

PRODUCT MANAGEMENT

OS Greenspace – making the most of the data

ORN Seminar on Greenspace Infrastructure
22nd November 2017



This workshop

- Why are we here?
- Solving problems with Greenspace
- The Greenspace products
- Solutions with Greenspace
- Taking it forward

Timeline



Exploring problems

Why are we here?

Innovation =
Problem x Solution x Execution

What is innovation?

invention



Problem x Solution x **Execution**

What is innovation?

assumption



Problem x Solution x Execution

What is innovation?

hmmm...

Problem x Solution x Execution

I = P x S x E

What is the problem you're trying to solve?

Who does it affect?

Why does it matter?

We love problems!!!

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PROBLEMS PROBLEMS PROBLEMS PROBLEMS PROBLEMS
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Asking “Why” finds problems

Why?

Why?

Why?

15 minutes

Complete problem cards
(on your own or in pairs)

NAME: JOHN SMITH (OS)

Problem Definition Card
Spotting great opportunities to innovate

GEOVATION

Problem Title
Give your problem a snappy three-word title

WHERE'S MY PIPES?

Who does the problem affect? BUSINESS, HI/OLDERS UTILITIES	Where does it happen? ACROSS 6 WATER & WASTEWATER NETWORKS
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What is the problem?
Explain clearly and concisely what the problem is

A LOT OF WATER INFRASTRUCTURE IS UNDERGROUND; IT LEAKS AND ROCKS CAUSING FLOODING, POLLUTION AND WASTE. LITTLE IS UNDERSTOOD ABOUT WHERE THE PROBLEM IS.

Why does it matter?
Quantify/substantiate why the problem is worth solving

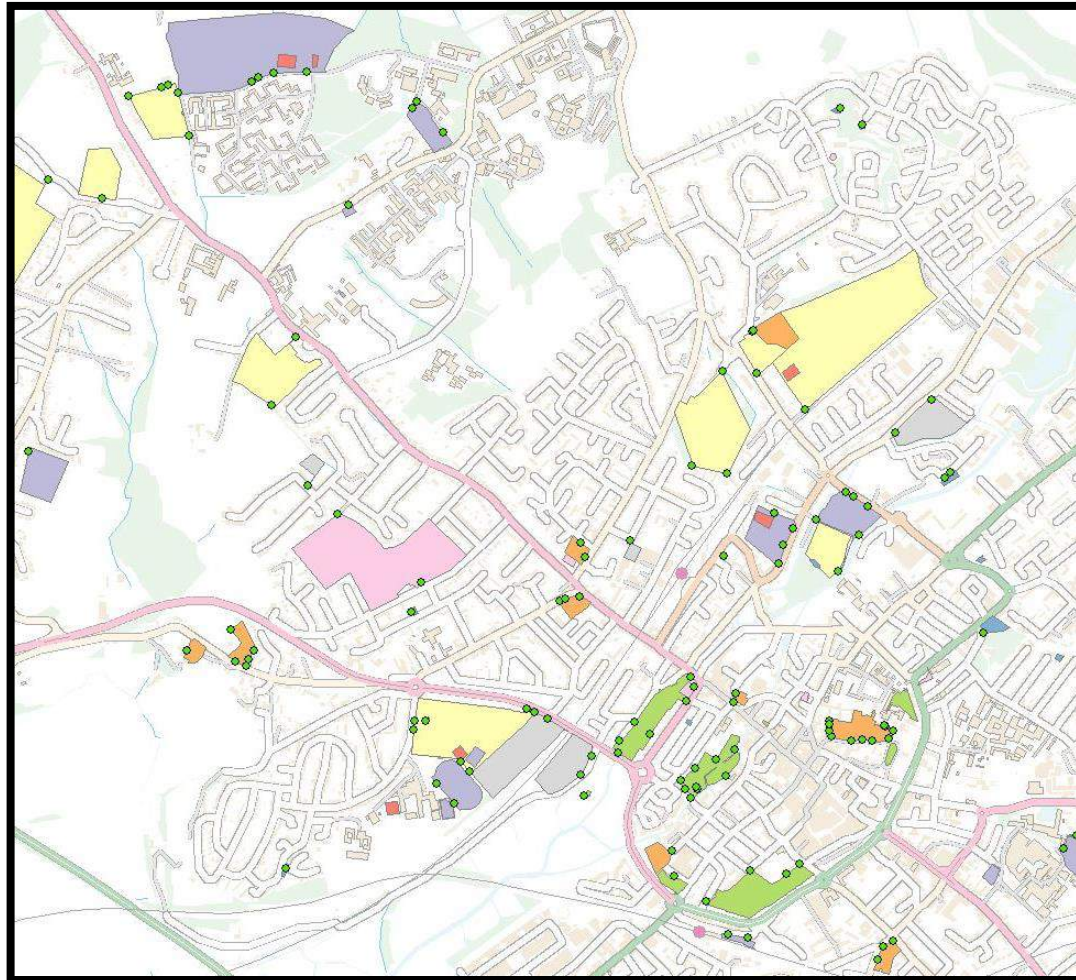
UK SEWERS ADD UP TO A TOTAL 624 000 KM WITH ONLY A 1/4 OF THE NETWORK BEING MONITORED FOR OVERFLOWS UPTO 31 000 COMBINED SEWER OVERFLOWS IN UK /YR (MARINE CONSERVATION SOC) 20% TREATED WATER IS LOST TO LEAKS

Themes

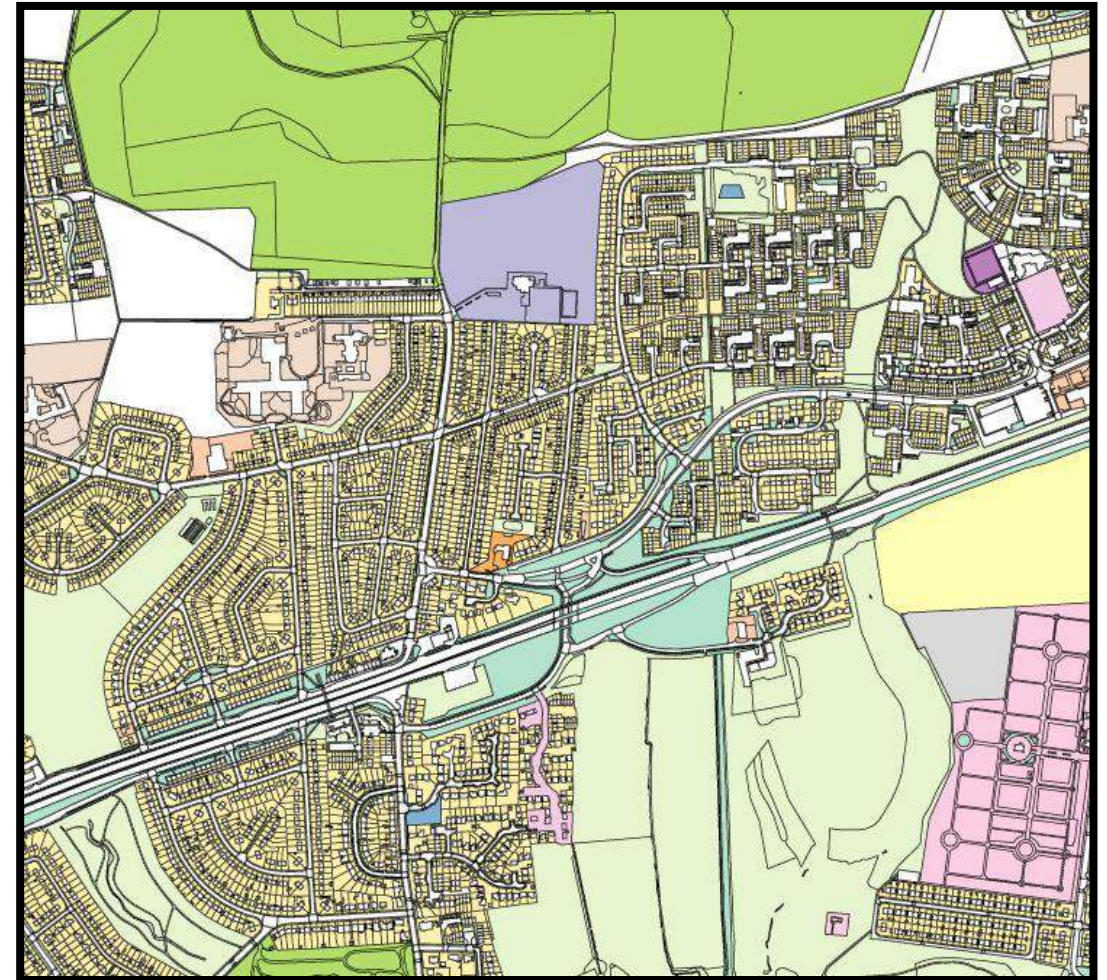
Can we group our problems?

We're not solving them just yet...

OS Open Greenspace



OS MasterMap Greenspace Layer



Public Sector Only

OS Open Greenspace Dataset

Audience

- For the general public
- Use to find places to visit for recreation and leisure

Content

- Includes publicly accessible greenspaces
- Depicts the extent of features, where available, their access points
- Generalised geometry
- National GB dataset (urban and rural geography)

Availability

- Licenced as Open data
- Available for download from OS via data.gov.uk
- Published as layer on OS Maps consumer web portal and apps
- Included in Tell OS-style portal to allow expert users (i.e. PSMA/OSMA members) to provide feedback
- Updated every 6 months
- Supplied in GML 3.2.1 and ESRI Shapefile

OS Open Greenspace Dataset

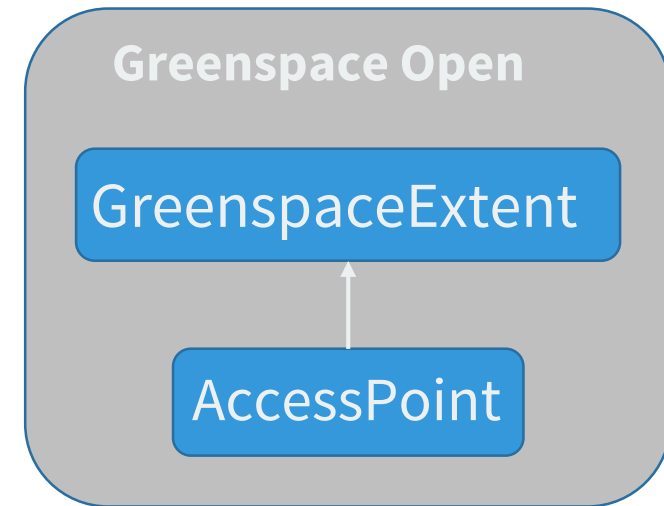


GreenspaceExtents

Attributes
id
function
distinctiveName1
distinctiveName2
distinctiveName3
distinctiveName4

AccessPoints

Attributes
id
accessType
refToGreenspaceExtent



OS Open Greenspace Dataset

What's included:

Public park or garden

Play space

Playing field

Golf course

Tennis courts

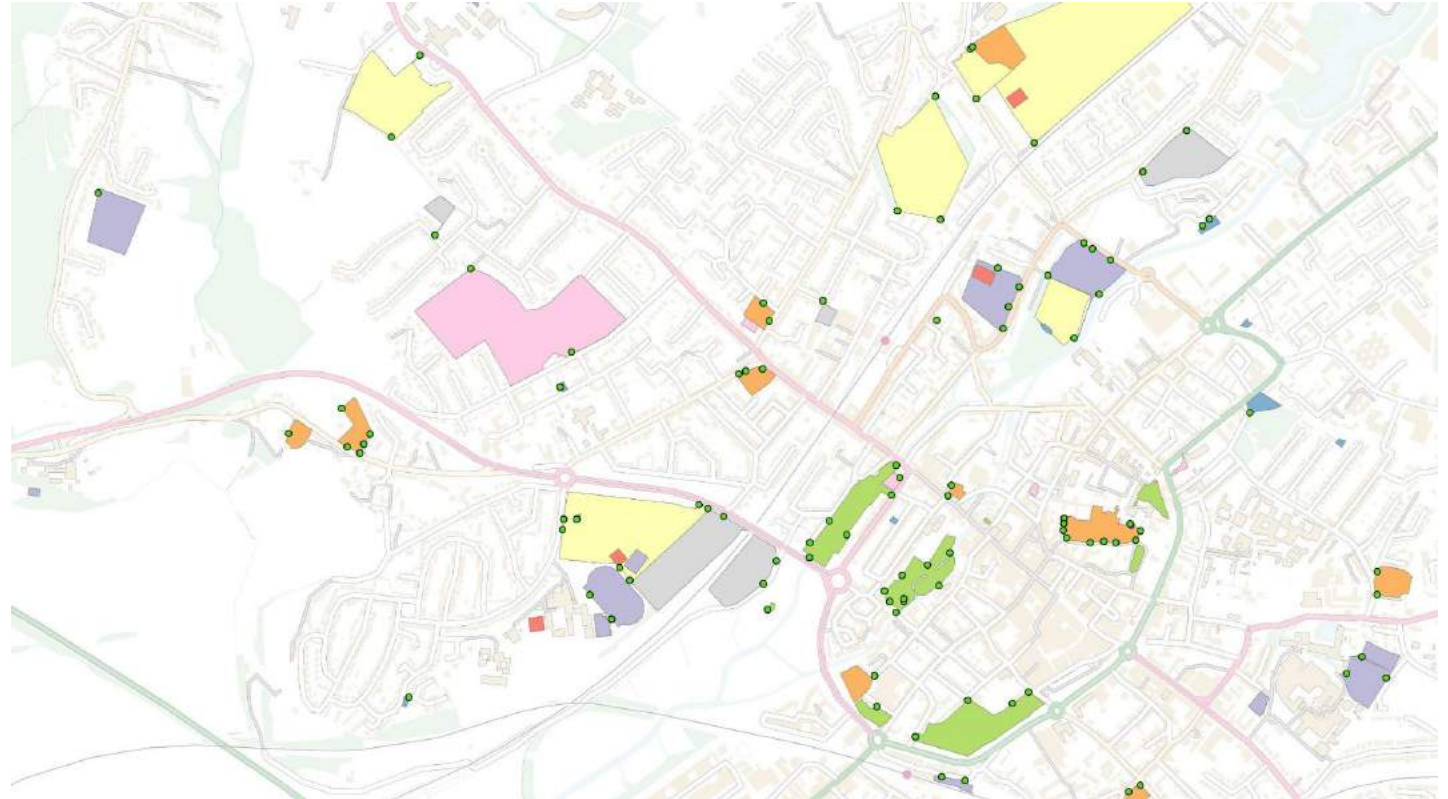
Bowling green

Other Sports Facility

Allotments or Community Growing Spaces

Religious Ground

Cemetery



OS MasterMap Greenspace Layer

Audience

- Intended for public sector use, particularly local and central government
- To enable effective management of green infrastructure for benefits including health/wellbeing, climate change resilience, reduced urban flooding and biodiversity

Content

- A comprehensive dataset of green spaces including both publicly accessible and non-accessible areas
- Consists of all the 'green bits' of Topography Layer, with attribution describing their land use/land cover
- National dataset, but covering urban areas only
- In sync with a release of MasterMap Topography Layer
- In sync with OS Open Greenspace, with a link file between the two

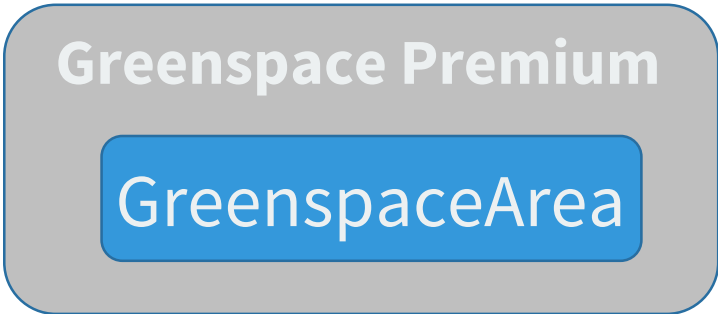
Availability

- Licenced for Public Sector use only via PSMA and OSMA agreements
- Available for download from OS as 5km chunks
- Included in Tell OS-style portal to allow expert users (ie PSMA/OSMA members) to provide feedback
- Updated every 6 months
- Supplied in GML 3.2.1 and ESRI Shapefile

OS MasterMap Greenspace Layer Dataset



Attributes
TOID
version
geometry
primaryFunction
secondaryFunction
primaryForm
secondaryForm



OS MasterMap Greenspace Layer

What's included:

Public park or garden

Play space

Playing field

Golf course

Tennis courts

Bowling green

Other Sports Facility

Allotments or Community Growing Spaces

Religious Grounds

Cemetery

Private garden

School grounds

Institutional grounds*

Amenity - Residential or Business

Amenity - transport

Camping or Caravan Park

Land Use Changing

Natural

Woodland

Open semi-natural

Inland water

Beach or Foreshore

Manmade Surface

Multi-Surface

*includes sites for features open to the public that can have significant areas of associated green space (e.g. Libraries, Museums, Theatres), and government-owned sites that can have significant areas of associated green spaces (e.g. Prisons, Courts, Police, Fire and Ambulance Stations)

Expert Feedback

- Systems in place for feedback to OS
 TellOS-style portal
 PSMA/OSMA customers
- Feedback on both the Open and MasterMap products

Ordnance Survey – Great Britain's national mapping agency

Ordnance Survey

Errors and Omissions Reporting

OS Website Report Tracking Errors and Omissions Reporting

Errors and Omissions Reporting

Ordnance Survey is committed to maintaining its products to the highest levels of accuracy and currency. However, despite our best endeavours there are occasionally issues with the map data we provide to our customers.

Please follow the simple steps in this tool to tell us about them. Thank you.

Tell OS

Click the button to begin

[Click here to track an existing report \(you'll need your report reference code\)](#)

By using this tool you agree to our [terms of use](#).

Ordnance Survey © Crown copyright 2014



Finding greenspaces has never been easier!

The new free Greenspace layer in OS Maps is the easiest way to discover greenspaces across Britain.

Discover the great outdoors! Whether it's a quick click online or a simple tap on the app, OS Maps lets you find different places for leisure and recreation across England, Scotland and Wales.

Stroll across a public park, run around a playing field, exercise at a sports facility, have fun in a play area, or reap the rewards of renting an allotment. Greenspace is Britain's most comprehensive catalogue of accessible places.



OS Maps

The screenshot shows the OS Maps website interface. At the top, there is a search bar with the text "Search for Location", navigation links for "ROUTES", "PLACES", and "#GetOutside", a "7 day free trial" button, and a "Sign in" button next to the Ordnance Survey logo. The main map area displays a map of Liverpool and surrounding areas, with various green spaces highlighted in different colors. A legend overlay is visible on the right side of the map, titled "Greenspace". The legend includes a description: "Greenspaces are outdoor areas such as parks, recreation grounds and playgrounds likely to be accessible to the public; only the types of greenspace listed below are included." It also provides instructions: "You can browse the map to find greenspaces and see what they are used for." The legend lists the following categories with corresponding color swatches: Pedestrian access (green circle), Vehicle access (orange circle), Public Park Or Garden (teal square), Play Space (yellow square), Playing Field (light green square), Sports (yellow-green square), Golf Course (light yellow square), Allotments Or Community Growing Space (grey square), and Religious Ground And Cemeteries (purple square). At the bottom right of the map, there is a scale bar showing 2 km and 1 mi, a "Peover Heath" label, and a copyright notice: "Contains OS data © Crown copyright and database rights 2017".

OS Open Greenspace



Layers Panel

- GB_GreenspaceSite
- GB_AccessPoint

The Layers Panel is located on the left side of the interface. It features a list of layers with checkboxes and a small thumbnail for each. The 'GB_GreenspaceSite' layer is currently selected and highlighted in blue. Below the layer list, there are icons for layer visibility, opacity, and other layer management functions.





Layers Panel

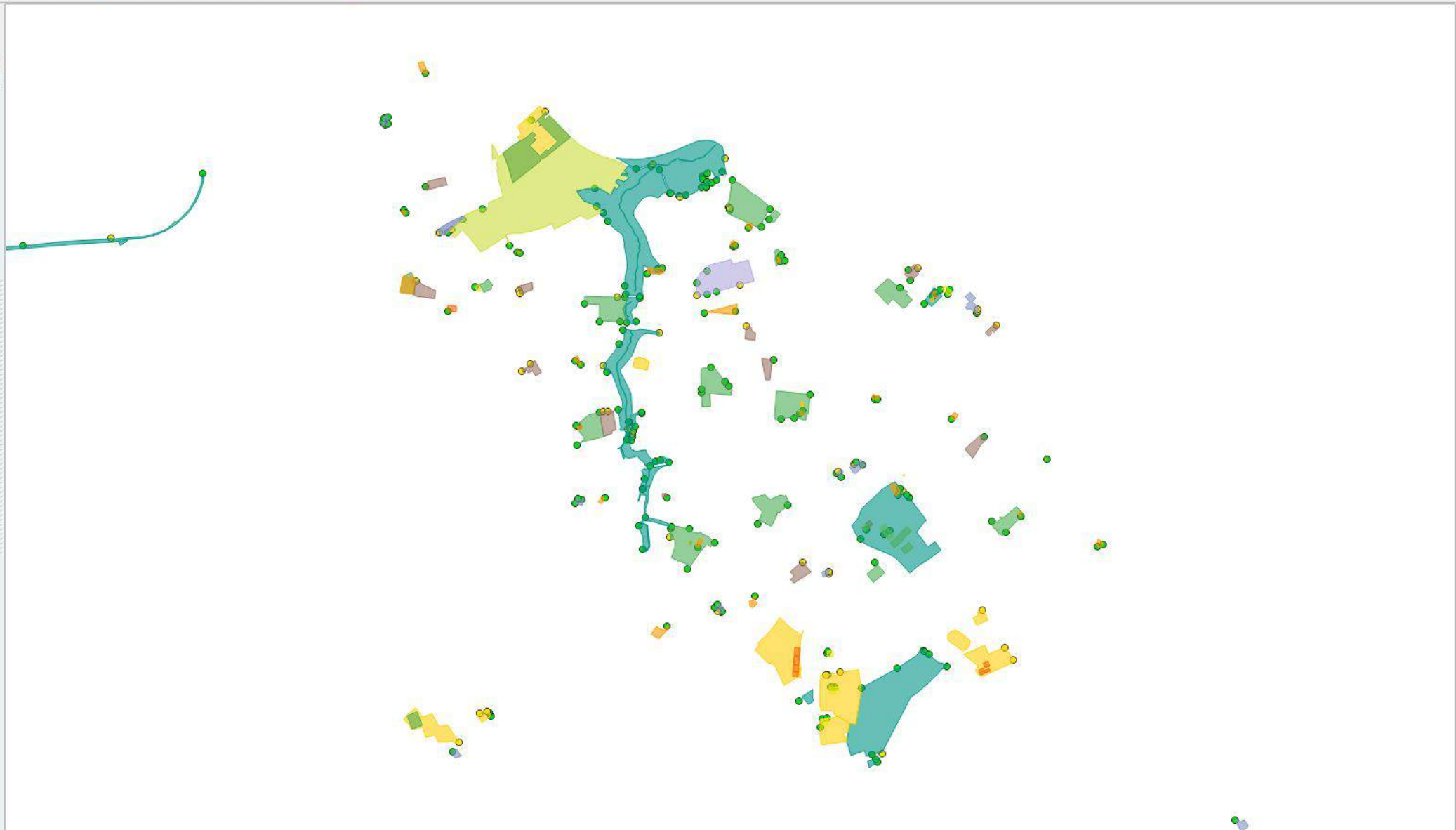
- GB_GreenspaceSite
 - GB_AccessPoint
 - Motor Vehicle
 - Motor Vehicle And Pedestrian
 - Pedestrian





Layers Panel

- GB_GreenspaceSite
- GB_AccessPoint
 - Motor Vehicle
 - Motor Vehicle And Pedestrian
 - Pedestrian





Layers Panel

- GB GreenspaceSite
 - Allotments Or Community Growing Spaces
 - Bowling Green
 - Cemetery
 - Golf Course
 - Other Sports Facility
 - Play Space
 - Playing Field
 - Public Park Or Garden
 - Religious Grounds
 - Tennis Court
- GB AccessPoint
 - Motor Vehicle
 - Motor Vehicle And Pedestrian
 - Pedestrian



Attribute table - GB_GreenspaceSite :: Features total: 134055, filtered: 134055, selected: 0

	id	function	distName1	distName2	distName3	distName4
24	567A5D66-1B5E-3675-E053-2362A00AB33E	Allotments Or Community Growing Spaces	NULL	NULL	NULL	NULL
25	567A5D66-029B-3675-E053-2362A00AB33E	Playing Field	NULL	NULL	NULL	NULL
26	567A5D66-01E6-3675-E053-2362A00AB33E	Religious Grounds	Christ Church	NULL	NULL	NULL
27	567A5D66-2000-3675-E053-2362A00AB33E	Religious Grounds	St Peter's Church	NULL	NULL	NULL
28	567A5CDB-2B46-3675-E053-2362A00AB33E	Other Sports Facility	NULL	NULL	NULL	NULL
29	567A5D66-0286-3675-E053-2362A00AB33E	Religious Grounds	Sacred Heart Roman Catholic Church	NULL	NULL	NULL
30	567A5E5B-F405-3675-E053-2362A00AB33E	Public Park Or Garden	Coatham Enclosure	NULL	NULL	NULL
31	567A5D63-28CB-3675-E053-2362A00AB33E	Golf Course	NULL	NULL	NULL	NULL
32	567A5D81-DD79-3675-E053-2362A00AB33E	Allotments Or Community Growing Spaces	NULL	NULL	NULL	NULL
33	567A5D81-DB89-3675-E053-2362A00AB33E	Other Sports Facility	Forum	NULL	NULL	NULL
34	567A5D81-DCEE-3675-E053-2362A00AB33E	Public Park Or Garden	Kennedy Gardens	NULL	NULL	NULL
35	567A5D81-DCC5-3675-E053-2362A00AB33E	Religious Grounds	The Church Of Jesus Christ Of Latter-Day Saints	NULL	NULL	NULL
36	567A5D63-28CE-3675-E053-2362A00AB33E	Public Park Or Garden	John Whitehead Park	NULL	NULL	NULL
37	567A5D81-DAC2-3675-E053-2362A00AB33E	Tennis Court	NULL	NULL	NULL	NULL
38	567A5D81-DAB4-3675-E053-2362A00AB33E	Bowling Green	NULL	NULL	NULL	NULL
39	567A5D81-DA43-3675-E053-2362A00AB33E	Playing Field	NULL	NULL	NULL	NULL
40	567A5CD6-67D7-3675-E053-2362A00AB33E	Other Sports Facility	NULL	NULL	NULL	NULL
41	567A5CDC-2224-3675-E053-2362A00AB33E	Play Space	NULL	NULL	NULL	NULL

Show All Features

The legend is organized into two main sections, each with a collapse icon (a square with a minus sign) and a checkbox (an 'X' in a square). The first section, **GB GreenspaceSite**, is represented by a blue irregular shape icon and lists ten categories with corresponding colored swatches: Allotments Or Community Growing Spaces (brown), Bowling Green (yellow), Cemetery (purple), Golf Course (light green), Other Sports Facility (orange), Play Space (orange), Playing Field (green), Public Park Or Garden (teal), Religious Grounds (blue-grey), and Tennis Court (orange). The second section, **GB AccessPoint**, is represented by a grey circle icon and lists three categories with colored circular markers: Motor Vehicle (blue), Motor Vehicle And Pedestrian (yellow), and Pedestrian (green).

Category	Color
GB GreenspaceSite	Blue irregular shape
Allotments Or Community Growing Spaces	Brown
Bowling Green	Yellow
Cemetery	Purple
Golf Course	Light Green
Other Sports Facility	Orange
Play Space	Orange
Playing Field	Green
Public Park Or Garden	Teal
Religious Grounds	Blue-Grey
Tennis Court	Orange
GB AccessPoint	Grey circle
Motor Vehicle	Blue
Motor Vehicle And Pedestrian	Yellow
Pedestrian	Green



During the summer and autumn, we're hosting events, hacks and workshops, delving deeper into the problems and how we develop sustainable solutions.

- | | | | | |
|---|---|--|--|---|
| 1
Deep Dives
June 2017
 | 2
Challenge hacks & workshops
July to October 2017
 | 3
Challenge launch
October to November 2017
 | 4
Challenge Camp and Conference
February/March 2018
 | 5
Funded Programme starts
April 2018
 |
|---|---|--|--|---|

Enter the Geovation Challenge

website: Geovation.uk/challenge email: challenge@geovation.uk

Closing date for ideas: 29/11/17

 GEOVATION



An Ordnance Survey initiative

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