Tools and Data for Integration and Interoperability

(or... BIM is – BIM is not)

Thomas Gay
Chair – buildingSMART alliance
A Building Information Model (BIM)
Or
Building Information Modeling

…it’s easier to say what it is not.
BIM is definitely not...

- a High Performance Building
- Hazard Mitigation or Planning
- Building Enclosure Technology
- Building Safety Codes or Standards
- Facility Management or Operations
- Finance, Insurance or Real Estate
- Standards or Metrics
- Social, Economic or Environmental Performance

...It’s not even, as many people would describe it, “3d”
BIM is...

...all of those things!
“...a digital representation of physical and functional characteristics of a facility.
...a shared knowledge resource for information about a facility forming a reliable basis for decisions during its life-cycle from inception onward.
...BIM is collaboration by different stakeholders at different phases of the life cycle of a facility to provide, extract, update or modify information... and reflect the role of that stakeholder.”

National Institute of Building Sciences (NIBS)
National BIM Standards Committee (NBIM)
BIM is definitely Cool…
BIM enables the entire building industry through...

- standards – IDM/MVD
- specs & commentaries
- software implementations
- testing procedures & execution
- transformation rules & tools
- business case analysis
- training and support

...to address every practitioner's requirements.
BIM is Design and Construction
BIM is Design/Requirements Validation
BIM is Consistent Analysis by Practitioners
BIM is Supporting Views of Data
BIM is Focused Views by defined requirements
BIM is Information to support the Business Case
BIM is a complimentary source to other technologies (GIS, CAD, Imaging, etc)
BIM is every project/phase/discipline
BIM is Innovation.
Thank You