

GIS and Local Government: Cardiff, a Capital City's, Strategy

GIS i samorząd lokalny: strategia Cardiff - stolicy Walii

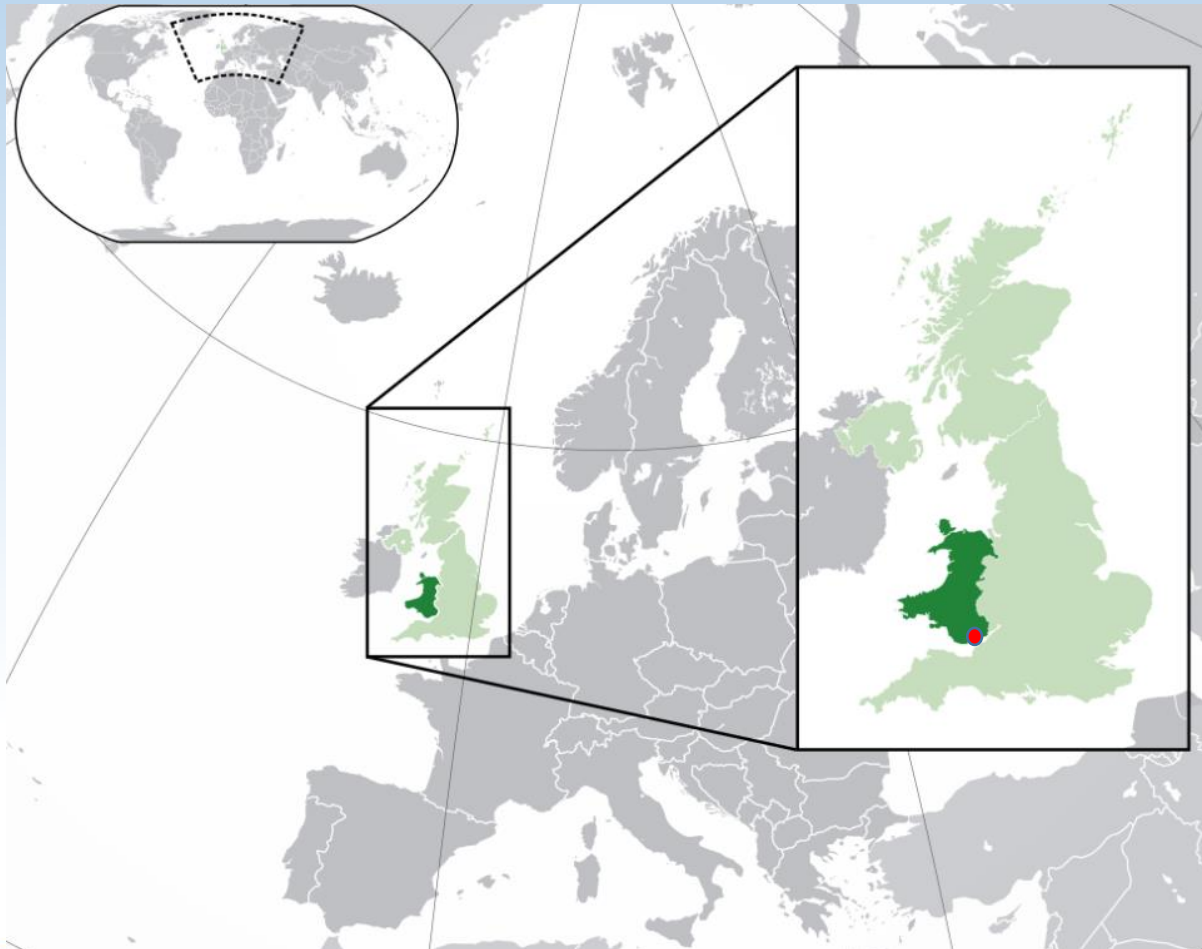
Tomasz Figurski / Jeremy Jones

Croeso / Welcome

2nd June 2022



Cardiff the Capital City of Wales



Facts:

- Wales, along with England, Scotland and Northern Ireland form the United Kingdom
- Cardiff is Wales's largest city
- Population of 357,000
- Area 140km²
- Mainly urban
- Main economy is financial and business plus tourism and sport

Fakty:

- Walia, razem z Anglią, Szkocją i Północną Irlandią tworzą Zjednoczone Królestwo
- Cardiff jest największym walijskim miastem
- 357 000 mieszkańców
- Powierzchnia 140km²
- Większość stanowią tereny mieszkaniowe
- Dominującą gałęzią gospodarki są biznes i finanse, ponadto sport i turystyka





CROESO

- Historic and cultural city
- Castles
- Industrial heritage
- Beautiful park land
- Cathedral
- University
- Docks and Cardiff Bay

- Miasto o bogatej historii i kulturze
- Miasto kilku zamków
- Dziedzictwo przemysłowe
- Wiele pięknych parków
- Katedra
- Uniwersytet
- Port i Zatoka Cardiff



Cardiff Council



Facts:

Over 13,000 employees

Local Government Services:

- Education
- Social Services
- Economic Development
- Planning
- Transport
- Environment
- Recycling and Waste
- Communities and Housing
- Resources ICT
- Dual Language

Fakty:

Ponad 13 000 pracowników

Usługi samorządu dla mieszkańców:

- Edukacja
- Pomoc socjalna
- Rozwój gospodarczy
- Planowanie przestrzenne
- Transport
- Środowisko
- Zarządzanie odpadami
- Mieszkania
- Dane cyfrowe dla działu IT
- Dwujęzyczność



Cardiff Council

Facts:

Over 13,000 employees

Local Government Services:

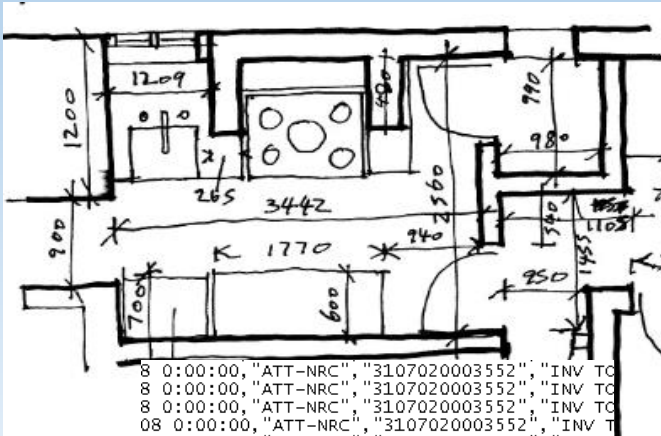
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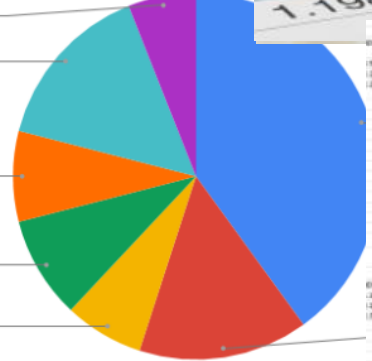
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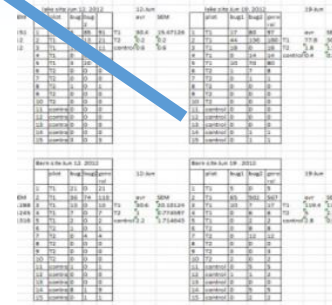
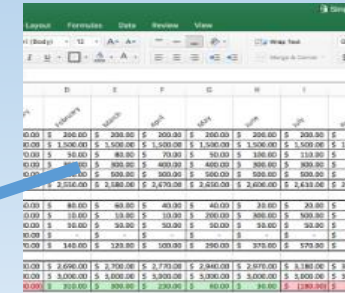
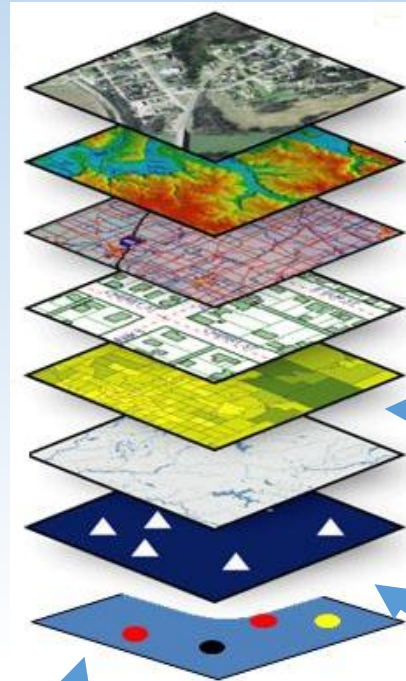
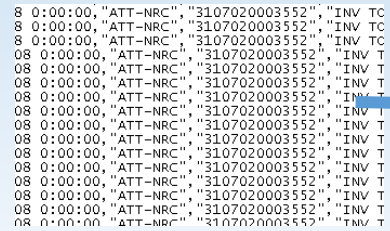
	January	March	April	May	June	July	August
01.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00
02.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00
03.00	\$ 90.00	\$ 80.00	\$ 70.00	\$ 60.00	\$ 50.00	\$ 40.00	\$ 30.00
04.00	\$ 800.00	\$ 800.00	\$ 800.00	\$ 800.00	\$ 800.00	\$ 800.00	\$ 800.00
05.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00
06.00	\$ 2,550.00	\$ 2,580.00	\$ 2,670.00	\$ 2,650.00	\$ 2,600.00	\$ 2,633.00	\$ 2,400.00

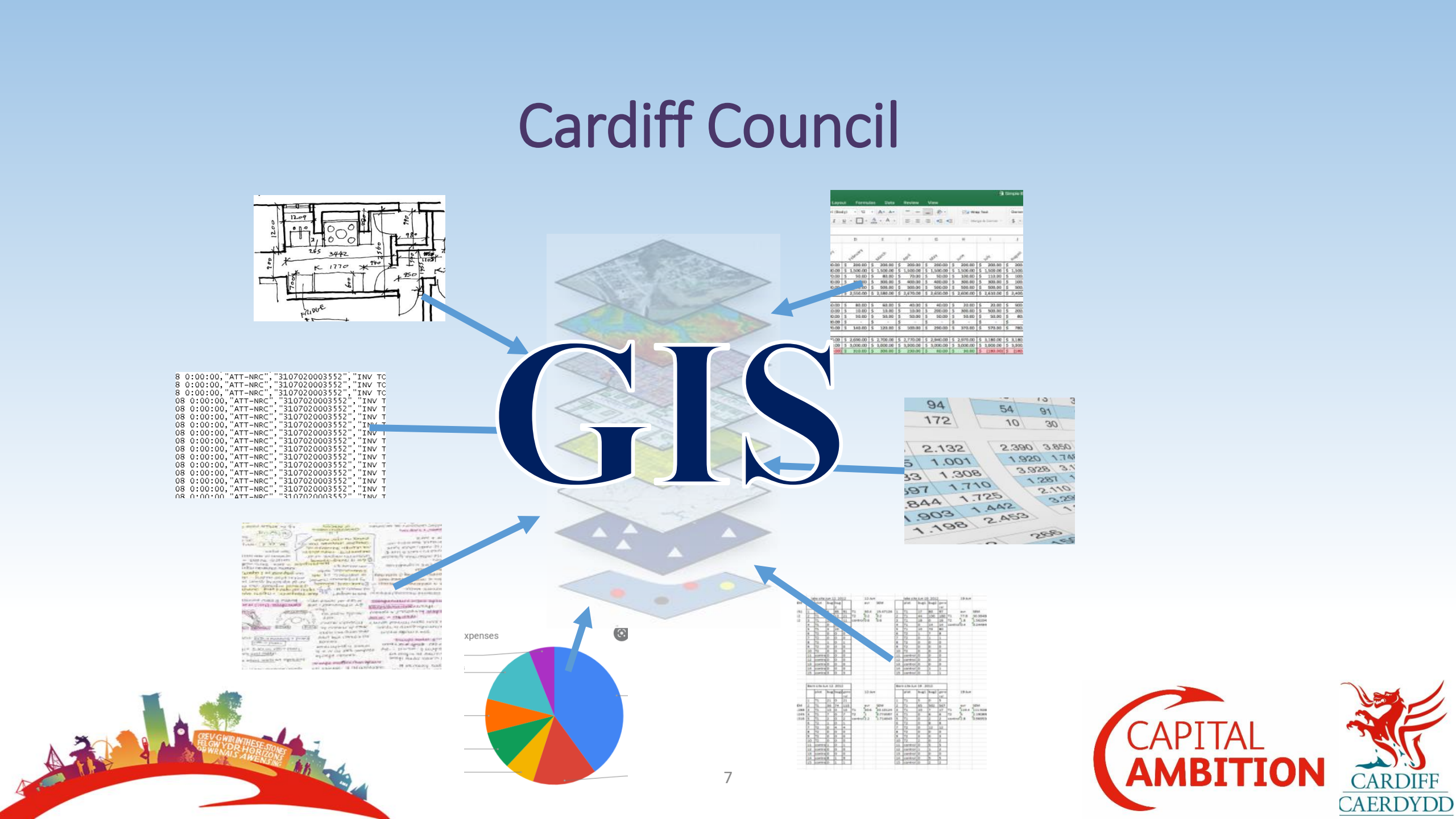
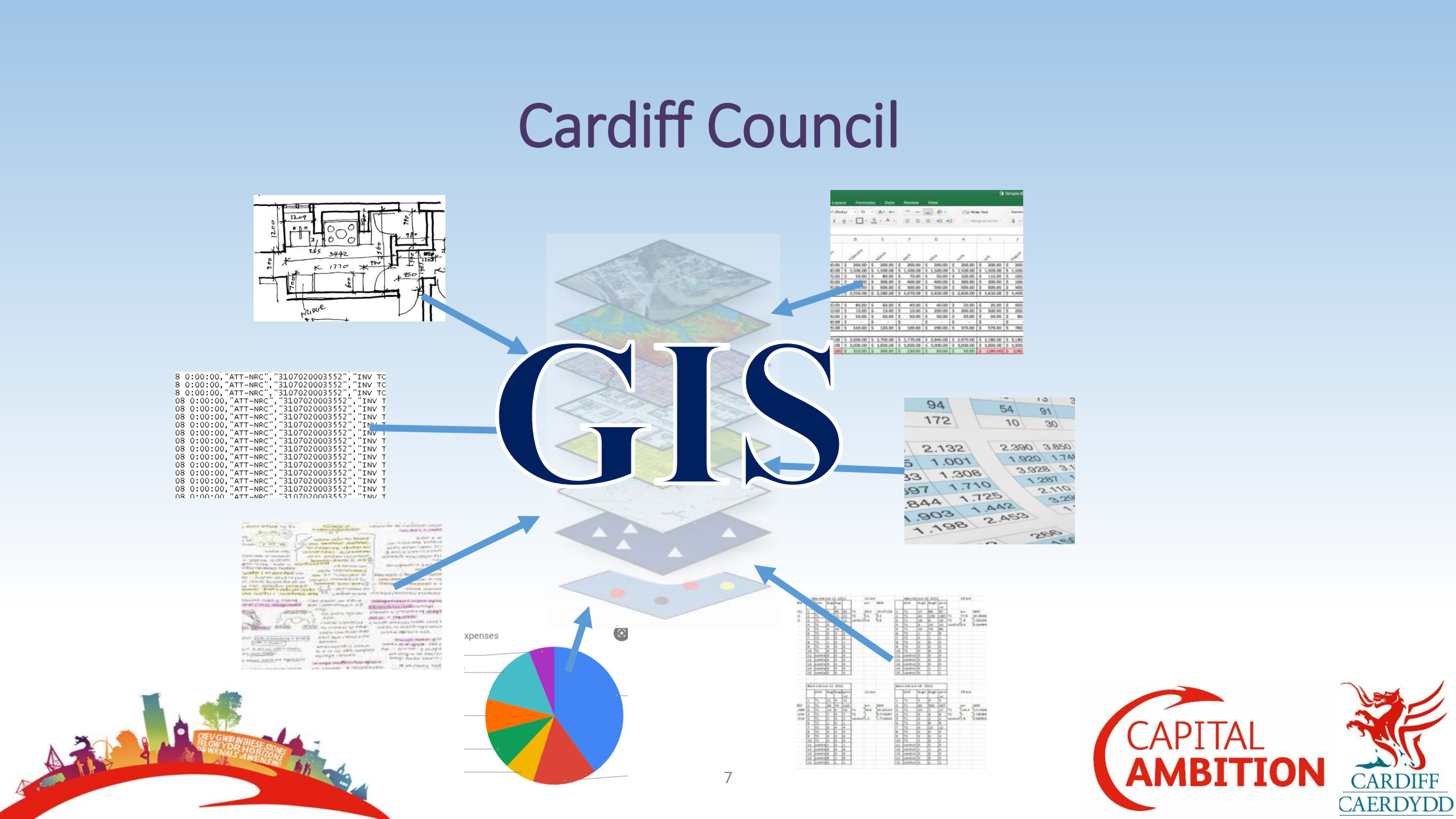
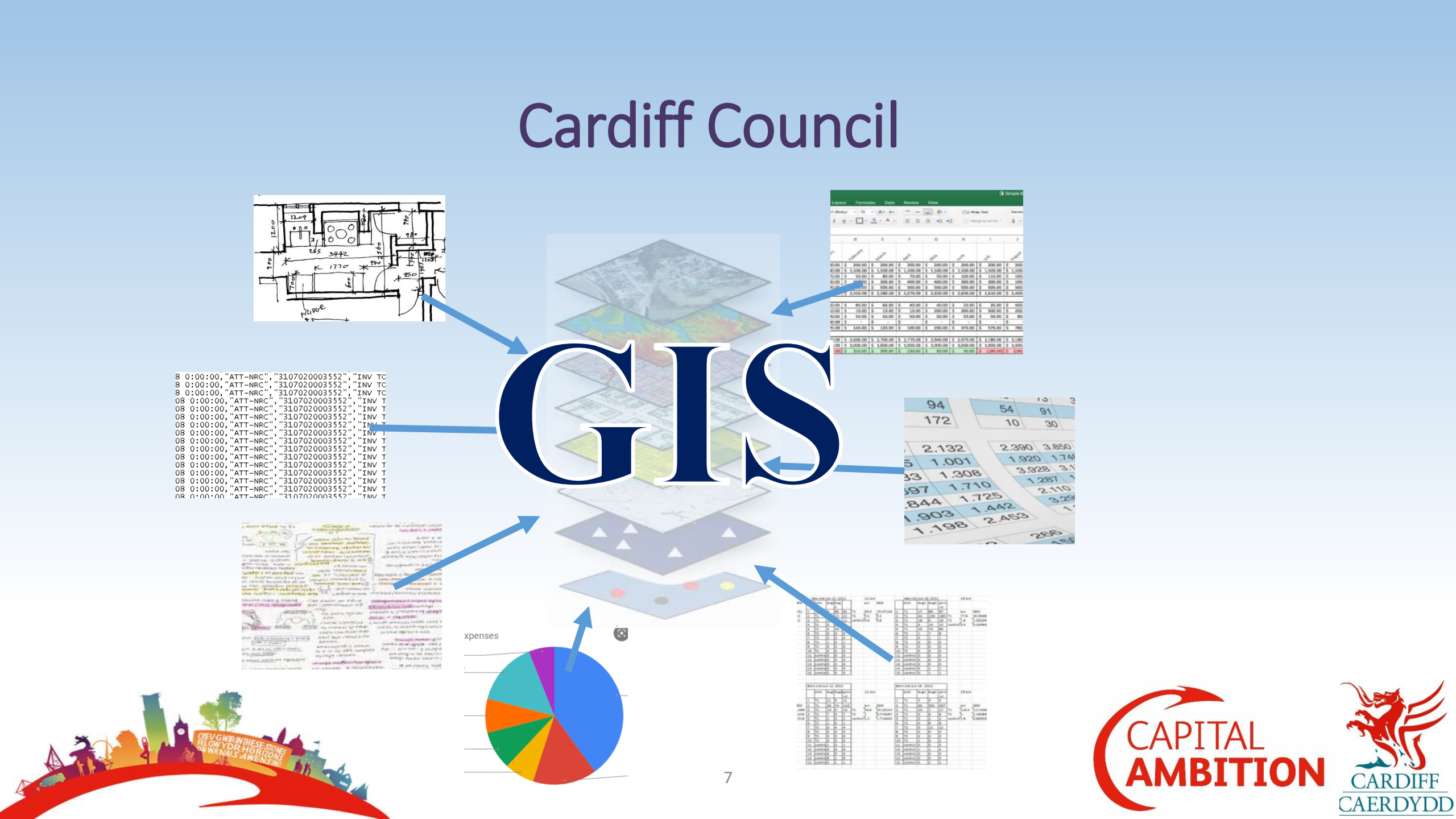
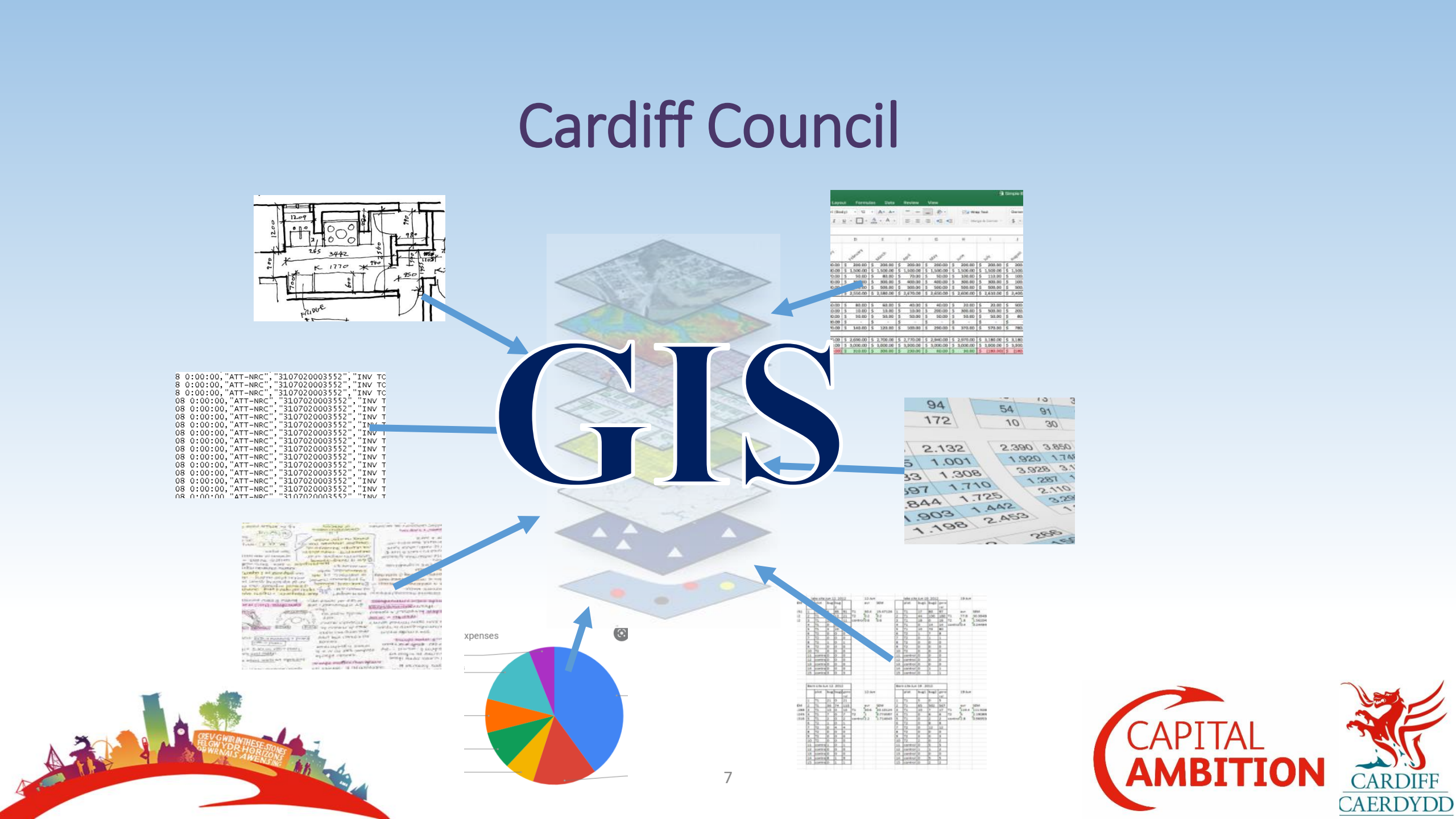
94	54	91
172	10	30
2.132	2.390	3.850
5 1.001	1.920	1.740
33 1.308	3.928	3.1
597 1.710	1.287	1
844 1.725	2.110	3.28
1.903 1.442	1	
1.198 2.453		



	10 km	10 km	10 km	10 km
01.00	1.11	1.11	1.11	1.11
02.00	1.11	1.11	1.11	1.11
03.00	1.11	1.11	1.11	1.11
04.00	1.11	1.11	1.11	1.11
05.00	1.11	1.11	1.11	1.11
06.00	1.11	1.11	1.11	1.11
07.00	1.11	1.11	1.11	1.11
08.00	1.11	1.11	1.11	1.11
09.00	1.11	1.11	1.11	1.11
10.00	1.11	1.11	1.11	1.11
11.00	1.11	1.11	1.11	1.11
12.00	1.11	1.11	1.11	1.11
13.00	1.11	1.11	1.11	1.11
14.00	1.11	1.11	1.11	1.11
15.00	1.11	1.11	1.11	1.11
16.00	1.11	1.11	1.11	1.11
17.00	1.11	1.11	1.11	1.11
18.00	1.11	1.11	1.11	1.11
19.00	1.11	1.11	1.11	1.11
20.00	1.11	1.11	1.11	1.11
21.00	1.11	1.11	1.11	1.11
22.00	1.11	1.11	1.11	1.11
23.00	1.11	1.11	1.11	1.11
24.00	1.11	1.11	1.11	1.11
25.00	1.11	1.11	1.11	1.11
26.00	1.11	1.11	1.11	1.11
27.00	1.11	1.11	1.11	1.11
28.00	1.11	1.11	1.11	1.11
29.00	1.11	1.11	1.11	1.11
30.00	1.11	1.11	1.11	1.11



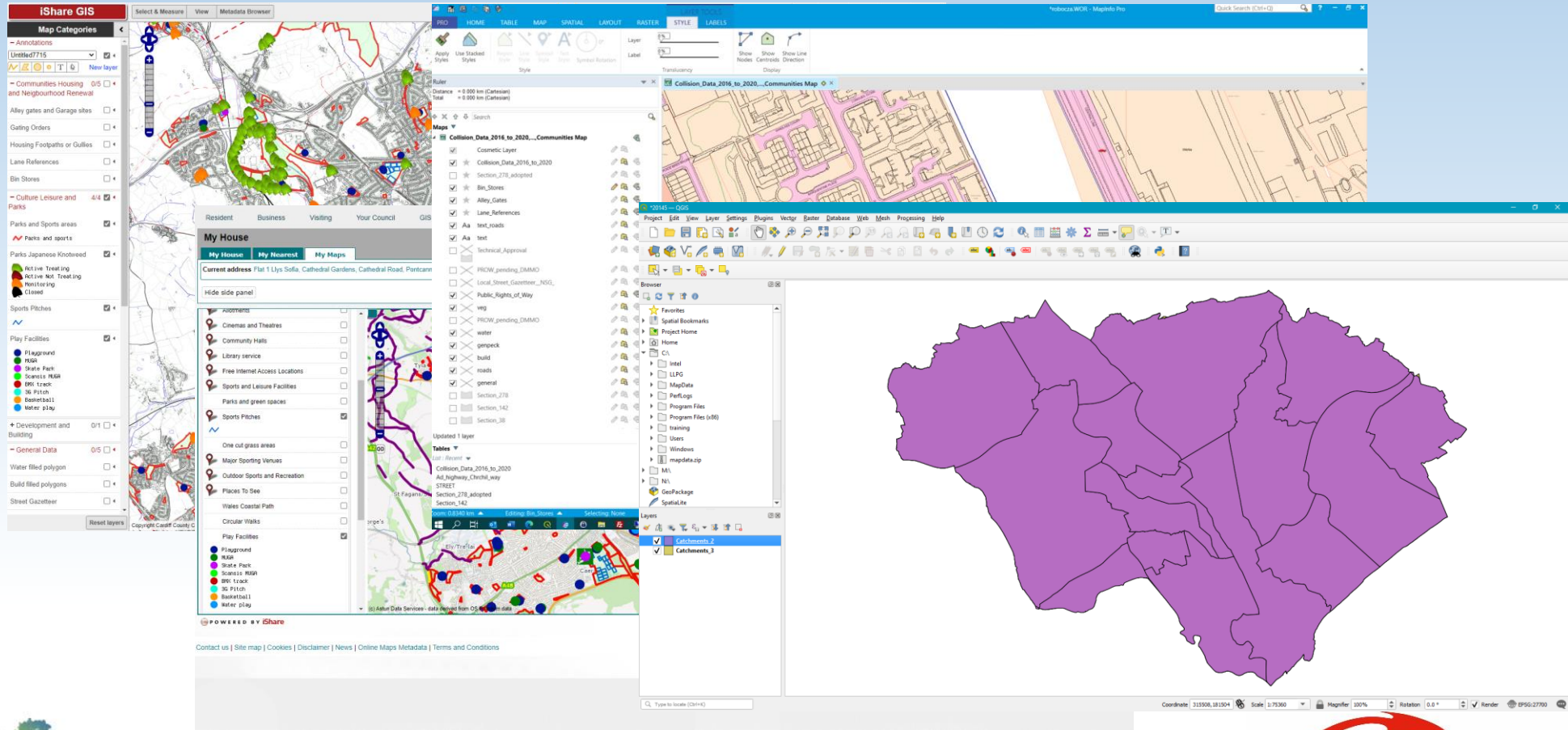
[illegible]

[illegible][illegible][illegible][illegible]



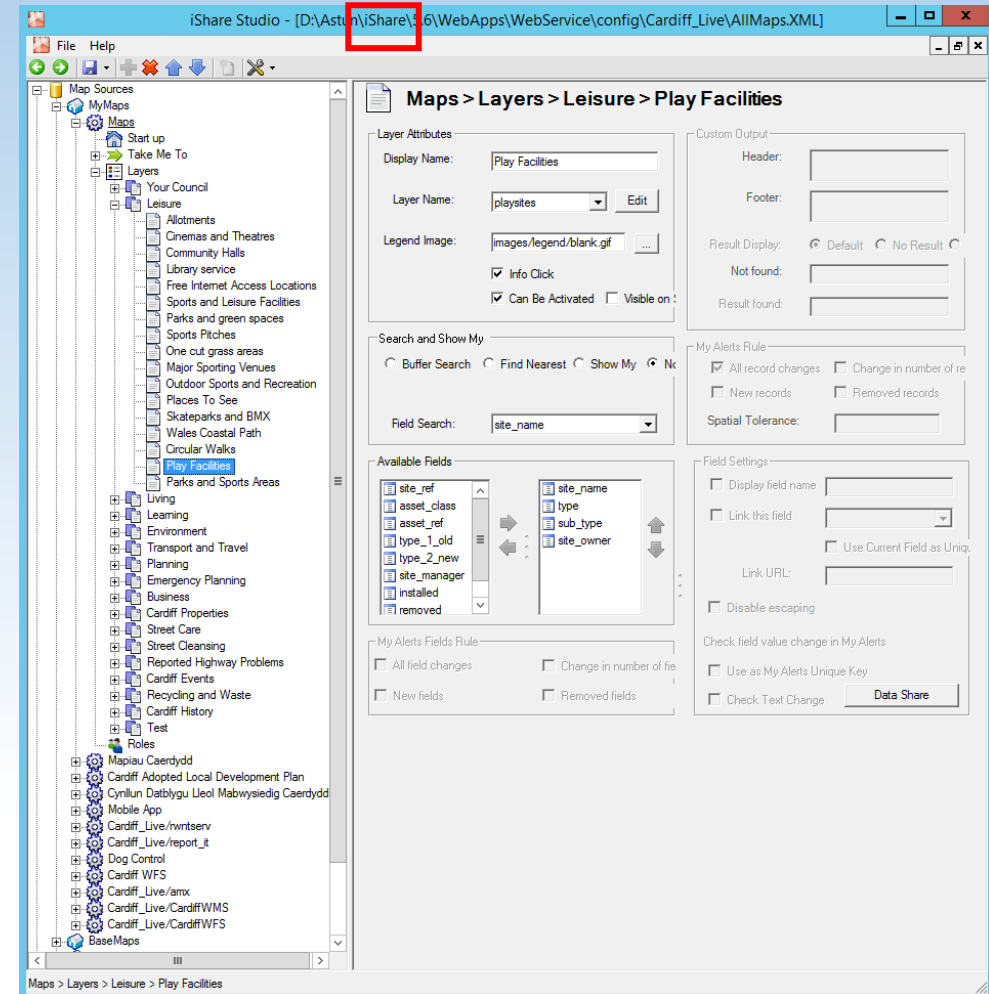
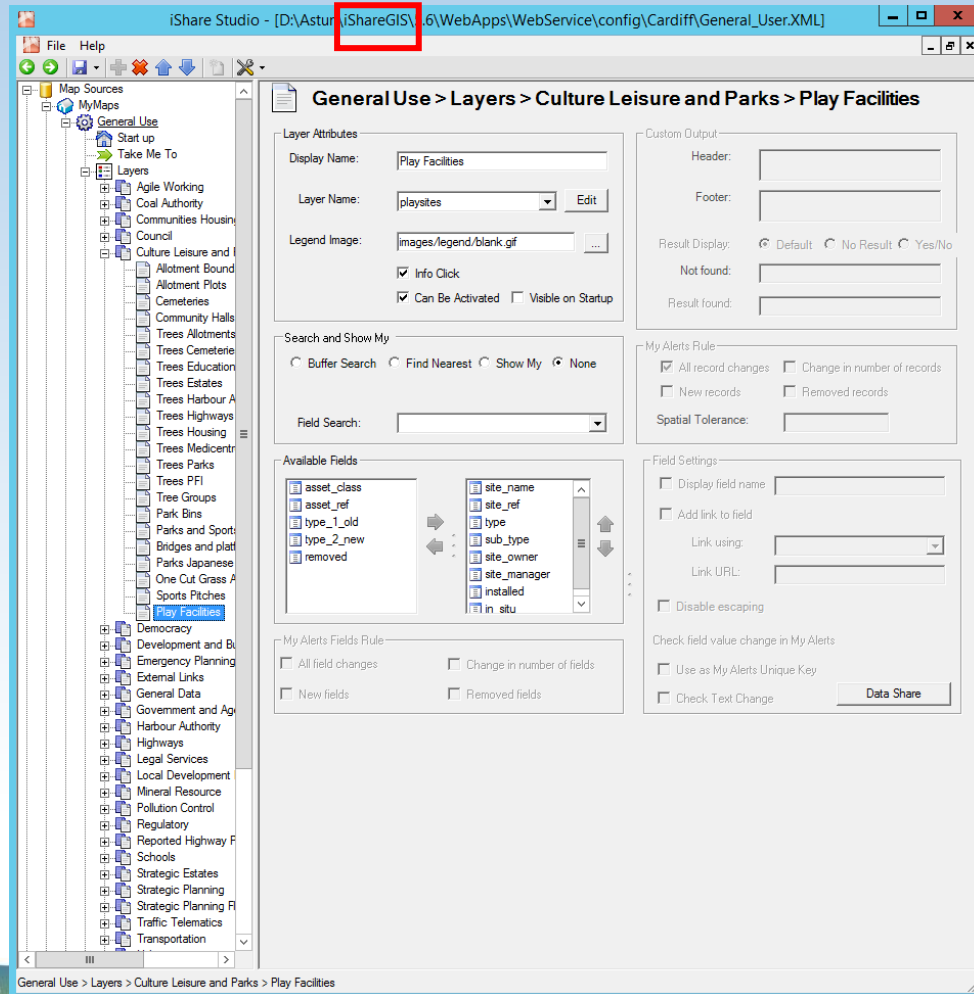
Aplikacje

iShareGIS, iShareMaps, MapInfo and QGIS software



iShareGIS and iShareMaps

Aktualizowanie i edytowanie warstw mapowych przeglądarki



Przeglądarki metadanych

GIS Layer Metadata Browser	
Search Text or Keyword	Subject ALL SUBJECTS
5 Temporal reference	
Frequency of Update	As required
6 Conformity	
Data Format	Mapinfo TAB
Data Source	Parks Strategy Design & Land Management
7 Constraints to access and use	
Limitations on public access	The data is subject to PSMA licence terms.
Use Constraints	Permission must be sought from the Responsible Contact before distribution
Spatial Resolution	1250
8 Responsible organisation (Data)	
Responsible Contact	Angel Tran
Service Area	Parks Sport & Harbour
9 Metadata	
Metadata Point of Contact	Corporate GIS Team
Metadata Language	English
10 iShare GIS Admin	
Layer Catalogue group	Culture Leisure and Parks
Layer type	Classic
Mapfile layer name	parksandsports
Required map file(s)	parksandsportsfill
Postgres table	publicopenspace
Data format	Postgres
Workflow Job, Task	SportsLeisure Scheduled
Scheduled data update	Scheduled
Scheduled times	

Cardiff Metadata Portal

Search Map Contribute Admin console

Contact for the resource

Parks Sport & Harbour

Distributor:

Angel Tran

Status

On going

Technical information

Update frequency

As required

Representation type

Vector

Scale

1250

Coordinate reference system

OSGB 1936 / British National Grid (EPSG:27700) (EPSG:27700)

Format

MapInfo TAB

Lineage

Loaded using SportsLeisure Scheduled Task.
Original format was NULL

Metadata information

Download metadata

Contact

Cardiff Council

County Hall, Atlantic Wharf

Point of contact:

Jeremy Jones (Corporate GIS Team)

Workflow automatically enabled for record in group cardiff.
Record status is set to 1.

admin admin

Workflow status is now Draft.
a month ago

Workflow automatically enabled for record in group cardiff.
Record status is set to 1.

admin admin



Współpraca z innymi działami urzędu celem aktualizacji odpowiednich warstw mapowych.

Częste konsultacje, prośby o wyjaśnienia i szkolenie pracowników

i-share - mapping update request

BS Bufton, Sharon
 To Figurski, Tomasz
 Cc Jones, Jeremy R
 Retention Policy CC - Email retention (1 year)
 You replied to this message on 01/07/2021 10:20.

Hi both,

Please can you assist with mapping a bin store for

Thanks,
 Sharon

← → ↺ ⌂ ⚠ Not secure | vishare2.cardiff.gov.uk/Sha

iShare GIS

Select & Measure View Metadata

Map Categories

- Annotations
- Untitled7656
- Communities Housing 7/10
- Alley gates and Garage sites
- Alley gates
- Garage sites
- Setting Order
- focusing Footpaths or Gullies
- ACTIVE
- focusing Footpaths or Gullies
- Cloned
- Line References
- Bin Stores
- Bin Stores
- Council Flats
- Council Houses

Sharon Bufton
 Swyddog Cefnogi Prosiect | Project Support Officer
 Adfywio Cymdogethau / Neighbourhood Regeneration

i-share lane refs & alley gates overlays

KD Keogh, Daryne
 To Figurski, Tomasz
 Cc Jones, Jeremy R
 Retention Policy CC - Email retention (1 year)
 You replied to this message on 01/07/2021 10:20.

GATEREF	Gate Location	key	barrel	no	cor
642	Rear of 35 Cowbridge Road West	si1-76	prev si1-80 lane split with diffe		
643	Rear of 1 Cowbridge Road West	si1-76	prev si1-80 lane split with diffe		
644	Rear of 2 Riverside Terrace	si1-79	prev si1-80 lane split with diffe		
645	Rear of 8 Dyfrig Road	si1-79	prev si1-80 lane split with diffe		

← → ↺ ⌂ ⚠ Not secure | vishare2.cardiff.gov.uk/Sha

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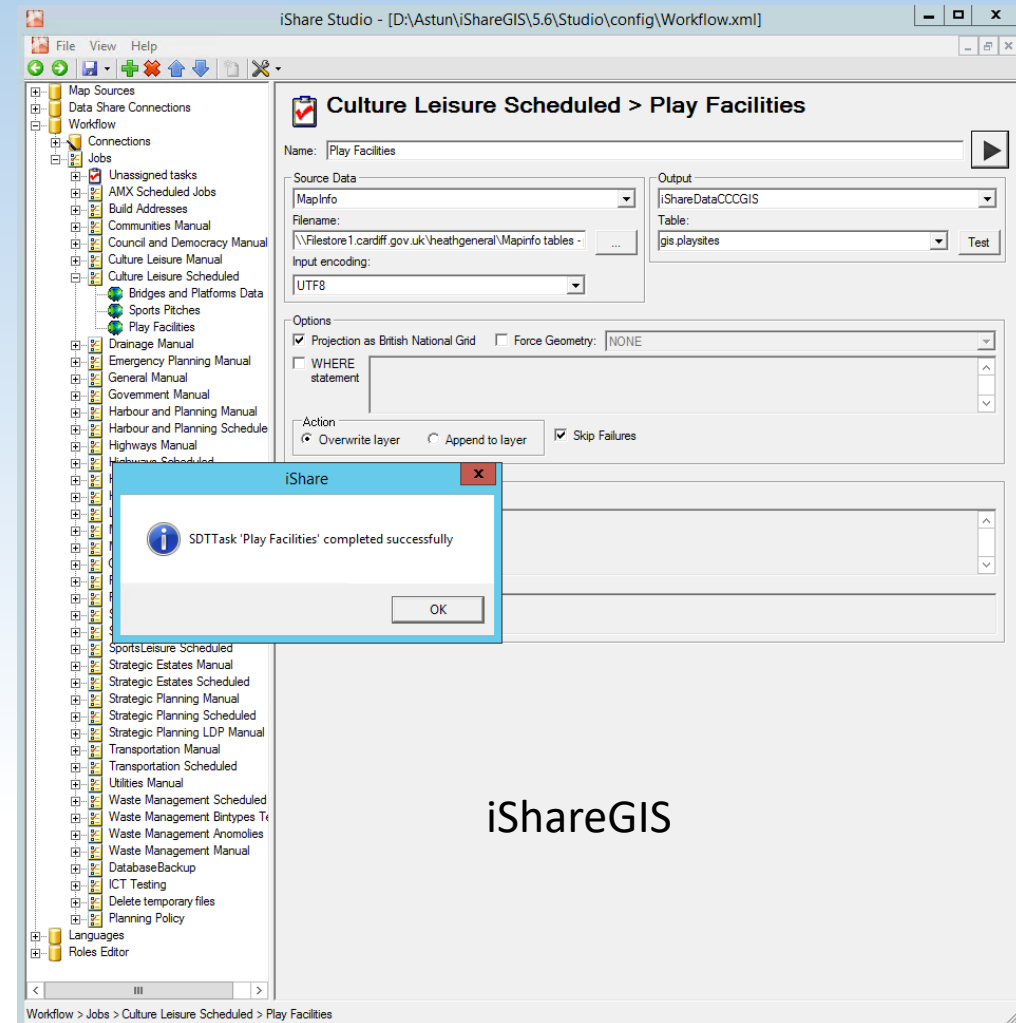
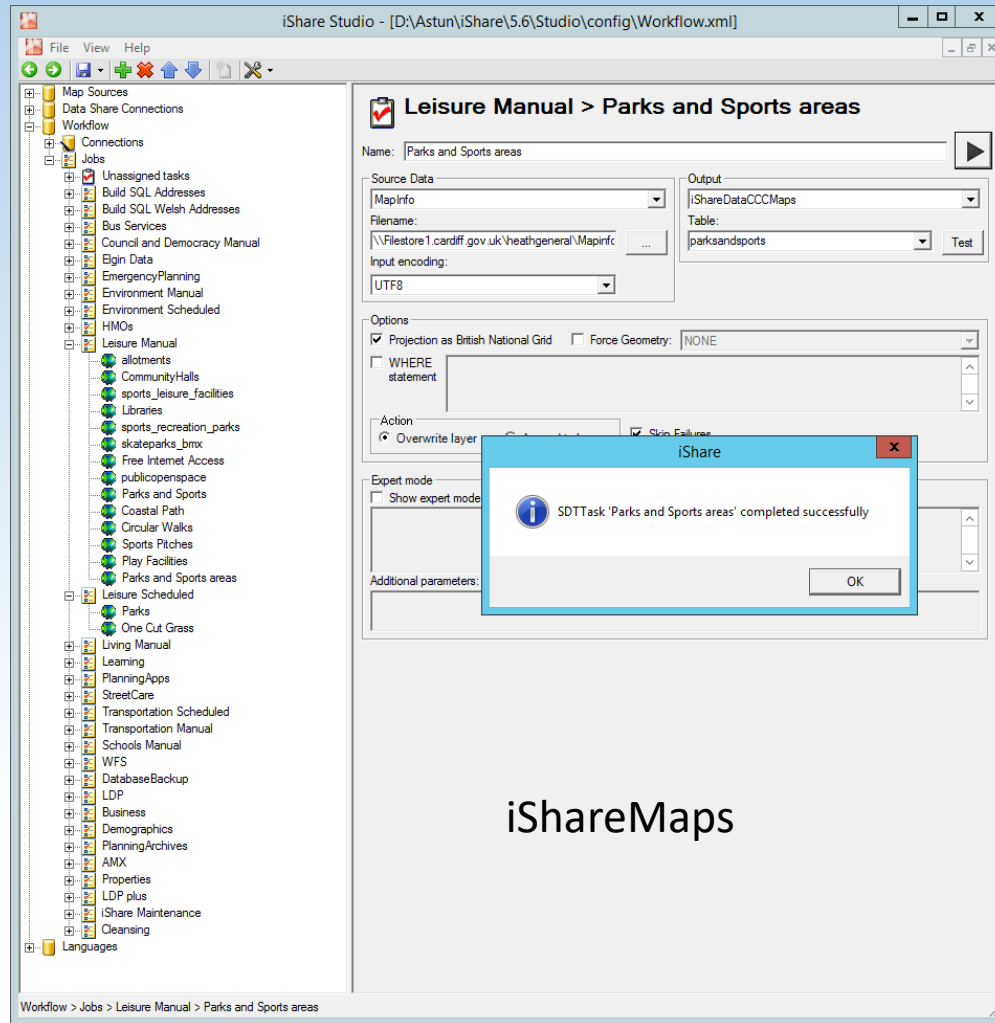
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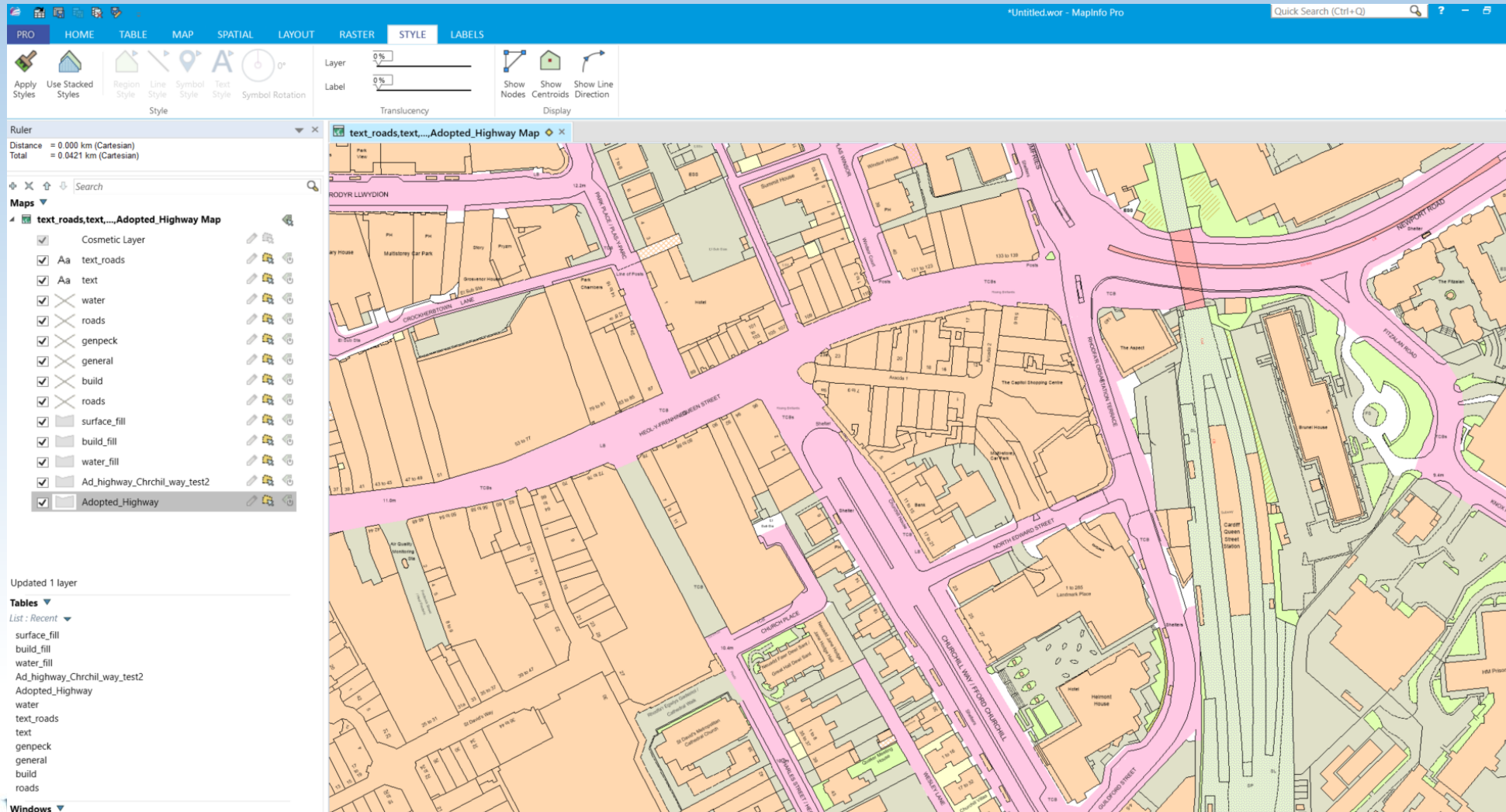
← → ↺ ⌂ ⚠ Not secure | vishare2.cardiff.gov.uk/Sha



Aktualizacja warstw w systemach iShareGIS and iShareMaps odbywa się za pomocą konfiguracji i uruchomienia odpowiednich „zadań” (workflow tasks)



Do edycji i aktualizowania danych przestrzennych używamy MapInfo



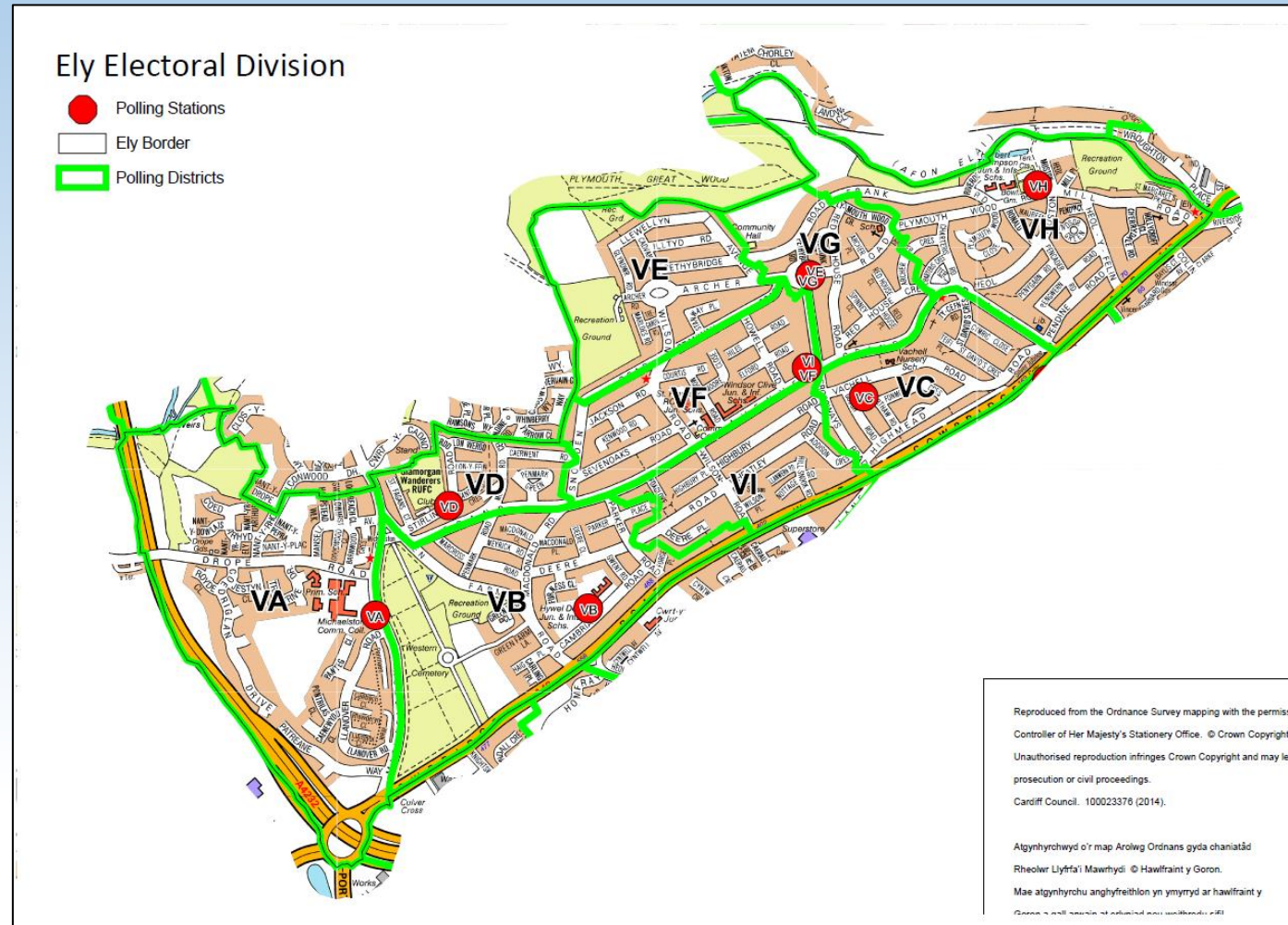
Do tworzenia warstw mapowych w systemach iShareGIS i iShareMaps używamy MapInfo i aplikacji Studio

The screenshot displays the iShare GIS web application interface. The main map area shows a detailed street map of a residential neighborhood. Overlaid on the map are numerous colored dots representing different types of play facilities. The left sidebar contains a 'Map Categories' panel with a tree view showing various facility types like 'Playground', 'MUGA', 'Skate Park', etc. The bottom of the interface features a table titled 'Play Facilities' with columns for Site name, Site ref, Type, Subtype, Site owner, Site manager, Installation date, and In situ. The table shows two entries for 'Canal Park'.

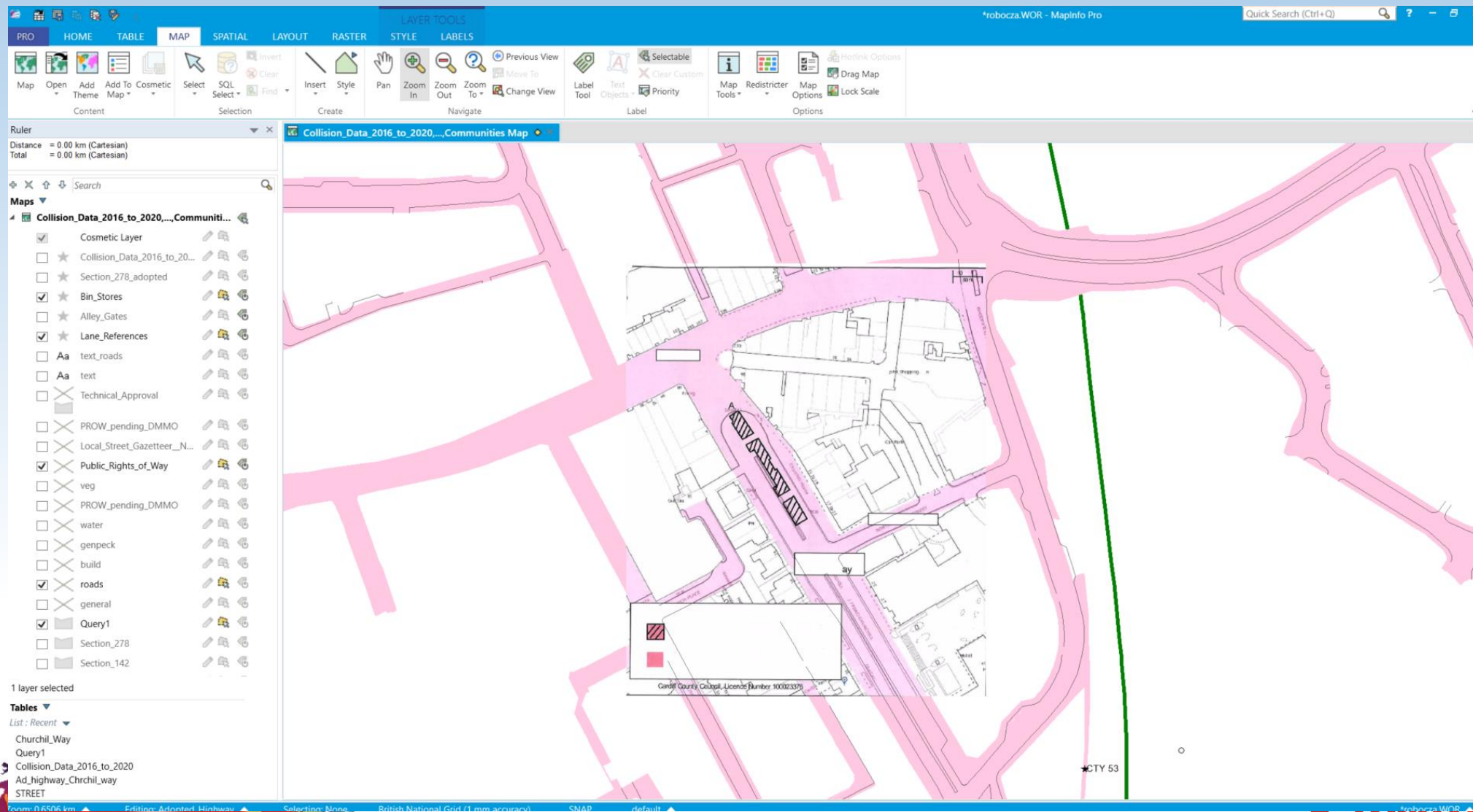
#	Site name	Site ref	Type	Subtype	Site owner	Site manager	Installation date	In situ
1	Canal Park	BUT.001.00	Skate Park	Skate Park	CC Parks	CC Parks	n/k	T
2	Canal Park	BUT.001.00	Basketball	Basketball	CC Parks	CC Parks	n/k	T



Przygotowywanie dokumentów do wydruku



Rejestrowanie zeskanowanych załączników mapowych w odwzorowaniu British National Grid (MapInfo)



Dokumentację i instrukcje przechowujemy w SharePoint

SharePoint

Search this site

Figurski, Tomasz

Customer & Digital Services 24/7 Services C2C ICT Microsoft 365 Rent Smart Wales WITS

Collaboration Libraries Collaboration Project Sites Schools ICT Support Service

iShareGIS

Following Share

Home + New Page details Analytics Published 24/03/2021 Edit

Notebook

Documents

Pages

GIS General

GIS Addressing

GIS Mapping

GIS Data

Site contents

Recycle bin

Edit

News

+ Add

Highway Agreements

Associated developer documents, engineering plans and details for highway agreements for Section 38s,...

Jones, Jeremy R 4 March

Quick links

Learn about a team site

Learn how to add a page

Documents

See all

+ New ... All Documents

Name	Modified
142 Agreements	March
228 Agreements	March
278 Agreements	March
38 Agreements	March
Stopping Up Orders	March

Activity

See all

iShare mapping portal

ASTUN TECHNOLOGY

iShareGIS iShareMaps

iSharePresentation

Figurski, Tomasz Viewed 3 days ago

Cardiff Metadata Portal

Powered by

ASTUN

Work instructions for adding a new record and editing an existing record

Metadata

Cardiff Metadata Workinstruction for Record Management

Jones, Jeremy R Edited 5 days ago

I want to update the Land holdings Layer

GIS Layer Work Instructions

I want to update the Land holdings Layer

Figurski, Tomasz Viewed 5 days ago

https://cityofcardiffcouncil.sharepoint.com/sites/ict/Collaboration/iShareGIS/SitePages/Highway-Agreements.aspx



GIS – Rejestr ulic i adresów (Gazetteer)

- Do edycji używamy aplikację iManage firmy Aligned Assets
- Aktualizujemy rejestr lokalny (LLPG), który następnie aktualizuje rejestr narodowy (NLPG)
- W cyklach 6-tygodniowych importujemy aktualizację z systemu narodowego
- Co miesiąc następuje synchronizacja rejestru adresów i ulic z narodowym repozytorium prowadzonym przez firmę GeoPlace



Aplikacja iManage zbudowana na bazie 32-bitowego MapInfo

The screenshot displays the iManage application interface, which is built on a 32-bit MapInfo database. The main window shows a map of Coryton Crescent, Cardiff, with various street names and property boundaries. A sidebar on the left lists 'Most Recent Streets' and 'Streets A to Z'. A right-hand pane shows the 'CORYTON CRESCENT [USRN: 5800507]' details, including a description, type, state, town, locality, admin area, authority, language, classification, and surface. Below this, there are fields for version, dates, start/end grid references, and tolerance. At the bottom, a table view shows a grid of data for Coryton Crescent, with columns for street names and their corresponding USRN values.

Streets

Search: []

Most Recent Streets

Recent Streets

- 1 CORYTON CRESCENT, WHITCHURCH, CA
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
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- 36
- 37
- 38
- 39
- 40

Streets A to Z

Localities

Towns

Street Type

CORYTON CRESCENT [USRN: 5800507]

Description: CORYTON CRESCENT

Type: TYPE 1 - Official Designated Street Name

State: Open

Town: CARDIFF

Locality: WHITCHURCH

Admin Area: CARDIFF

Authority: CARDIFF

Language: English

Classification: All vehicles

Surface: Metalled

☐ Exclude from Export

☐ Highways Agency

New Language Edit USRN...

Version: 4 Tolerance (m): 20

Dates: Start: 14/09/2004 End:

Start Grid Reference: Easting: 314444_00 Northing: 181196_00

End Grid Reference: Easting: 314383_00 Northing: 181404_00

Street ESU ASD Notes

© Crown Copyright. All rights reserved. 100023376. 2016. 314,324.8 m, 181,180.4 m

CORYTON CRESCENT, WHITCHURCH, CARDIFF [USRN: 5800507]

Drag a card label here to group by that column.

1 [CE_A]	4 [CE_A]	7 [CE_A]	10 [CE_A]	13 [CE_A]
2 [CE_A]	5 [CE_A]	8 [CE_A]	11 [CE_A]	14 [CE_A]
3 [CE_A]	6 [CE_A]	9 [CE_A]	12 [CE_A]	15 [CE_A]

Database Type: SQL Server Server Name: LOCALGAZSQL Database Name: BS7666_CARD User Role: Administrator

Zarządzanie ulicami w rejestrze lokalnym LLPG (iManage)

The image displays three screenshots of the iManage LLPG (Local Land Property Gazetteer) interface, showing the management of street data for Coryton Interchange (USRN: 5804547).

Left Screenshot: Street Details

- Description: CORYTON INTERCHANGE
- Type: TYPE 1 - Official Designated Street Name
- State: Open
- Town: CARDIFF
- Locality: TONGWYNLAIS
- Admin Area: CARDIFF
- Authority: CARDIFF
- Language: English
- Classification: All vehicles
- Surface: Metalled
- Exclude from Export: ☐
- Highways Agency: ☐
- Version: 9
- Tolerance (m): 10
- Dates: Start: 26/07/2005, End:
- Start Grid Reference: Easting: 314187_68, Northing: 181558_38
- End Grid Reference: Easting: 314270_00, Northing: 181658_00

Middle Screenshot: Highway Dedication

- ESU Id: 3141980181, ESU Tolerance: 5
- Direction: One way in direction from Start to End coordinate
- Dates: Start: 07/08/2003, End:
- Start Grid Reference: Easting: 314164_00, Northing: 181747_00
- End Grid Reference: Easting: 314228_00, Northing: 181721_00
- Table of ESU Ids and Directions:

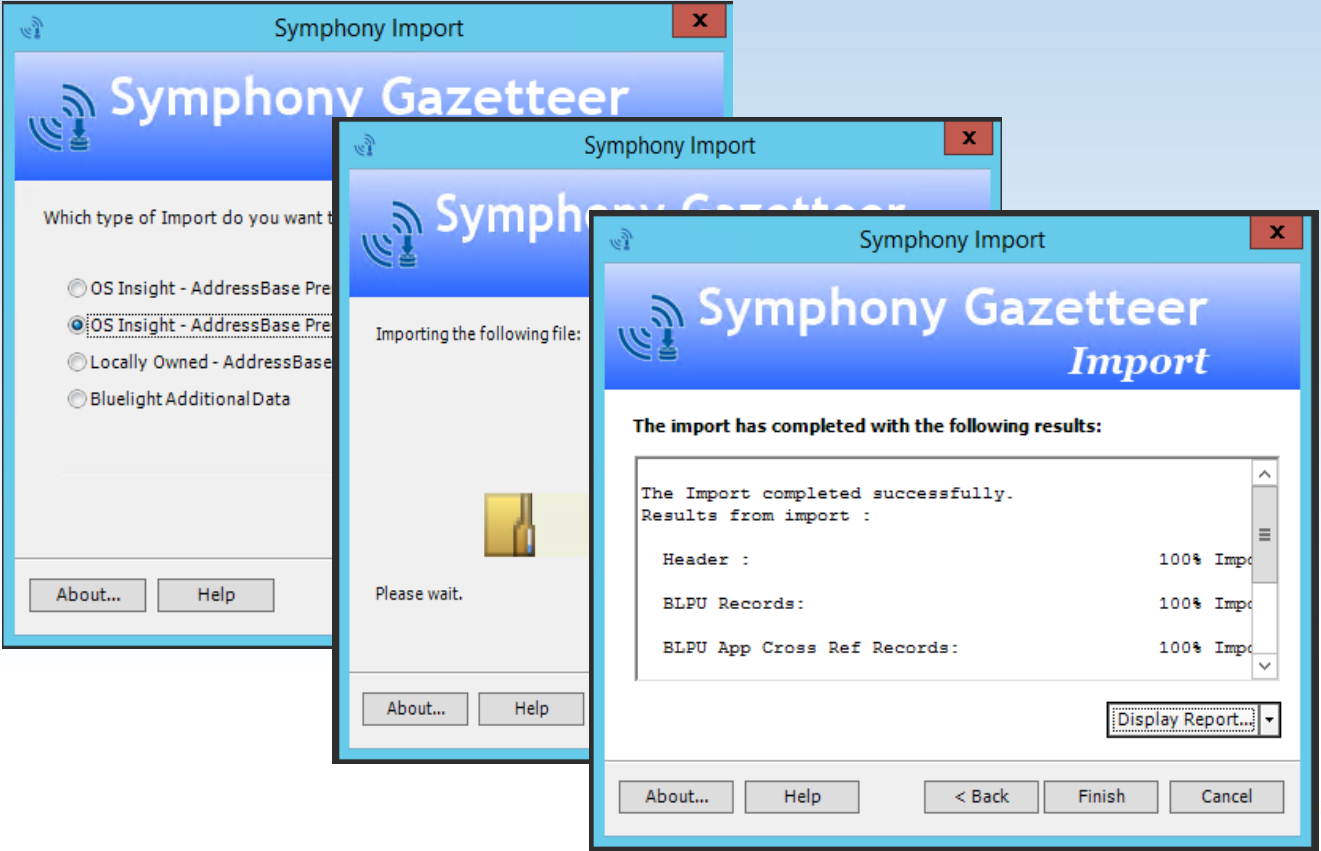
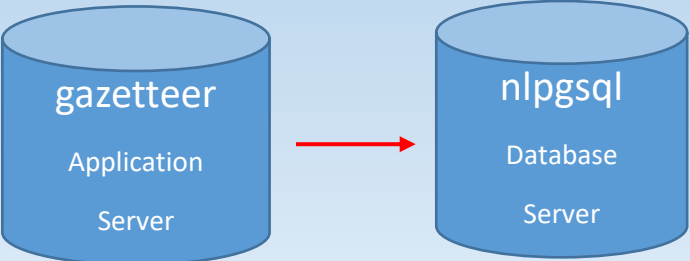
ESU Id	Direction
3141980181738	One way in direction from Start to End coordinate
3142330181716	One way in direction from Start to End coordinate
3142580181686	One way in direction from Start to End coordinate
3142730181635	One way in direction from Start to End coordinate
3142610181580	One way in direction from Start to End coordinate

- Highway Dedication: One Way Exemption
- Record: 1 of 1
- Code: All Vehicles
- Dates: Dedication Start: 26/07/2005, Inc. Time: ☐
- Dedication End: , Inc. Time: ☐
- Seasonal Start: , End: ☐
- Record End:
- Options: ☐ PRoW, ☐ NCR, ☐ Quiet Route, ☐ Qbstruction, ☐ Planning Order, ☐ Works Prohibited

Right Screenshot: Interest Details

- Interest: Construction, Special Designation, Public Right of Way
- Record: 1 of 1
- Street Status: Maintenance responsibility is to another Highway Authority
- Organisation: CARDIFF COUNTY COUNCIL
- Interest Type: All notices
- District: CITY OF CARDIFF COUNCIL
- Maint. Org.: WELSH ASSEMBLY GOVERNMENT
- Start Date: 26/07/2005, End Date:
- Whole Road: ☒ Specify Location: ☐
- Buttons: New, Delete, Check/Update All Interests

Co 6-tygodniowy import aktualizacji do rejestru narodowego NLPG



GIS Dane referencyjne

- Ordnance Survey (OS) udostępnia wszystkie produkty na stronie internetowej
- W zależności od poziomu subskrypcji liczba baz do pobrania różni się



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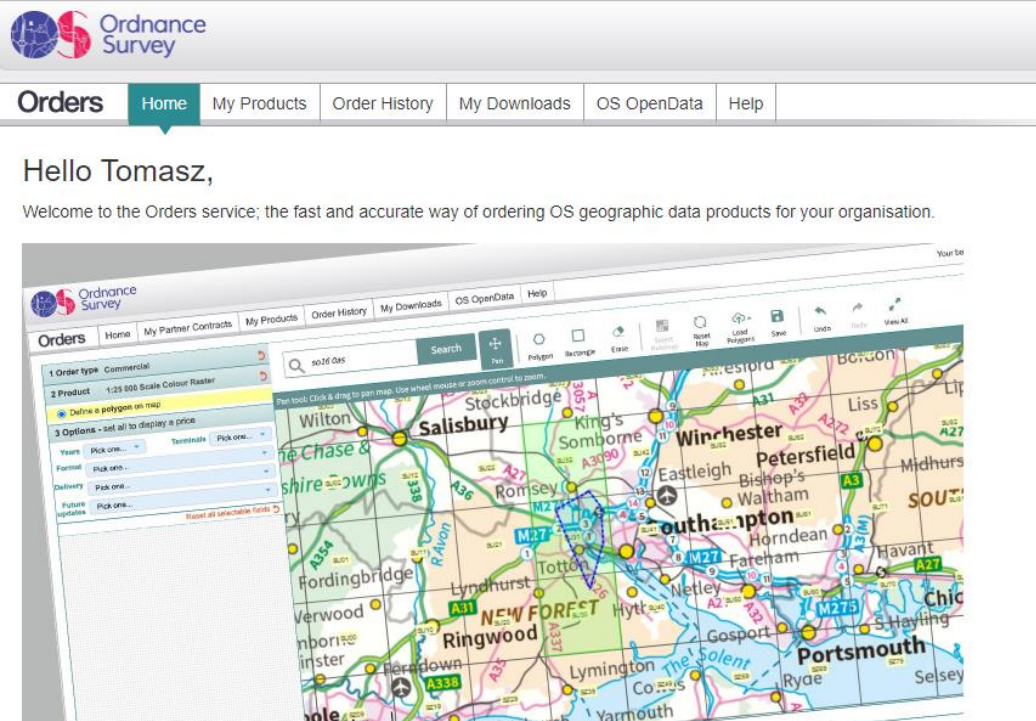
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The image shows the Ordnance Survey Orders service interface. At the top, there's a navigation bar with links: Orders, Home, My Products, Order History, My Downloads, OS OpenData, and Help. Below this, a personalized greeting says "Hello Tomasz," followed by a welcome message: "Welcome to the Orders service; the fast and accurate way of ordering OS geographic data products for your organisation." The main content area displays a map of the South East of England, centered on Salisbury, with various towns and roads visible. On the left side of the map, there's a sidebar with a list of products and options, including "1 Order type: Commercial", "2 Product: 1:25 000 Scale Colour Roaster", and "3 Options: set all to display a price". The map itself has a toolbar with various icons for navigation and map manipulation.

Contact Us

The online service will evolve over coming weeks and months. If you notice anything you feel is missing or could be improved, please let us know and we'll see what we can do to include them. [Contact us with your ideas.](#)





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Thank you! / Diolch!

Tomasz Figurski / Jeremy Jones

GIS and Local Government: Cardiff, a Capital City's, Strategy

2nd June 2022

