WHAT IS DE & BIM?
DATA, DATA, DATA

Big Data, lot...
Connect with

Anyone
Anywhere
Anytime!
ARE YOU READY?

How do I get ready? &
What does this mean to me?

How do I take advantage of the information that’s available?
How do we exploit data?
Using Data in every step of the way!
NOUN

VERB

‘B’ IM
Building Information Modelling (BIM) is a digital representation of a physical & functional characteristics of a facility.

A BIM is a shared knowledge resource for information about a facility forming a reliable basis for decisions during its life cycle, defined as existing from earliest conception to demolition.
B ‘I’ M = INFORMATION

Data has not been modified to allow the greater capabilities of BIM to be exploited!

‘I’ = Important

‘I’ = Interesting

Yes BIM being used specific sites

No agreed ‘Asbuilt data’ standard
To specify the asbuilt data Standard

Using common language!

FULLY LEVERAGED!
But why is this so important?

Array of professionals!
Different kinds
Who make it all happen!

Process of Building!
NOUN

Data might remain in silos!
Information lost or forgotten!
And assumptions might be made!

GAP

Firstly!!!
Secondly!!!!

Form of English

Professionals have their Quirks & TLA’s

Professional jargon

https://www.youtube.com/watch?v=g_jmGQvr6dQ

We all talking our own language
These are the issues DE sets out to address

More Intelligently, More Collaboratively, More informed Way!

By Modelling the infrastructure!

Available to all Stakeholders!
Start Working off the same page

Professional Group become the contributor

Spatial environment, adding discipline specific data to single shared Model!
OLD DAYS VS NEW DAYS
DE GOES FURTHER THAN 3D
Back to Gis! This is Fundamental to DE!

GIS & BIM
We create multiple dimensions

Develop not JUST a 3D Model but a SPATIAL environment!

Rich data linked with it!
DE becomes the single information source

What, When, Why and How!

For all details about the infrastructure environment

For who everyone needs to do anything with or to the asset
Now we talking about everything!

DE is about!

Capturing
Sharing
Analysing
Presenting

Digital Asset!
Provides Evidence for informed Asset management decisions

Access information from anywhere at anytime!

- The infrastructure **description** and its location, geometry, condition, and performance
- Works and **inspection schedules**, delivery, impacts and observations
- **Performance**: infrastructure, activity, financial, ONRC
- **Controls**: environmental, capacity, access, statutory & regulatory
- Infrastructure and consequential service **risk and management**
- Data provenance and **quality**
Accessible and meaningful to whoever needs it!
Common data Environment

Linking information
DE can revolutionize
What should I be measuring and managing and more importantly where?

CAN’T MANAGE WHAT YOU CAN’T MEASURE
THANK YOU!