





BIM mythes

Five surprising things you did not know about BIM

Léon van Berlo







Original title:

5 things about BIM you thought were true, but are not

This part might become a bit provocative...







Now:

Five (maybe) surprising things you -might- not know about BIM

But some might still be a bit provocative...













BIM is not Revit







BIM is not Revit

.... and Revit is not BIM







BIM is not Revit

.... and Revit is not BIM

Just like Archicad, Vectorworks, Tekla, etc... is not BIM







What is BIM?







What is BIM?





Michel Böhms BIM for Healthcare

innovation for life

Definition

A Building Information Model is:

A digital description relevant for a certain scope in a certain context of an existing or in the future existing structure you can or could point at







What is BIM?

Some say it is a process, some say it is a philosophy, some say it is collaboration, some say it is data*, some say other things....

But all agree that is is not about software.

^{* =} the smart ones ;-)







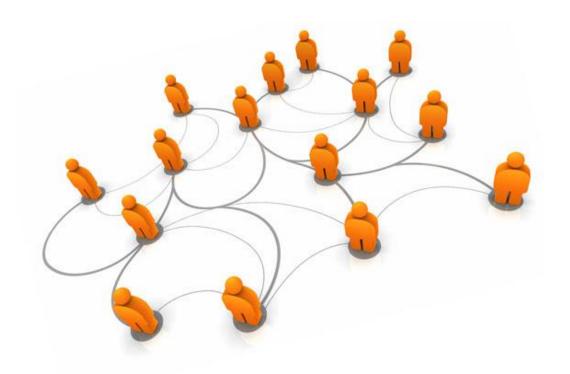
Next one.... (a bit more difficult)







There is no central BIM!

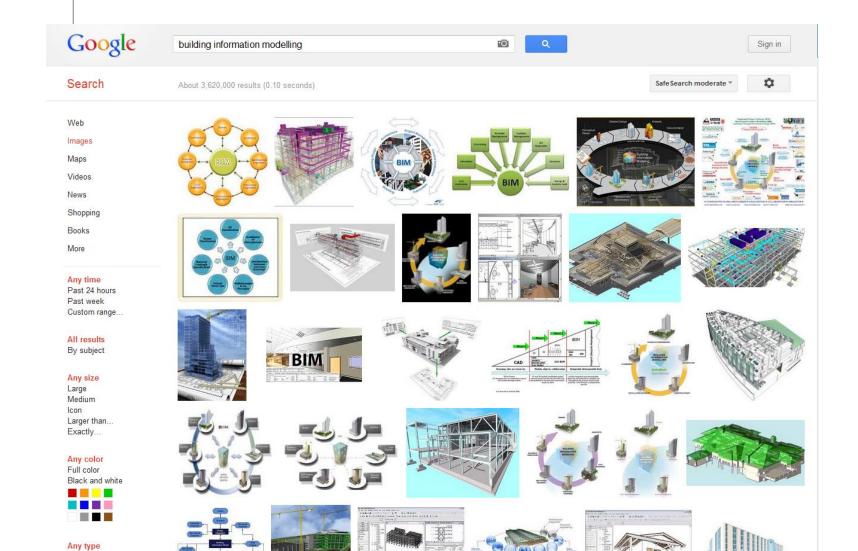








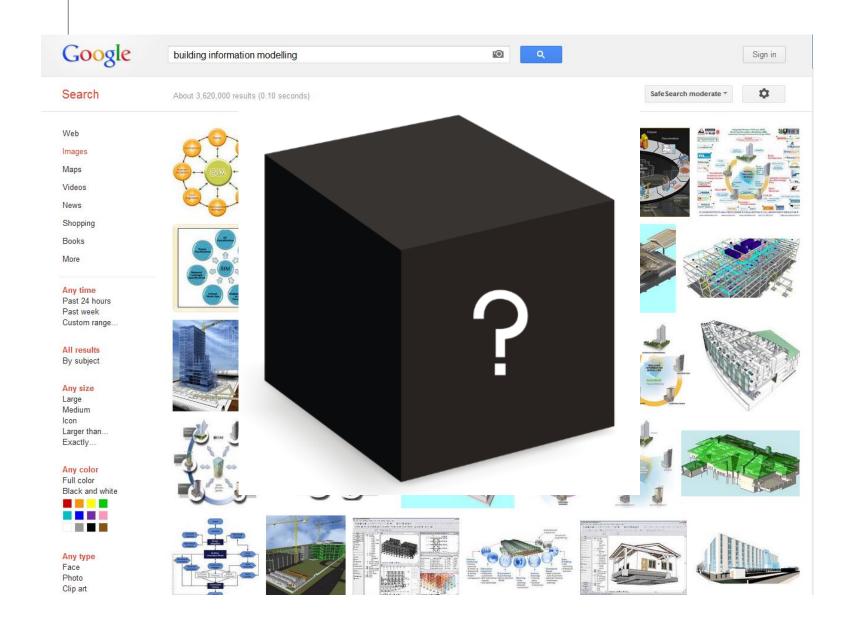
Yes, I've seen the pictures...









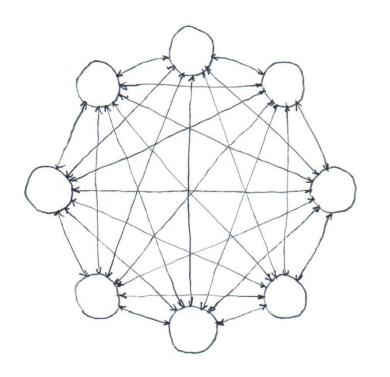


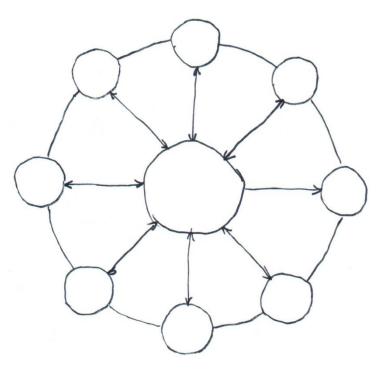






Most are based on this original concept of a "Shared data model"











Common misconception (misinterpretation):

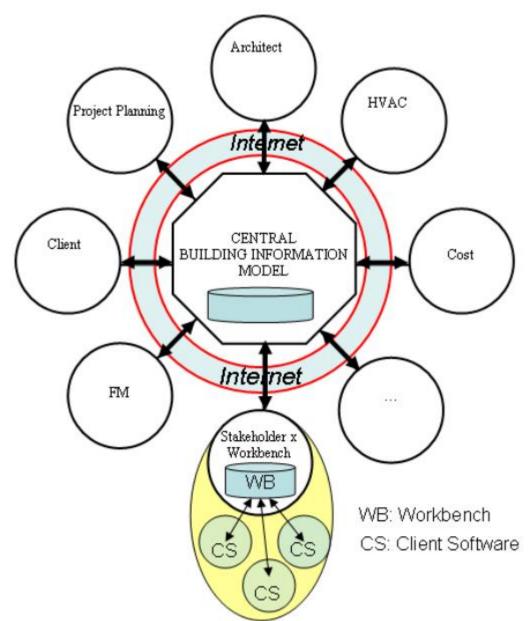
- Shared data model is NOT equal to:
 - Shared BIM model instance
 - Shared data
- Shared data model comes from the need to share/distribute data in a standardized way.... "let's agree to all do it like this"

shared data model == creating agreements (interoperability)







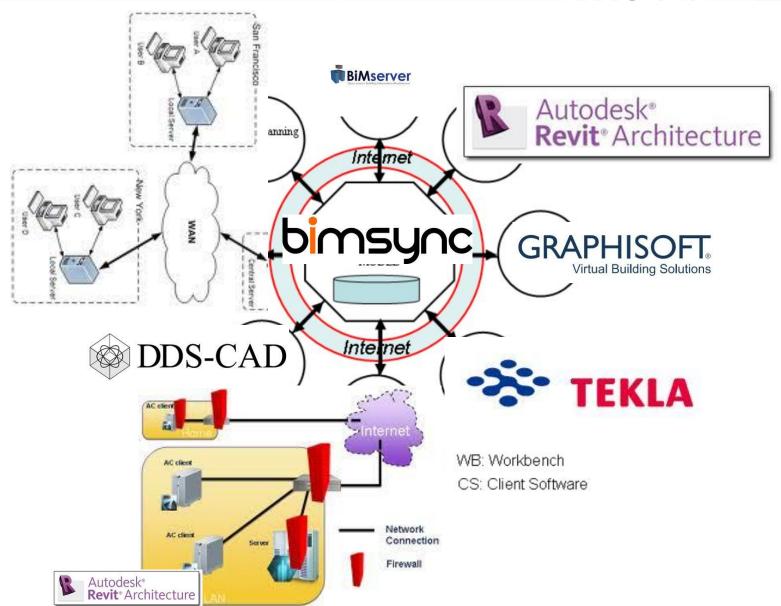


source: Nour



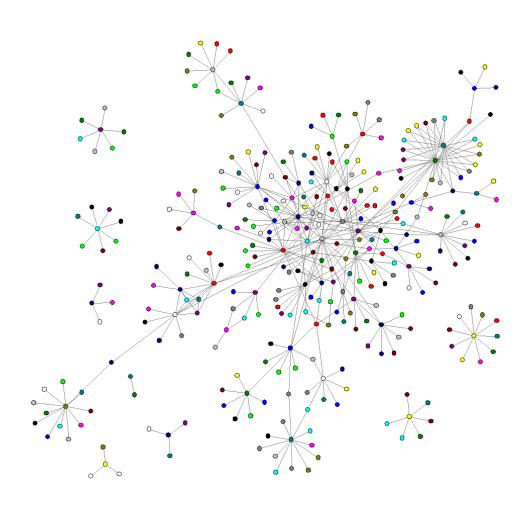


















"There is no CENTRAL model"

(in a project)







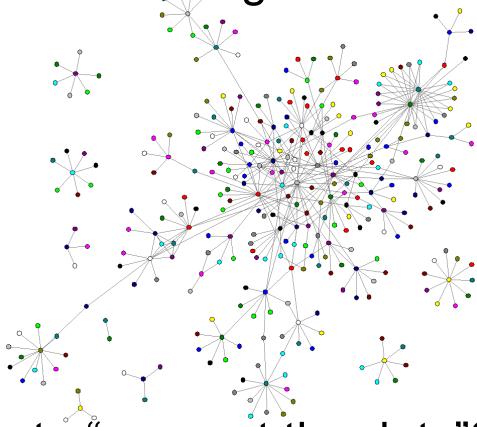
Ok.... Everyone has their own "central" model







How to exchange data?

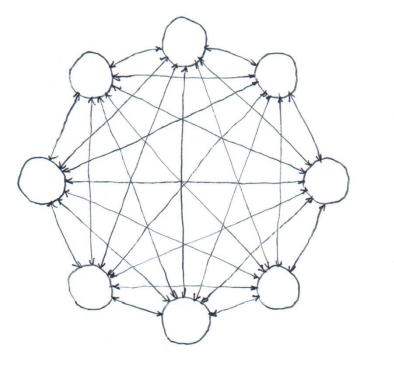


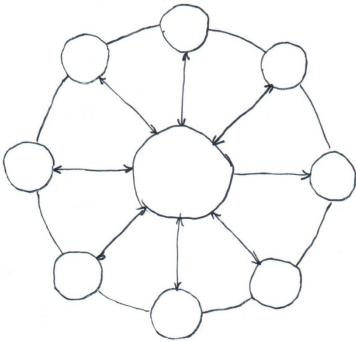
How to "connect the dots"?





This is where the "Shared data model" comes in



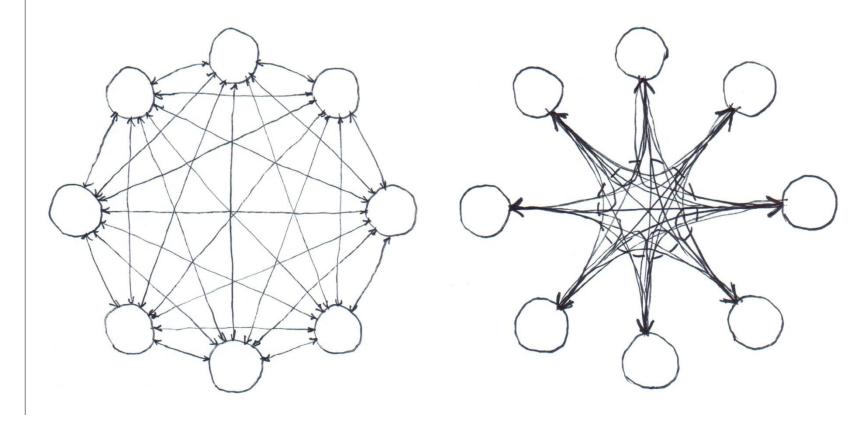








BIM data flow through standards: reducing interfaces









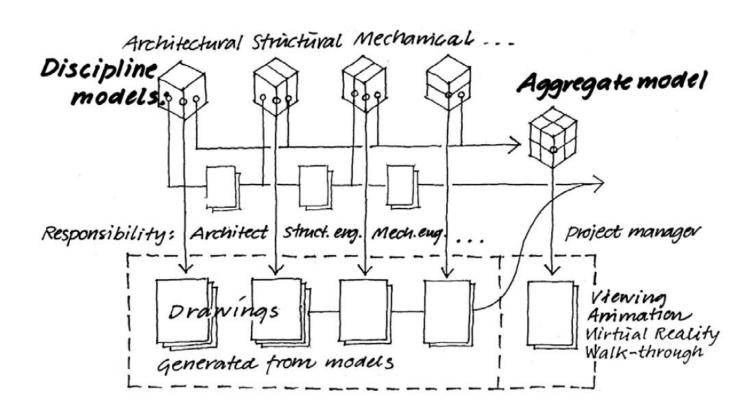
Do others know about this?







2006:

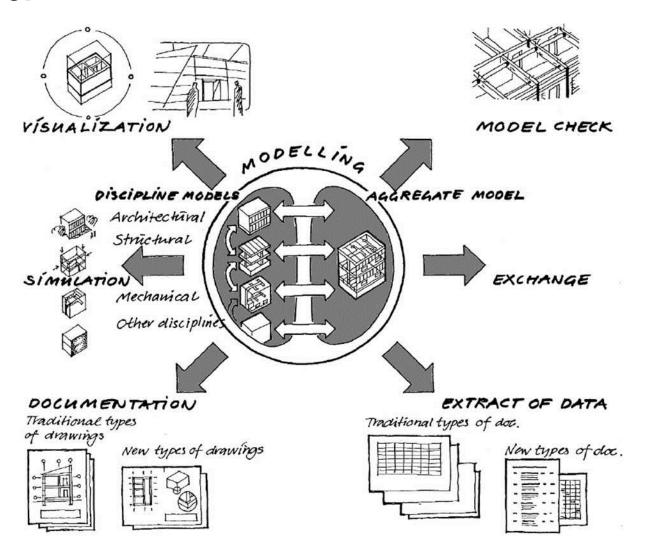








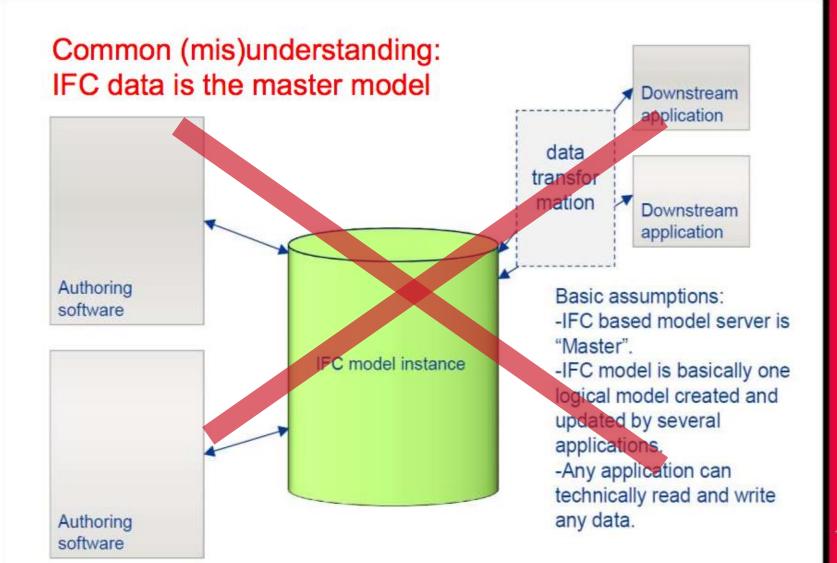
June 2008:



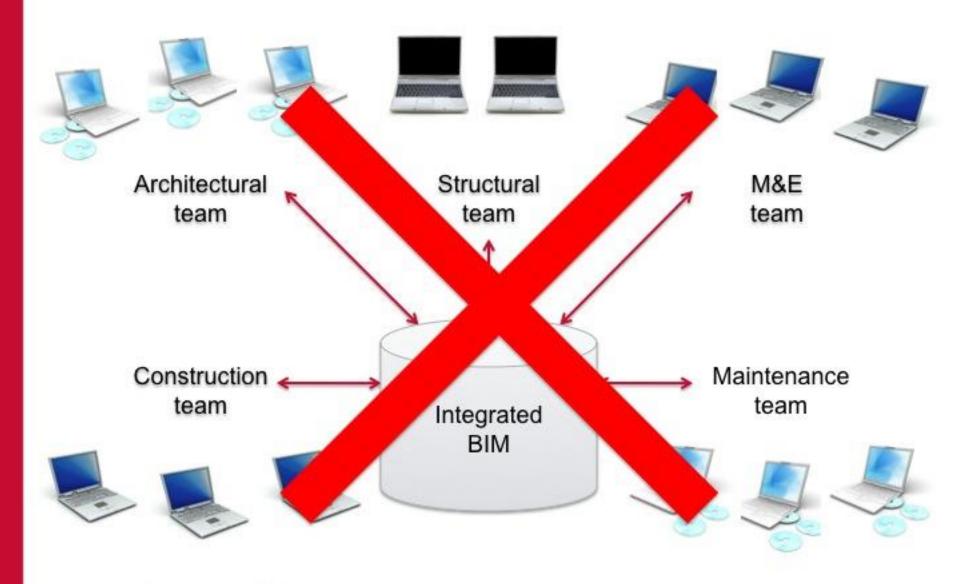








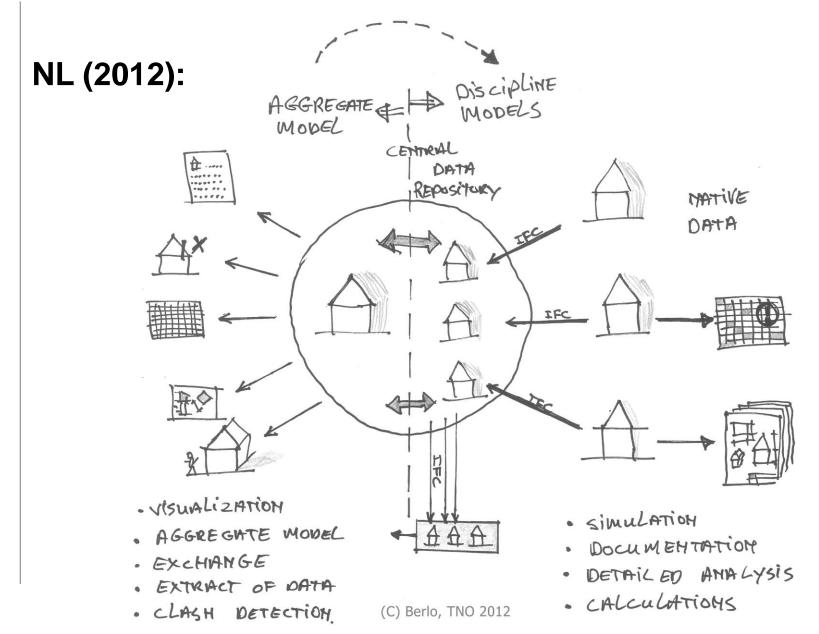
Common (mis)conception of integrated BIM

















Sidestep Conclusion from research:

"The IFC data standard is stable and usable in an AEC collaboration environment "

"IFC meets the needs of the industry"

(as described in the paper)









Other observations

Users in the experiments in this research did not prefer a so-called 'live synchronization'. The median of synchronization time of model instances was 1 week (every Friday was a widely used practice).

The use of a reference model concept with IFC can lower the needed BIM competences for a project partner to be able to collaborate in a way that is sufficiently effective for the entire project team.







Found conclusion:

Working in a 'central' modelserver (everybody the same software tool) has more downsides than advantages.

(ownership of objects, data overload, legal, change requests, etc...)







Next.... (third)







"BIM does not enhance collaboration"

(mind the quotation marks)













"We just send/share everything we have"









The real questions are:

- What do I need to do my job?
- What do others need from me to do theirs?









Everyone brings their craftsmanship and expertise to actually collaborate









Next.... (number 4)





You don't need a special BIM manager







Remember the previous slides?



Where is the central stuff?
You know..... the black box?









samenwerken

.0

Q

Sign in

Search

About 562,000 results (0.19 seconds)

Safe Search moderate ▼



Web

Images

Maps

Videos

News

Shopping

Books

More











SAMEN WERKEN AAN SAMENWERKEN



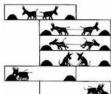
Any time

Past 24 hours Past week Custom range...















Any size

Large Medium Icon Larger than... Exactly...













Any color

Full color Black and white















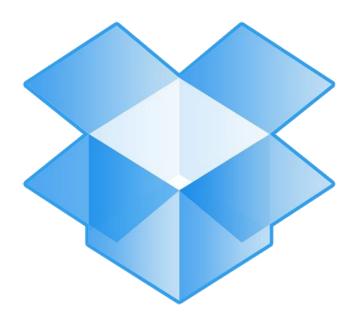








Collaboration: Forget about the black box*!



^{* =} Yes, this "there is no central BIM" is again the message

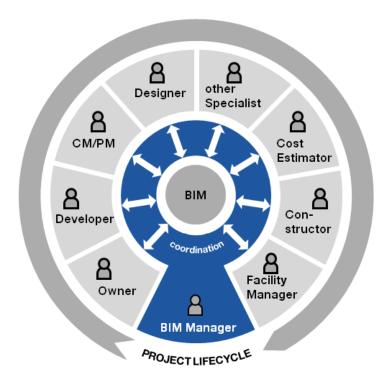






Think twice about a BIM manager

(he is the gatekeeper of the black box)



"BIM Management" is about data/information management and should be a competence of every project manager.







Last one....







Last onessss....

(cheating a bit)







There are too many....

- "You need an object library to really work with BIM"
- "BIM doesn't work in an early design stage"
- "Too many details in a BIM give false accuracy"
- "BIM is expensive and the client won't pay for it"
- *Modelling a BIM can be outsourced to India
- Something with trust
- "openBIM is better"
- "You can not do proper BIM without a BIM protocol"
- "We are ready, but the technology is lacking behind"
- "BIM is new and a hype but is will slow down soon...."







Lets hope many of them will be busted during the case study presentations!









Questions?

leon.vanberlo@tno.nl @berlotti