

NIC UKCRIC Digital Twin Data Challenge and Policy Thinkathon

Kick Off Datasets

Data Source	Data Description	Link
The Bristol Port Company	Port data (shipping information, weather and tides)	https://www.bristolport.co.uk/shipping
Department for Business, Energy and Industrial Strategy	Overall, Transport, Domestic, Industrial and Service sector energy consumption in the UK	https://www.gov.uk/government/statistics/energy-consumption-in-the-uk
Department for Business, Energy and Industrial Strategy	Sub-national gas consumption data	https://www.gov.uk/government/collections/sub-national-gas-consumption-data
Department for Business, Energy and Industrial Strategy	Sub-national electricity consumption data	https://www.gov.uk/government/collections/sub-national-electricity-consumption-data
Open Data Bristol	158 datasets covering traffic and travel, obesity, elections, parks, BMX parks, smoke control zone, toilets and various surveys, etc.	https://opendata.bristol.gov.uk/explore/?sort=modified
Consumer Data Research Centre	Comprehensive spatial data for the whole UK	https://maps.cdrc.ac.uk/#/indicators/ahah_pm10/default/BTTTT/14/-2.6019/51.4807/
British Geological Survey	The BGS produces a wide range of data products	http://www.bgs.ac.uk/products/home.html?src=topNav
British Geological Survey	OpenGeoscience - Geological information with maps, photographs, reports and vector data	http://www.bgs.ac.uk/opengeoscience/
British Geological Survey	BGS Civils bundle - a suite of national maps of engineering properties based on geological data and the digital 1:50 000 scale geological map - costs though	http://www.bgs.ac.uk/products/digitalmaps/digMapGB-plus/civilsBundleHome.html
Ordnance Survey	Range of open data at 50k scale (Google Vectormap-district) for terrain (DTMs) and topology (roads, rail, buildings)	https://www.ordnancesurvey.co.uk/business-and-government/products/opendata-products.html
National Grid	National Grid post all their towers, cables and substations online as ESRI shape files	http://www2.nationalgrid.com/uk/services/land-and-development/planning-authority/shape-files/

Ordnance Survey	The dedicated roads layer or the roads layer from one of the full map datasets. Link based and classified but do not have data on restrictions on traffic movements. Available in standard GIS formats	https://www.ordnancesurvey.co.uk/opendatadownload/products.html
Ordnance Survey	Much more comprehensive data on traffic restrictions etc. available in multiple formats but	https://www.ordnancesurvey.co.uk/business-and-government/products/os-mastermap-highways-network-products.html
Open Street Map	Street maps	http://www.openstreetmap.org/#map=5/54.910/-3.432
Office for National Statistics	Census data	https://www.ons.gov.uk/census/2011census
Official Statistics	English indices of deprivation 2015	https://www.gov.uk/government/statistics/english-indices-of-deprivation-2015
Zoopla	Property Values	https://developer.zoopla.co.uk/
Office for National Statistics	Open Geography portal from ONS provides free and open access to the definitive source of geographic products, web applications, story maps, services and API	http://geoportal.statistics.gov.uk/
Centre for Ecology and Hydrology	Land Cover Map 2015	https://www.ceh.ac.uk/services/land-cover-map-2015#data
Copernicus	Land cover and usage	http://land.copernicus.eu/pan-european/corine-land-cover
Twitter	Geolocated and infrastructure related tweets	https://dev.twitter.com/
Open Street Map	Huge amount of highways data including restrictions, cycle routes and parking stands and capacity, public transport network and lines.	http://www.openstreetmap.org/#map=5/54.910/-3.432
Environment Agency	1,402 dataset relating to our environment, including pollution incidents, licenced activities, floods, etc.	https://data.gov.uk/publisher/environment-agency
Data Bristol	Focused on ward and LSOA level data for a range of topics, and eventually this will be subsumed into the new Open Data Platform.	http://ias.bristol.gov.uk/