OGC CityGML Hackathon

Datasets available for practical work

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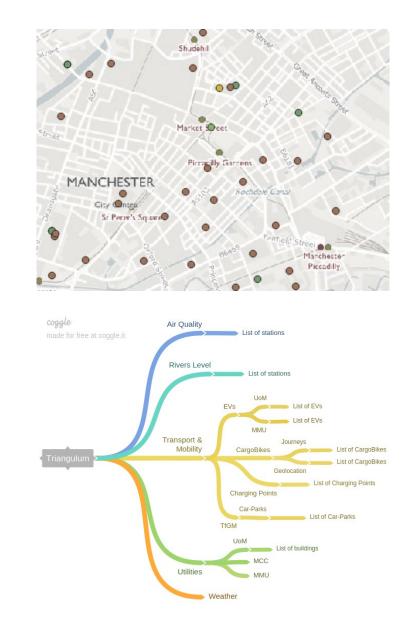
• Manchester-I



- portal for city related data, real-time data sources Hub
- created through the EU's Horizon 2020 project 'Triangulum'
- Data generated from two projects: 'Triangulum' and 'CityVerve' which aim to build and deliver a smarter, more connected Manchester, creating a city that uses technology to meet the complex needs of its people
- Triangulum focused on specific interventions in energy, mobility, ICT and the use of data in applications
- CityVerve pioneering the use of IoT technologies to redefine 'smart' in the context of living, working city.

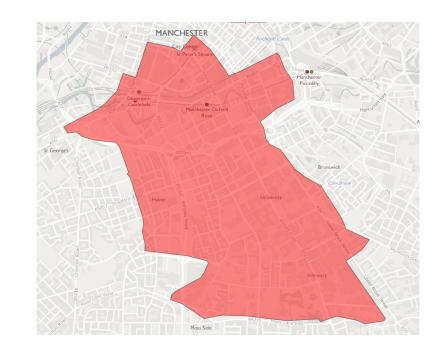


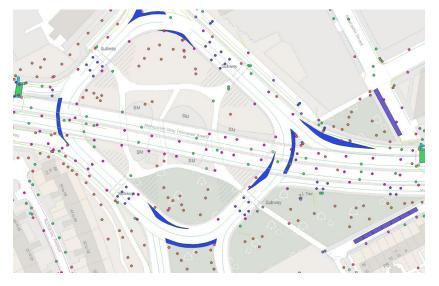
- Manchester-I available data:
 - Utilities energy consumption for University of Manchester estates;
 - Air quality air quality measures from DEFRA;
 - Rivers level water level measured in a number of keypoints across the river and canal system of Greater Manchester;
 - Weather data collected from the Whitworth Meteorological Observatory
 - Transport and mobility car parks, EVcharging stations, sessions and journeys, cargo bikes
 - TfGM cycle counters for 10 locations in Manchester





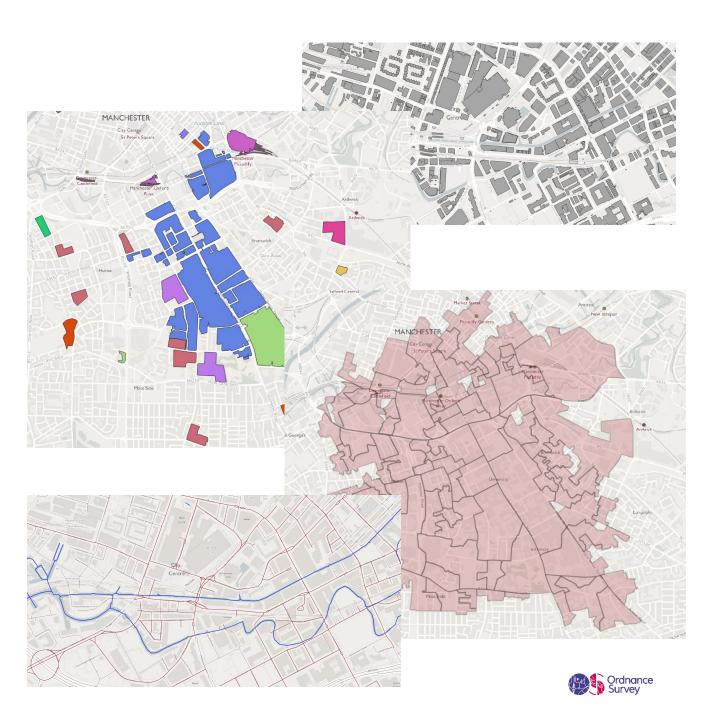
- Ordnance Survey-data created for CityVerve project:
 - Street asset line features eg road markings, street furniture
 - Street asset points from eg tree, litter bin, street lamp
 - Street asset polygons eg parking bay, box junction, traffic island



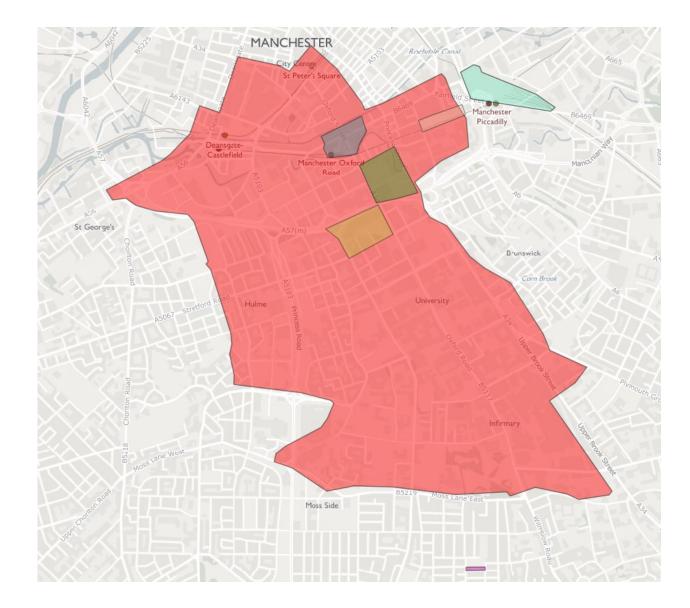




- Ordnance Survey-datasets derived from OS Products:
 - Topographic areas, greenspaces, functional sites with access points, wards, OS Boundary Line and ONS lookup data
 - Addresses, points of interest, postcodes
 - Watercourse links, road links, streets



- Ordnance Survey-AOIs:
 - Whitworth_Str_Oxford_Rd
 - MMU All Saints
 - Piccadilly Station
 - Charles Street
 - Sackville Building Granby Road
 - Heald Avenue





- Datasets available for AOIs:
 - DSM
 - DTM
 - CityGML-LOD1 and LOD2
 - Orthoimagery
 - Building Footprints
 - 3DMesh tiles









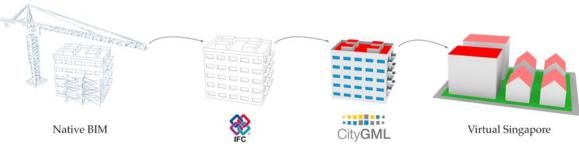


- Ordnance Survey Manchester UAV data:
 - DEM
 - Point Cloud
 - Orthorectified imagery





- Ordnance Survey-other data:
 - OSHQ Blender model



- CityGMLv2 data from Manchester and Singapore

