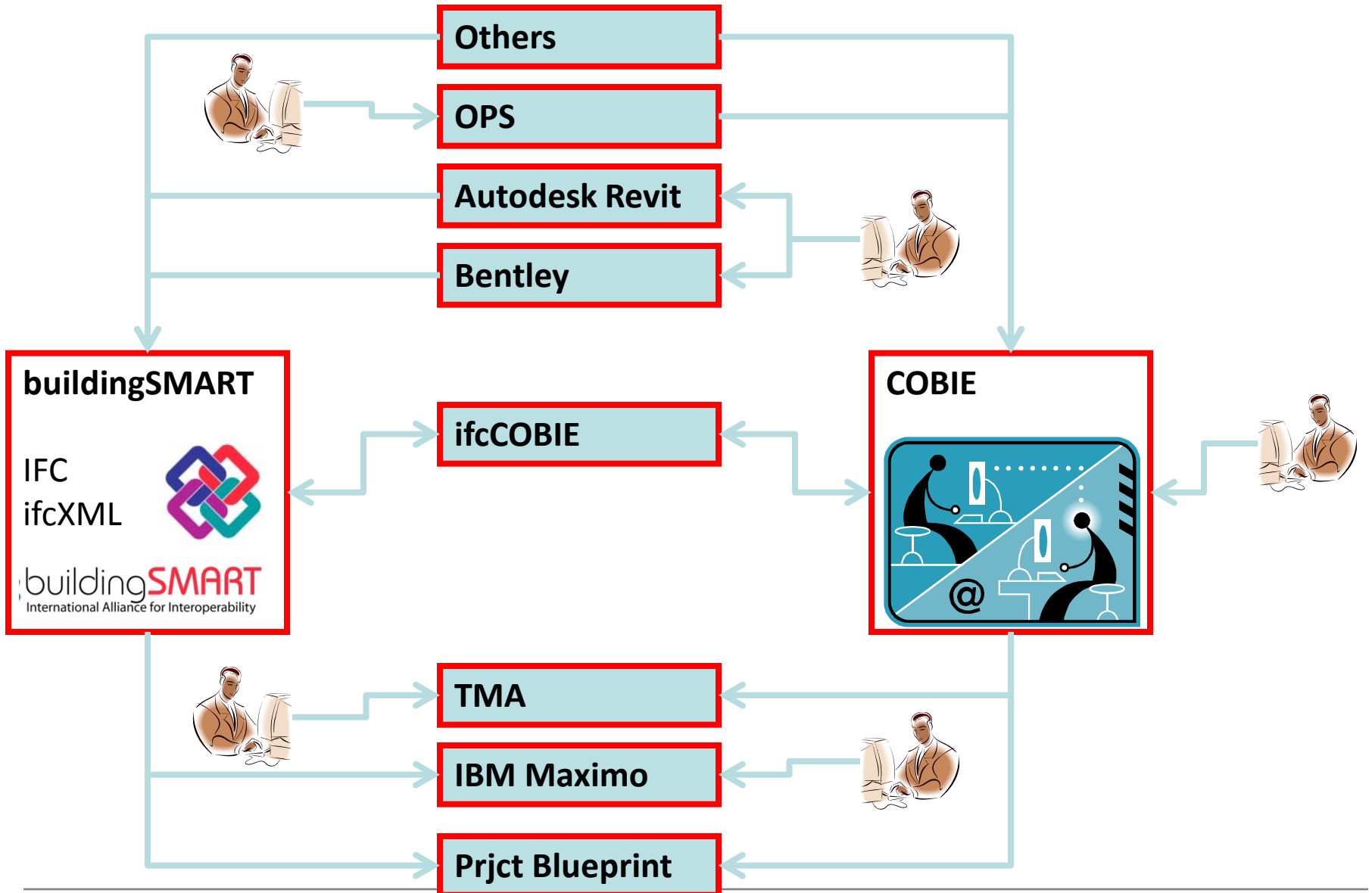


construction operations building  
information exchange  
and  
computer maintenance  
management systems  
  
(COBIE and CMMS

Nicholas Nisbet, MA, DipArch  
buildingSMART ifcXML Coordinator  
Director, AEC3 Ltd

# CMMS paths



# CMMS Vendor Challenge

- Vendors will start by showing
    - A manually produced COBIE spreadsheet
    - A COBIE spreadsheet produced by a BIM vendor
    - An IFC model produced by a BIM vendor
  - Vendor will demonstrate the import process highlighting
    - Modules or options used
    - Any pre-configuration required
  - Vendor will review the imported data to show
    - Spatial hierarchy
    - Component/Asset/Equipment/Type lists
  - Vendors should demonstrate other aspects of the application such as
    - develop a work order,
    - service request
    - or other report
-

# Types of issues

- Acquisition of
    - Spatial hierarchy
    - Component list
    - Type/Asset/Product catalogue
  - Supporting data
    - Names and descriptions
    - Measures
  - On-going functionality
    - ...
-

# Maximo MEA Sample

```
<!--Asset of FlowMovingDevice FanType GF2500 Free selfdefined AHU box (parametric) 4x2x2 m-->
<MXASSET>
  <ASSET>
    <ASSETNUM>0uZcDQIMjANQ9MAIk1IY7h</ASSETNUM>
    <SERIALNUM>S1212</SERIALNUM>
    <LOCATION>0uZcDQIMjANQ9MAIk1IY7h</LOCATION>
    <DESCRIPTION>FlowMovingDevice FanType GF2500 Free selfdefined AHU box (parametric) 4x2x2 m</DESCRIPTION>
    <MANUFACTURER>Farnham fan Systems</MANUFACTURER>
    <REPLACECOST>0.0</REPLACECOST>
    <INSTALLDATE>2008-08-01T12:34:56Z</INSTALLDATE>
    <WARRANTYEXPDATE>2013-07-31T12:34:56Z</WARRANTYEXPDATE>
    <ITEMNUM>FlowMovingDevice FanType GF2500 Free selfdefined AHU box (parametric) 4x2x2 m</ITEMNUM>
    <SITEID>0CLU2C$0f1bQKqgXOMnk3$</SITEID>
    <DESCRIPTION_LONGDESCRIPTION>FlowMovingDevice AHU1 Main AHU</DESCRIPTION_LONGDESCRIPTION>
    <ASSETTYPE>FlowMovingDevice</ASSETTYPE>
  </ASSET>
</MXASSET>
```