GEOSPATIAL-BIM-INDOOR: ROOM FOR INTEGRATION

Carsten Rönsdorf
Head of Advisory Services
OS International
We have been mapping Great Britain since 1791

Our data underpins £100 billion of Great Britain’s economy

We help Great Britain generate £400 million in new revenues every year

10,000 mapping updates every day

Over 3,500 Public Sector organisations using our data
Data and 3D Standards and interoperability CityGML and what you can do with it Geospatial/BIM/indoor or is it BIM/indoor/Geospatial (BiG)?
Authoritative geodata
ORDNANCE SURVEY’S CURRENT 3D OFFERING FOR AEC

Digital Elevation Models

Heighted surface features

3D elevated features

iDTM: Consistently managed height
3D BUILDINGS
Real world

Virtual

model
BRIDGING THE WORLDS

BIM (IFC, proprietary)
             ↓
Survey (Land-/Infra-/IFC)
             ↓
GIS ([City]GML, proprietary)

Importance of standards

Integrated Digital Build Environment Working Group
CITYGML—LEVEL OF DETAIL

Graphic by Filip Biljecki, TU Delft
LOOKING FOR COMMONALITIES

Where are Geo and BIM on this map?
OGC SMART CITIES PILOT

• In collaboration with building SMART international
• Ordnance Survey as seed sponsor
• Looking for more sponsors/participants (by 15 October 2015)

• Help cities around the world benefit from modern standards for geospatial technologies
• Use diverse, interoperating spatial technologies to deliver improved quality of life, civic initiatives and resilience
• Demonstrate how geospatial data can make things smarter
From command and control to
Connect and collaborate

We’ll achieve
- empowerment/engagement
- integration/interoperability
- cost savings/efficiencies
- Better/safer environment