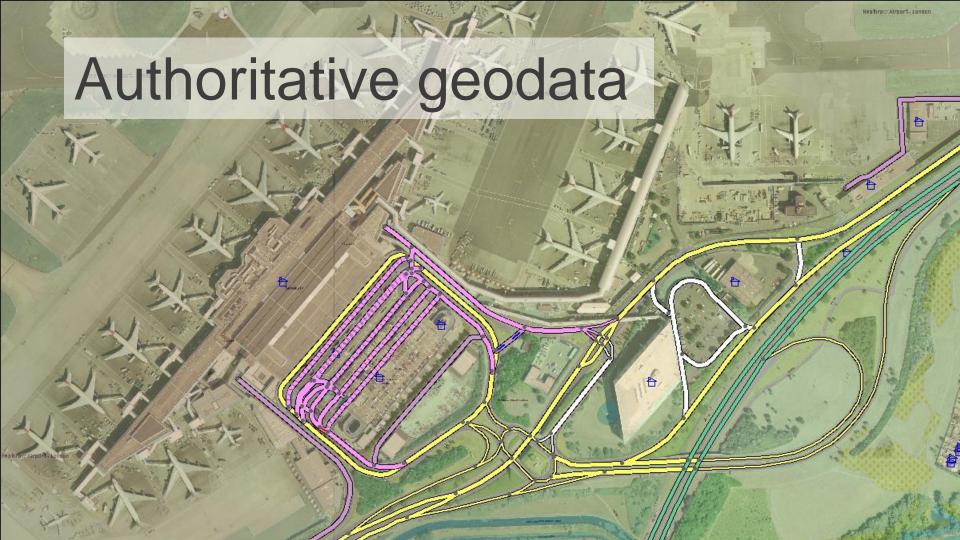
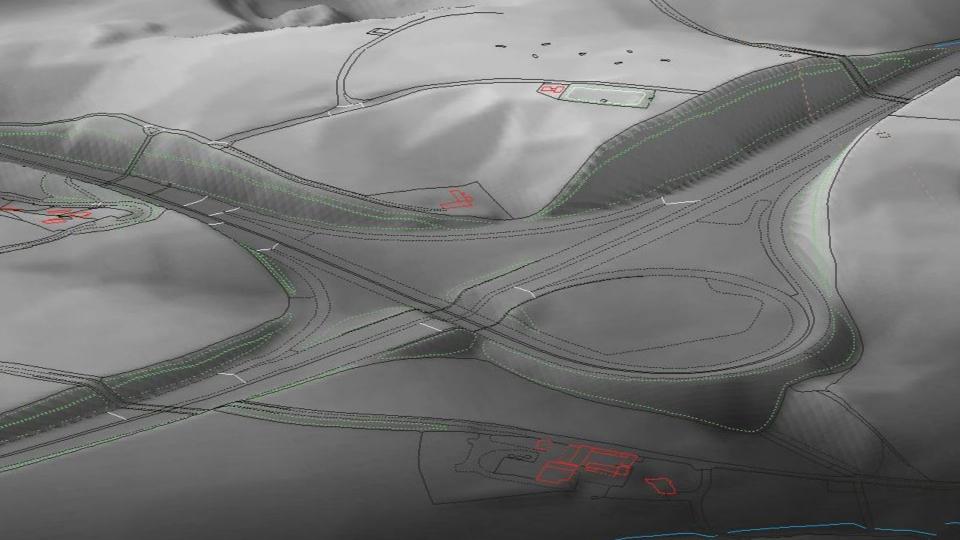


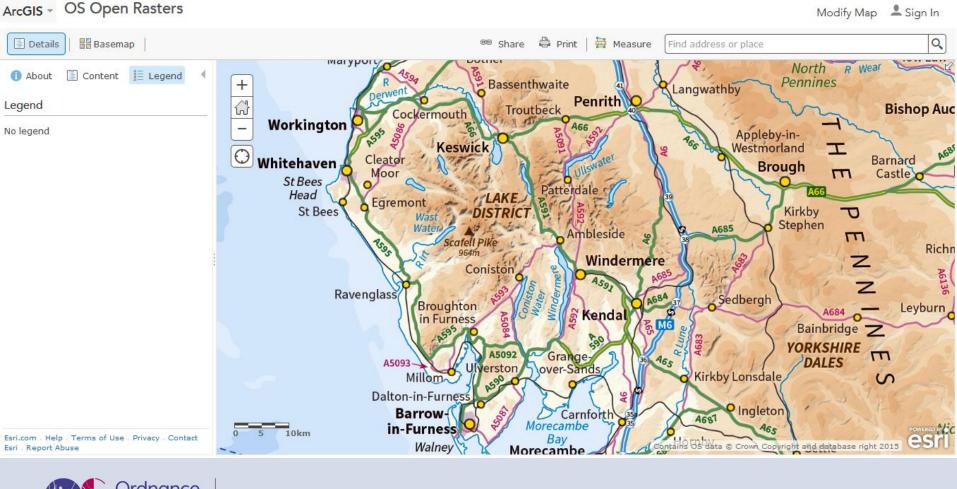
Carsten Rönsdorf
Head of Advisory Services
OS International



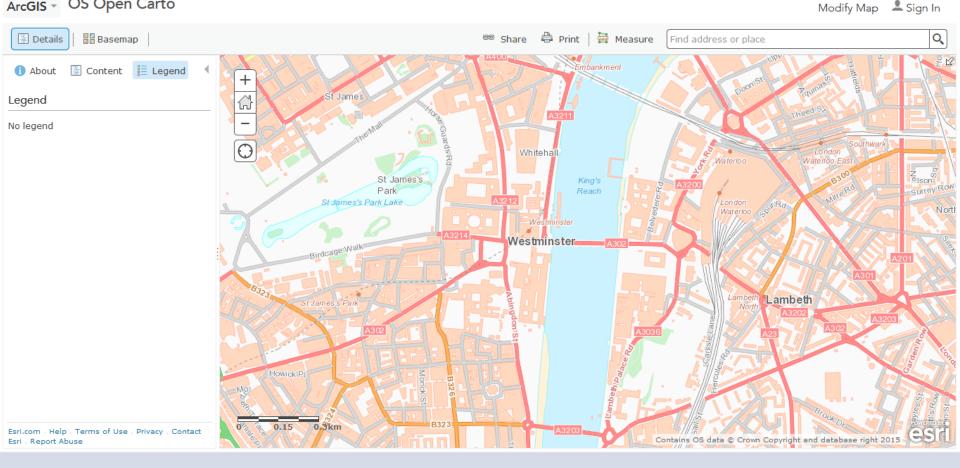


















DATA MANAGEMENT

Base Mapping Data

Large-scale topographic mapping Derived backdrop mapping Address data

Road Network Aerial Imagery

Boundaries Height data Terrain data

Organising Committee Data

Venue Overlays LATM&P Road Event Routes Torch/Baton Relay Accommodation Access Routes Bus System routes Training Venues Security Measures



Spatial Database



Public Transport (Existing bus routes, underground network etc) Public facilities

(Schools, recreation areas, shooping centres etc)

City Operations

(CCTV, refuse collection, street works etc)

Traffic information/management and parking

Emergency Services

(Police stations, fire stations etc)

> Content Management Systems, data adminstration > Desktop GIS, CAD, graphic design tools > Web mapping services, APIs, mobile devices



Product

Detailed Design

Public/Stakeholder/Client Communications



LONDON 2012: WORKING COLLABORATIVELY ACROSS GOVERNMENT: OVER 30 GOVERNMENT STAKEHOLDERS

























INTEROPERABILITY NEEDS STANDARDS

5th strategic member of OGC Only strategic member outside USA







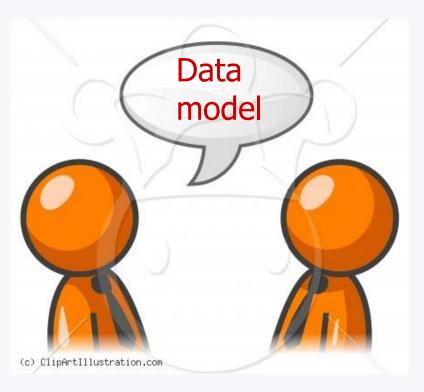








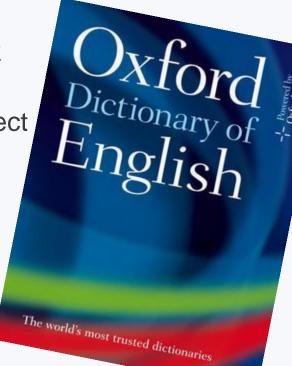
OPEN STANDARDS BASED DATA MODEL



Language to speak about location

To be able to connect and collaborate







CITYGML—LEVEL OF DETAIL









2D DATA

RC34.UTILITIES_CABLE

CLASS

fibreOpticCablehighVoltage

— lowVoltage

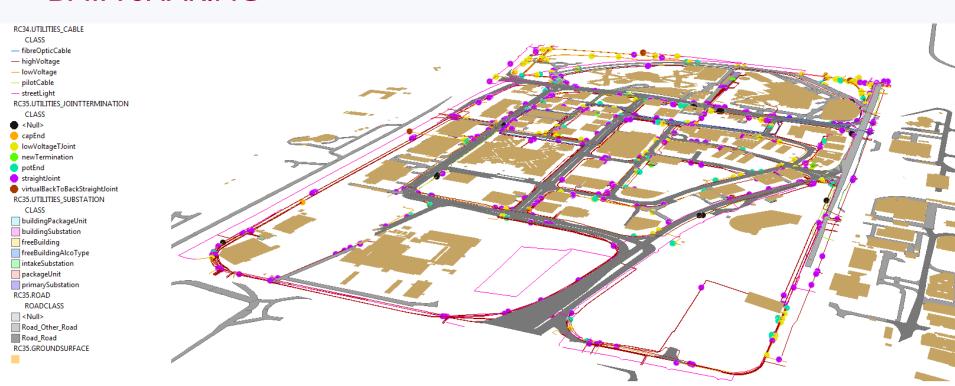
— pilotCable

- streetLight



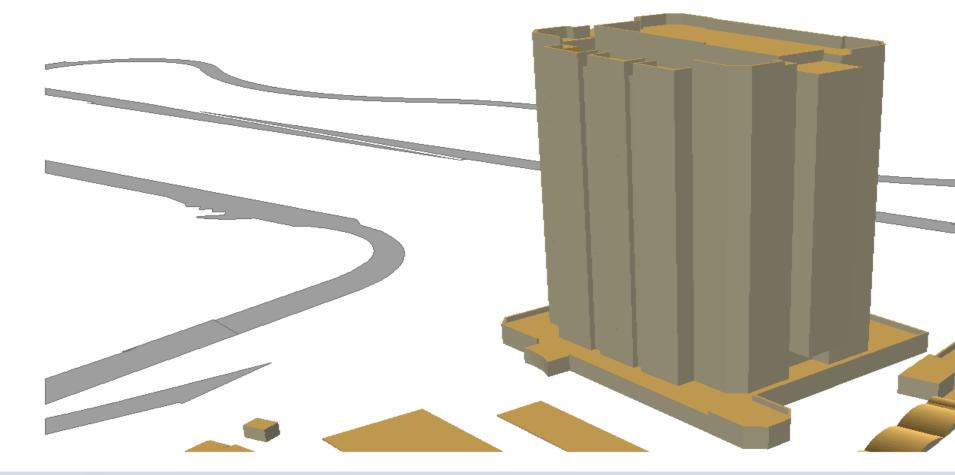


DATA SHARING

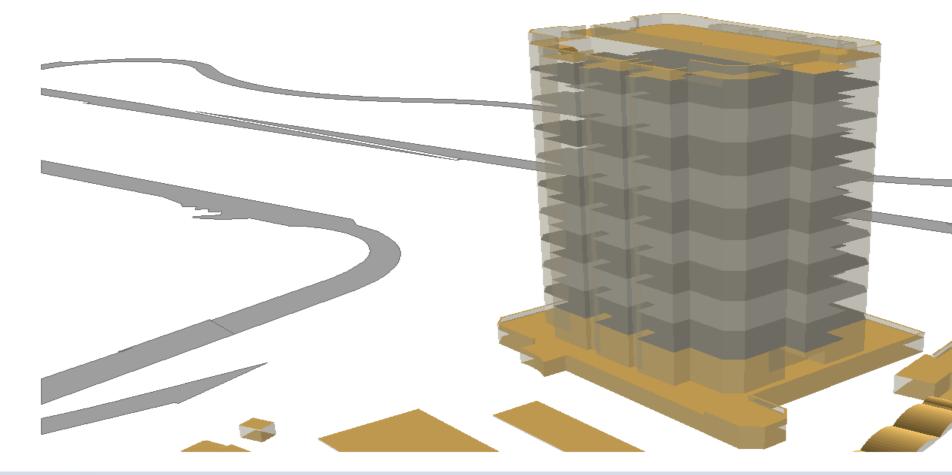




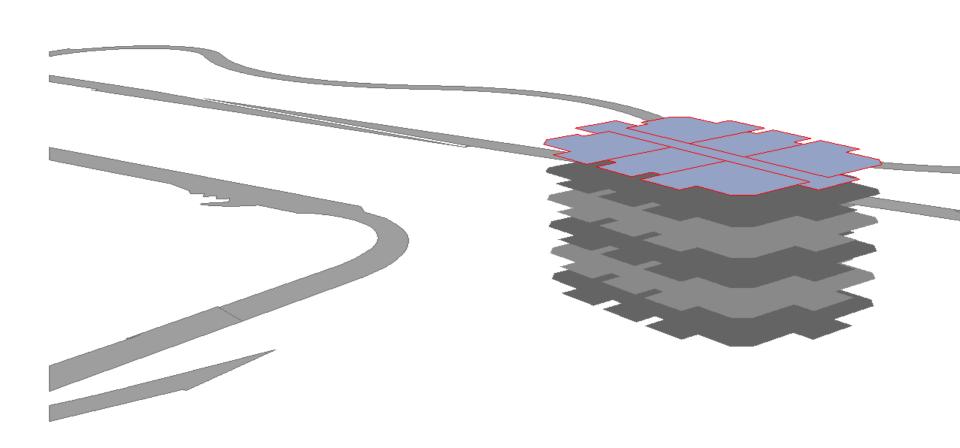










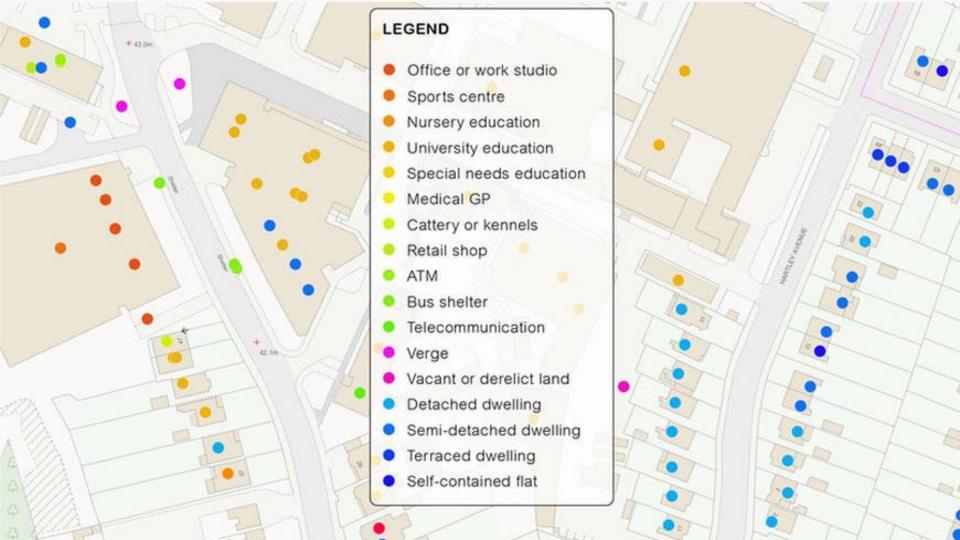




OGC smart cities pilot

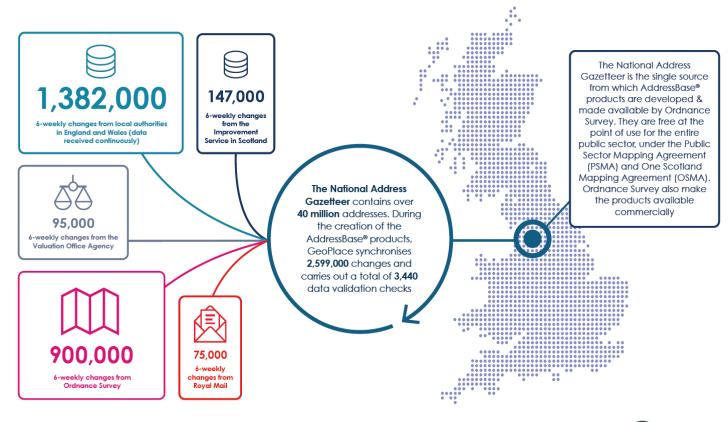






Data sources and change intelligence for the National Address Gazetteer infastructure

GeoPlace: managing the definitive index of addresses and streets for Great Britain













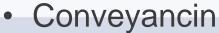
HOW LOCAL AUTHORITIES USE THE UPRN



SERVICE DELIVERY

Public Sector:

- Blue light services
- Environmenta I health
- Planning
- Voting
- Taxation









Private Sector:





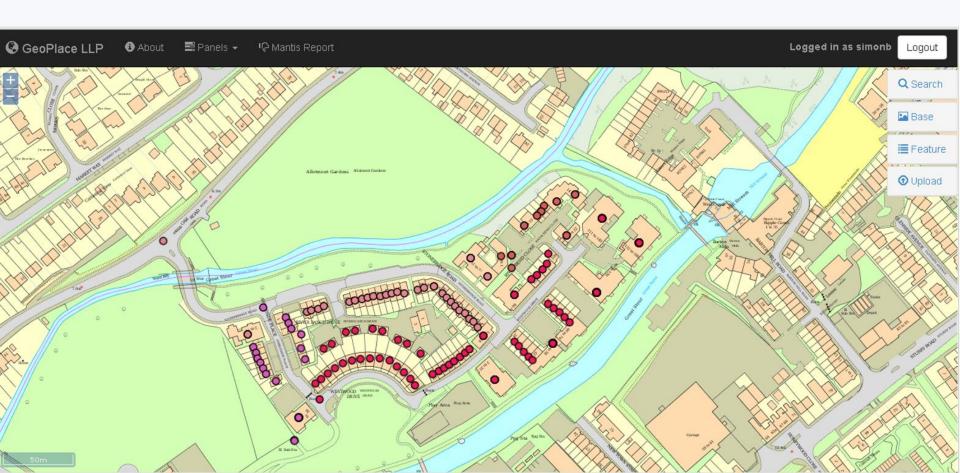
- Fcommerce fulfilment
- Insurance & banking
- Utility connections
- Asset managemen







DATA ANALYSIS – SIMPLE VISUALISATION (COUNCIL TAX BAND)

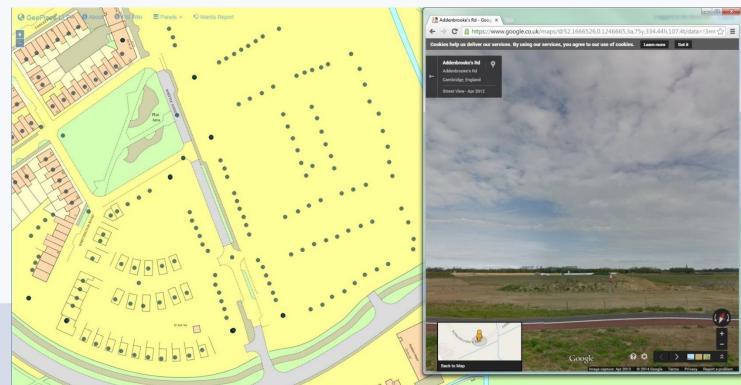


SYNCHRONISE DATA FROM DIFFERENT PROVIDERS

51, SOUTHWELL DRIVE, CAMBRIDGE, CB2 9AS (LS:6, LANG:ENG, KEY:0505L999994373, CF:N, LUD:2013-12-06)

PARCEL 18 PLOT 272, CLAY FARM DEVELOPMENT SITE, LONG ROAD, CAMBRIDGE, CB2 9AS (LS:8, LANG:ENG, KEY

CF:N, LUD:2013-12-06)







	Savings obtained	Type of improvement	Source
	£150,000pa	Using NLPG for back-office linkage and corporate IT applications.	Plymouth City Council
	£250,000	Using UPRN to verify address data on green waste collection service	Shepway District Council
	£155,000pa	Using NLPG matched to the VOA list to collect more property tax	Huntingdonshire District Council
	£20,000pa	Using the NLPG to optimise refuse collection routes (plus subsequently £110,000pa saving of one vehicle)	Teignbridge Borough Council
	£350,000pa	Using the NLPG and NSG to rationalise school transport over 4,500kms of roads	East Riding of Yorkshire Council
	£250,000pa	Improved public information handling and	Blackpool Council

notifications using elements of the NLPG



Savings made by using Ordnance Survey PSMA data...



East Riding of Yorkshire saves **£1,000,000** on school transport.



Harrow Council's waste project saves £3,200,000 over 10 years.



Automated bus pass allocation project saves Liverpool £50,000.



Gloucestershire County Council saves £2,000,000 on tendered bus services.



The Suffolk Waste Partnership saves St. Edmundsbury District Council £180,000.



North Somerset
District Council saves
£690,000 on school
transport.



Lee Valley Regional Park Authority saves **£100,000** on grounds

maintenance.



From 2002, London Borough of Sutton saves **£30,000** yearly on SEN transport.

HOW WE CAN HELP

1. Strategy and policy

2. Technical capacity and capability

3. Organisational efficiency

4. NMCA/CMA lifecycle development





Sharing data,
Having high quality geospatial data,
Including a maintained Address database

Can power a modern nation

and geo-enable

Oman

