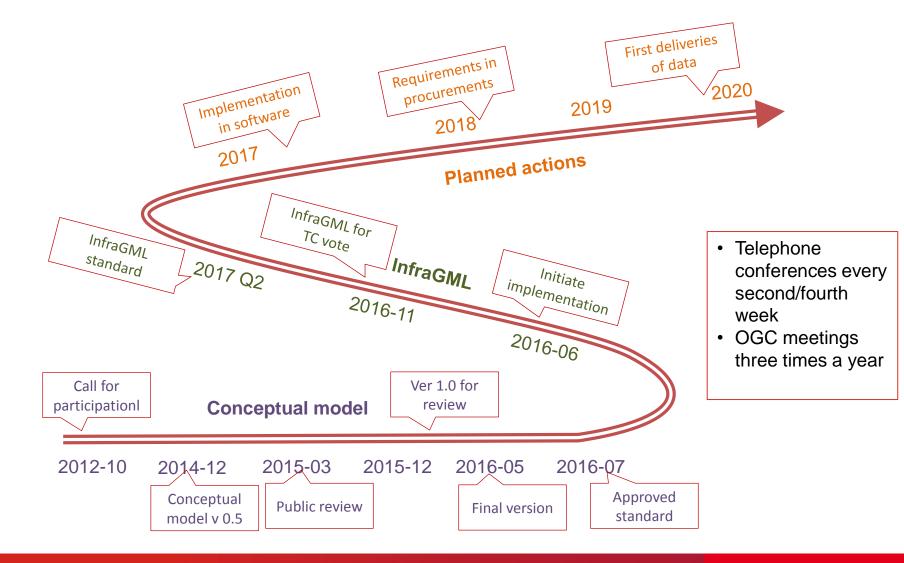


Infrastructure activities

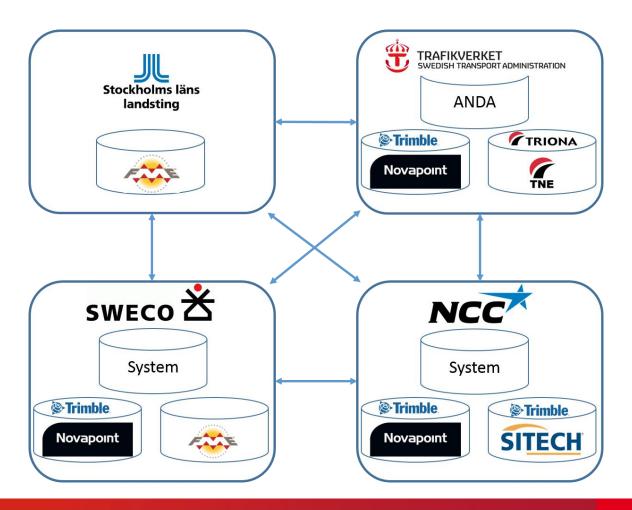




InfraGML, making a standard...



Information roundtrip – IFC & InfraGML Deployment



Letter of Intent (PROPOSAL)

- That open and relevant exchange standards contributes strongly to the industrialization of the building and construction industry, and thus to an increased overall productivity.
- To start *now* moving towards open international standards such as IFC and InfraGML when exchanging data between parties, and by this gradually replace proprietary formats
- That all new road and railway projects starting after July 1th 2018 will use "ifc Alignment" or "InfraGML Alignment" as exchange formats for alignment information, and the road & rail authorities has a clear intention to start requiring this.















Thank you!



Mikael Malmkvist
Innovation Development Manager
Direct +46 (0) 10-124 05 25
E-mail: mikael.malmkvist@trafikverket.se

Peter Axelsson Senior BIM Advisor Direct +46 (0) 10-124 43 16 E-mail: peter.a.axelsson@trafikverket.se