

MAP FOR WALES

– INTEGRATING POLICY

25 APRIL 2017



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OUTLINE



Background

Policy Assessment

Online Policy Assessment

Platform for Coordination

Regional Planning Data

City-Region Evidence Base

BACKGROUND

- A Map for England project – 2012
 - RTPI commissioned the University of Manchester to investigate and map the level of spatial expression in UK Government and agency policy documents
 - Examined government web sites, individual policy documents and large numbers of reports to find policies and programmes that have strong spatial aspect to them, including policies which potentially have a different impact in different parts of the country
 - Followed the publication of the National Infrastructure Plan in 2010 and Unlocking Growth in Cities report and National Planning Policy Framework in 2011
 - Recommended that a single online map repository of spatial policy data be created (such as house price data, greenbelt boundaries, household projections, etc.) that would allow users to overlay multiple data sources and visualize policy impacts

BACKGROUND

Figure 4.4 Combined growth funds and deprivation

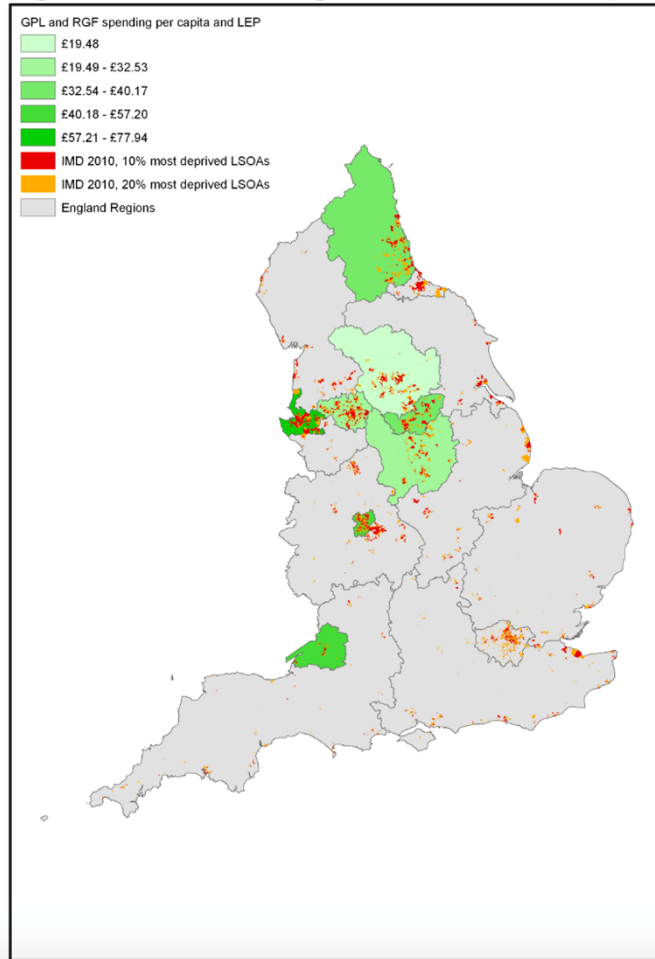
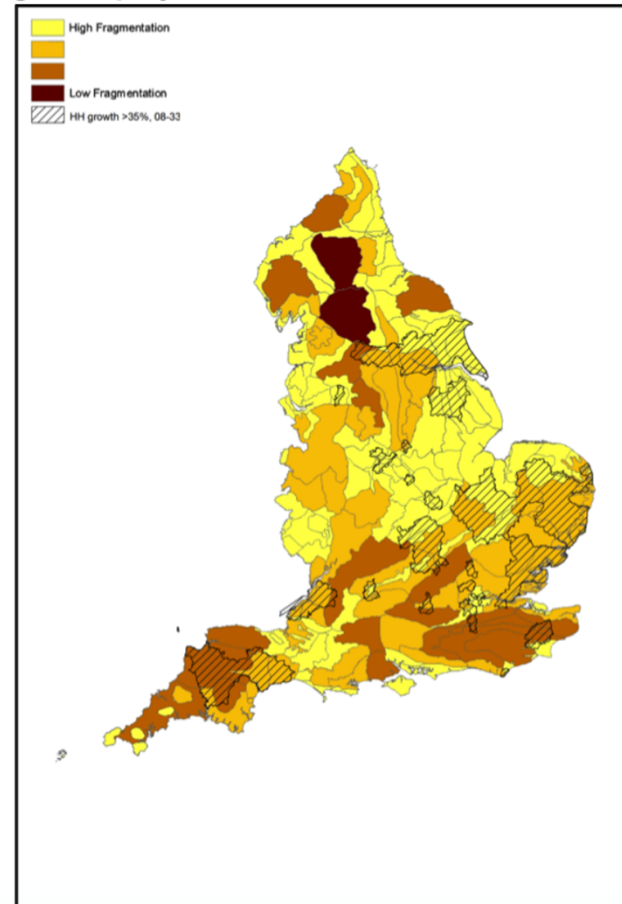


Figure 4.13 Habitat fragmentation and high household growth projection



BACKGROUND

Why do we need a Map for England?

Despite the generally recognised and accepted need to ensure a joined up approach to planning, infrastructure and services, there is no single place to view this information.

The Royal Town Planning Institute (RTPI) commissioned a study as part of their [Map for England](#) campaign which showed that there are many benefits to joining up different sources of policy information, which would help to coordinate infrastructure planning and help to boost growth, whilst being more transparent and saving time and money to many organisations and local communities.

An Interactive Map

However it is not easy to compare these different maps, so Idox in conjunction with the RTPI, produced a Pilot interactive map from October 2012 to October 2013 to help organisations visualise the impact of some of the existing policies and programmes.

The interactive map had over 15,000 visitors from individuals, Central and Local Government, Academic Institutions and a wide range of industries.

The RTPI would like to work with a range of organisations to discuss what issues or challenges the map may throw up and would be interested in your responses to the questions on the following link.

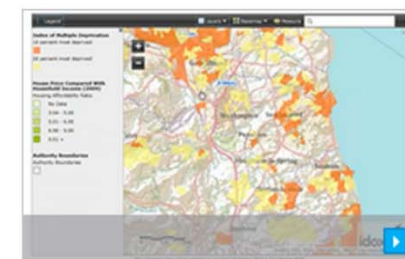
Some examples of the types of information, how they could be compared and interrogated can be seen in the following videos:



Map for England - Cambridge [1:56]



Map for England - Birmingham [1:21]



Map for England - Sunderland [1:27]

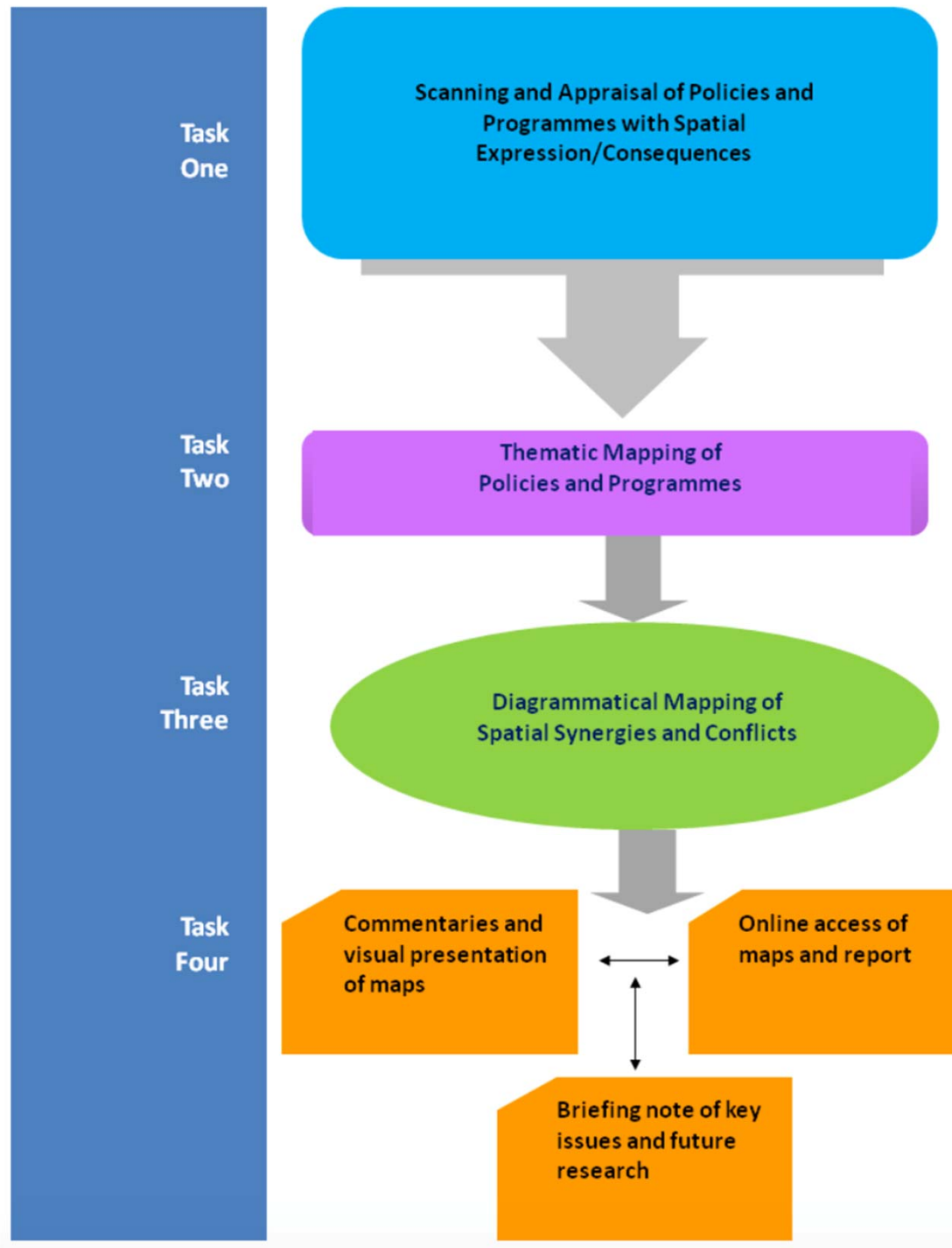
<http://www.idoxgroup.com/map-for-england.html/>

BACKGROUND

- A Map for Wales project – 2017
 - Aim is to develop a web-based, interactive data map tool for Wales to enable evidenced and better-coordinated policy that avoids geographic or spatial policy conflicts
 - Planning (Wales) Act provides a statutory requirement for the Welsh Ministers to produce and keep up-to-date a National Development Framework (NDF)
 - No decisions have been made on what the NDF will consist of – useful time to consider the spatial impact of WG policies

POLICY ASSESSMENT

- Policy coordination
 - Spatial planning is considered “the most important among policies negatively affected by deficient co-ordination” (Schäfer 2005) and has an established tradition of considering the impact of multiple policy fields (Koresawa & Konvitz 2001)
 - Within an intergovernmental environment, coordination becomes complicated due to the transaction costs that result from overlapping areas of interest between governments
- The role of the map
 - When a policy is made spatially explicit there is typically a higher degree of coordination
 - BUT, most often politicians don't like maps



POLICY ASSESSMENT

- Policies
 - 103 policies assessed, predominantly Welsh Government
 - Pro forma created to assess each policy
 - Spatial content assessed based on:
 - Maps
 - Tabulated data
 - In-text data
 - Spatial implications?
 - Cross border implications?
 - Would policy benefit from additional spatial element?

Link to policy:

<http://gov.wales/docs/desh/publications/040701tan15en.pdf>

Policy Name	Policy Area	Author	Published Date
TAN 15: Development And Flood Risk	Planning	WG	7/04

Maps	Pages	Tabulated data	Pages	Spatial data in text	Pages
y	6,	y	5,	y	8,

Spatial implications: yes

Cross border implications:

P15 "10.2 The extent of both river and coastal flooding in Wales is such that flooding is often of sub-regional significance, particularly since what happens in one part of a river catchment will often have effects on other parts some distance away. Local planning authorities, in preparing their Development Plans, should consult with neighbouring authorities on the issue of flooding. " i.e. England too

Would policy benefit from spatial element? If so in what form?

P4 "Three development advice zones are described on the maps, to which are attributed different planning actions. 4.2 The maps are based on Environment Agency's extreme flood outlines (zone C) and the British Geological Survey (BGS) drift data (zone B)."

Map on page 8 shows zone C only but would be useful to have map showing other zones too. However, maybe other zones are at too small a spatial scale to be represented on a National map?

POLICY ASSESSMENT

- Spatial content
 - ▣ Environmental policies have the greatest number of explicit spatial references
 - ▣ Health and social services and Education and skills are less spatial
- Policy coordination
 - ▣ Planning and Housing and Infrastructure and innovation policies have perhaps the greatest level of policy coordination and inter-departmental references
 - ▣ Most other departments are more policy silo'ed
- Only looks at Welsh Government, so local level policies that might be more spatially explicit are missed

ONLINE POLICY MAPPING

- Policy mapping
 - Three types of maps
 - Reproductions of existing maps/data in policies
 - Proxy maps
 - Context/value added maps
 - Need to link policy details to specific maps
 - User may enter the portal with different objectives in mind
 - Knows the policy and wants to see the maps
 - Knows the maps/data but wants to know associated policies
 - More than one map may be linked to multiple policies

ONLINE POLICY MAPPING

- Policy mapping
 - Where possible pull existing data from Welsh Government mapping services
 - Ensures consistency / always up-to-date
 - Dependent on external server
 - Create maps through existing data servers (NOMIS, StatsWales)
 - Always up-to-date
 - Dependent on external server
 - Create our own maps through GIS
 - More customisable / not dependent on external server
 - Risk of them becoming out-dated

ONLINE POLICY MAPPING

- User needs analysis
 - ▣ User friendly interface
 - Simple navigation
 - Interactive
 - Search feature
 - Print
 - ▣ Free
 - ▣ Ability to overlay multiple maps
 - ▣ Customisable
 - Generate own maps based on remote data
 - Generate own maps based on local data

ONLINE POLICY MAPPING



www.mapforwales.co.uk

- Health warnings
 - ▣ Still in development stage
 - ▣ Buggy
 - ▣ Majority of map data not uploaded yet

PLATFORM FOR COORDINATION

MAP FOR WALES

English | Cymraeg | ? | Research | Custom Data | AnonymousUser

- Policy Papers
- Business and Economy
- Culture, Sport, and Tourism
- Education and Skills
- Environment and Countryside
- Health and Social Services
- Planning and Housing
- Infrastructure and Innovation
- Welsh Language
- Welsh Government Mapping Service

Powered by the WISERD Dataportal

Map features: Snowdonia National Park, Brecon Beacons National Park, The Cotswolds, Birmingham, Worcester, Hereford, Gloucester, Newport, Swansea, St David's, Anglesey, Bangor, St Asaph, Stoke-on-Trent, Lichfield, Wolverhampton, Worcester, Hereford, Gloucester, Newport, Swansea, St David's.

Scale: 30 km / 20 mi

Leaflet | Licence & attribution | Map data © OpenStreetMap | Contains Ordnance Survey, Office of National Statistics

POLICY PAPERS

MAP FOR WALES

English | Cymraeg | ? | Research | Custom Data | AnonymousUser

Policy Papers

Search

- A living language: a language for living Welsh Language Strategy 2012-17
- A noise action plan for Wales 2013-2018**
- Railway Noise in Agglomerations (Daytime average)
- Railway Noise in Agglomerations (Evening average)
- Industrial Noise (Daily)

Business and Economy

Culture, Sport, and Tourism

Education and Skills

Environment and Countryside

Powered by the WISERD Dataportal

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Record Details

Title
A noise action plan for Wales 2013-2018

Subject
Environment and Countryside

Description
Maps: Pages 32,33,34,35,36,37,39,48,51,52,82,89,90,97,99,108
Tabulated Data: Page 36
Spatial Data in Text: Pages 1,24,25,26,35,38,72,73,82,99

Publisher
Welsh Government

Date
2013-01-12

Source
<http://gov.wales/docs/desh/publications/131217noise-action->

POLICY PAPERS

MAP FOR WALES English | Cymraeg | ? | R

Policy Papers <

Search

- A living language: a language for living Welsh Language Strategy 2012-17 <
- A noise action plan for Wales 2013-2018 <
- Railway Noise in Agglomerations (Daytime average)
- Railway Noise in Agglomerations (Evening average)
- Industrial Noise (Daily)

Business and Economy <

Powered by the WI

Anglesey Bangor St Asaph

Snowdonia National Park

Hereford

Brecon Beacons National

St David's

POLICY PAPERS

The screenshot displays the WISERD Dataportal interface. At the top, there is a navigation bar with language options 'English' and 'Cymraeg', a help icon, and user options 'Research', 'Custom Data', and 'AnonymousUser'. Below the navigation bar is a map of Wales. A semi-transparent box over the map reads 'Powered by the WISERD Dataportal'. The map shows various geographical features and cities, including Snowdonia National Park, Brecon Beacons National Park, and major cities like Cardiff, Swansea, and Birmingham. On the right side, a 'Record Details' panel is visible, containing the following information:

Record Details

Title
A noise action plan for Wales 2013–2018

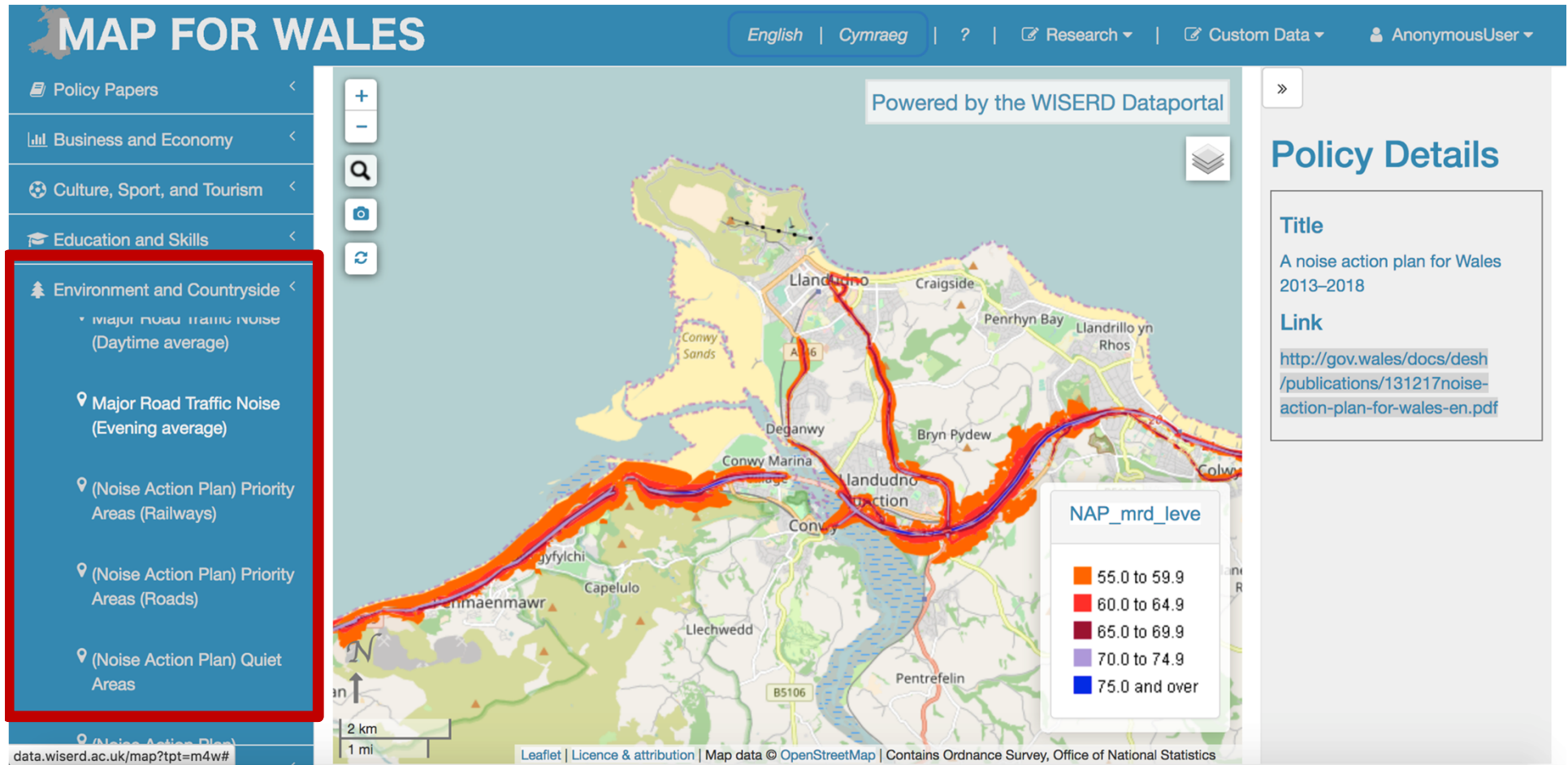
Subject
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Maps: Pages 32,33,34,35,36,37,39,48,51,52,82,89,90,97,99,108
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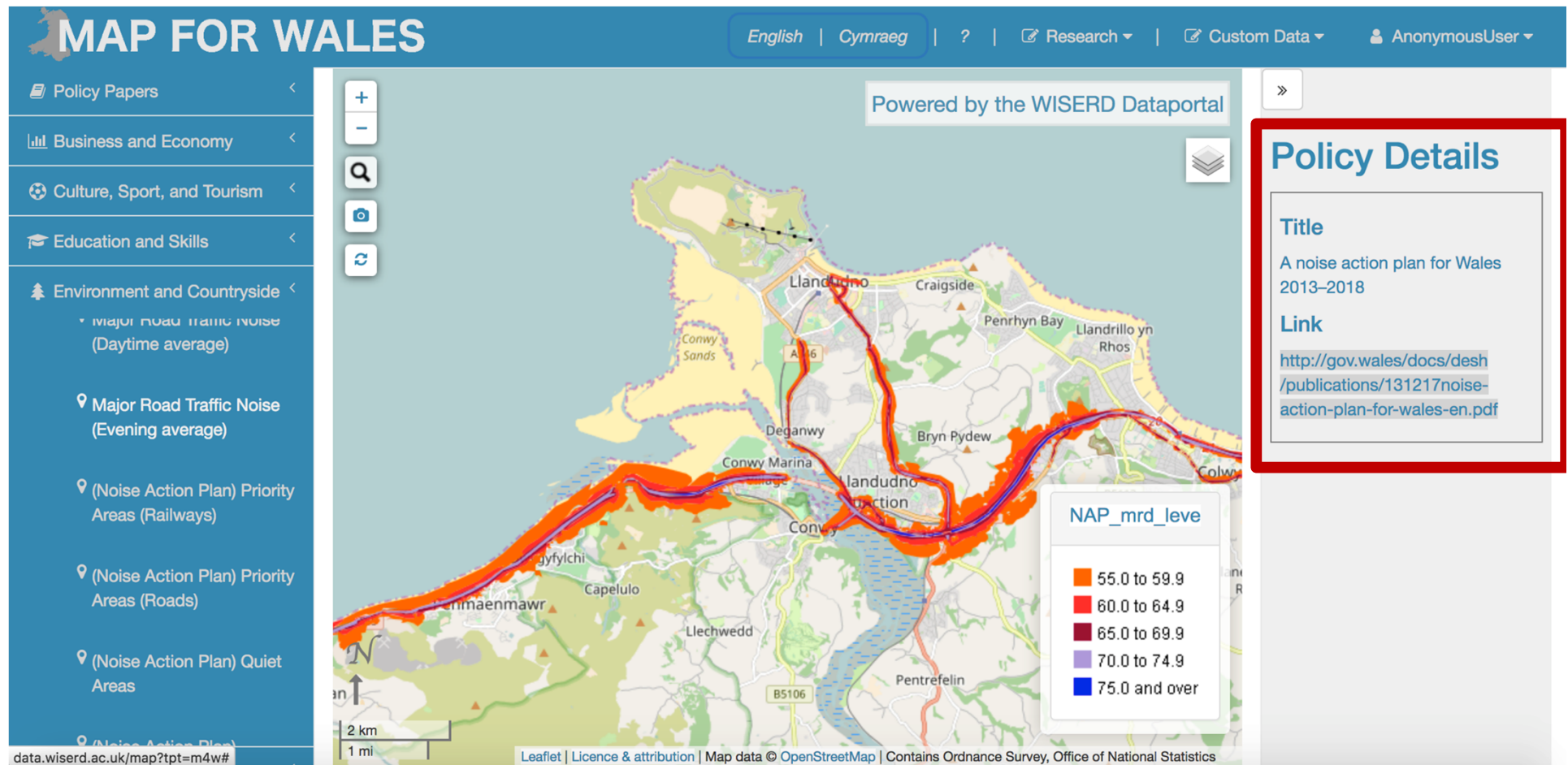
Publisher
Welsh Government

Date
2013-01-10

THEMATIC AREA



PLATFORM FOR COORDINATION



EXTERNAL MAPS

MAP FOR WALES English | Cymraeg | ? | Research | Custom Data | AnonymousUser

Policy Papers < Business and Economy < Culture, Sport, and Tourism < Education and Skills < Environment and Countryside < Health and Social Services < Planning and Housing < Infrastructure and Innovation < Welsh Language <

Welsh Government Mapping Service

flood

- NRW FLOODMAP FLOOD ZONE 3
- NRW Flood Warning Areas

Powered by the WISERD Dataportal

NAP_mrd_level

Leaflet | Licence & attribution | Map data © OpenStreetMap | Contains Ordnance Survey, Office of National Statistics

Policy Details

Title
A noise action plan for Wales 2013–2018

Link
<http://gov.wales/docs/desh/publications/131217noise-action-plan-for-wales-en.pdf>

EXTERNAL MAPS

MAP FOR WALES

English | Cymraeg | ? | Research | Custom Data | brian

Powered by the WISERD Dataportal

Policy Papers <
Business and Economy <
Culture, Sport, and Tourism <
Education and Skills <
Environment and Countryside <

- Major Road Traffic Noise (Evening average)
- (Noise Action Plan) Priority Areas (Railways)
- (Noise Action Plan) Priority Areas (Roads)
- (Noise Action Plan) Quiet Areas
- (Noise Action Plan) Industry Locations

NAP_mrd_level

- 55.0 to 59.9
- 60.0 to 64.9
- 65.0 to 69.9
- 70.0 to 74.9
- 75.0 and over

Title
A noise action plan for Wales 2013–2018

Link
<http://gov.wales/docs/desh/publications/131217noise-action-plan-for-wales-en.pdf>

2 km
1 mi

Leaflet | Licence & attribution | Map data © OpenStreetMap | Contains Ordnance Survey, Office of National Statistics

data.wiserd.ac.uk/map?tpt=m4w#

EXTERNAL MAPS

MAP FOR WALES English | Cymraeg | ? | Research | Custom Data | brian

Powered by the WISERD Dataportal

Search Remote

Search Remote

wimd

Searching NomisWeb/ StatsWales...

+	Isoa mapped data	CKAN_datahub	Metadata	View
+	WIMD 2014 Domain Ranks	StatsWales	Metadata	View
+	WIMD 2014 Indicator Data - CF	StatsWales	Metadata	View

Cancel

Policy Details

Title
A noise action plan for Wales 2013–2018

Link
<http://gov.wales/docs/desh/publications/131217noise-action-plan-for-wales-en.pdf>

2 km
1 mi
Leaflet | Licence & attribution | Map data © OpenStreetMap | Contains Ordnance Survey, Office of National Statistics

EXTERNAL MAPS

The screenshot displays the 'MAP FOR WALES' web application interface. The main map shows noise levels across Wales, with a legend titled 'NAP_mrd_level' indicating five noise level ranges: 55.0 to 59.9 (orange), 60.0 to 64.9 (red), 65.0 to 69.9 (dark red), 70.0 to 74.9 (purple), and 75.0 and over (blue). The map includes a sidebar menu on the left with categories like 'Policy Papers', 'Business and Economy', and 'Environment and Countryside'. A top navigation bar contains language options ('English | Cymraeg'), a search icon, and a 'Custom Data' dropdown menu. The 'Custom Data' menu is highlighted with a red box and contains 'Remote Data' and 'MapMyData' options. A right-hand panel displays the title 'A noise action plan for Wales 2013-2018' and a link to the PDF document. The footer includes the URL 'data.wiserd.ac.uk/map?tpt=m4w#' and attribution to Leaflet, OpenStreetMap, Ordnance Survey, and the Office of National Statistics.

MAP FOR WALES

English | Cymraeg | ? | Research | Custom Data | brian

Powered by the WISERD Dataportal

Policy Papers <
Business and Economy <
Culture, Sport, and Tourism <
Education and Skills <
Environment and Countryside <

Major Road Traffic Noise (Evening average)
(Noise Action Plan) Priority Areas (Railways)
(Noise Action Plan) Priority Areas (Roads)
(Noise Action Plan) Quiet Areas
(Noise Action Plan) Industry Locations

NAP_mrd_level

- 55.0 to 59.9
- 60.0 to 64.9
- 65.0 to 69.9
- 70.0 to 74.9
- 75.0 and over

Title
A noise action plan for Wales 2013-2018

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<http://gov.wales/docs/desh/publications/131217noise-action-plan-for-wales-en.pdf>

data.wiserd.ac.uk/map?tpt=m4w#

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EXTERNAL MAPS

The screenshot displays the 'MAP FOR WALES' interface. The top navigation bar includes language options (English, Cymraeg), a help icon, and links for 'Research' and 'Custom Data'. A user profile 'brian' is visible in the top right. The left sidebar lists various policy categories, with 'Environment and Countryside' expanded to show noise-related items like 'Major Road Traffic Noise (Evening average)' and 'Noise Action Plan' priority areas. The main map area is overlaid with a 'MapMyData' dialog box, which is highlighted with a red border. This dialog box contains the following elements:

- MapMyData** header with a close button (X).
- Name this Layer**: A text input field containing 'New Layer...'.
- Select boundary type**: A dropdown menu currently set to 'Post Code'.
- Drop an XLSX / XLSM / XLSB / ODS / XLS / XML file here to see sheet data**: A large dashed rectangular area for file upload.
- Browse...** button and the text 'No file selected.' below it.
- Save** and **Cancel** buttons at the bottom right.

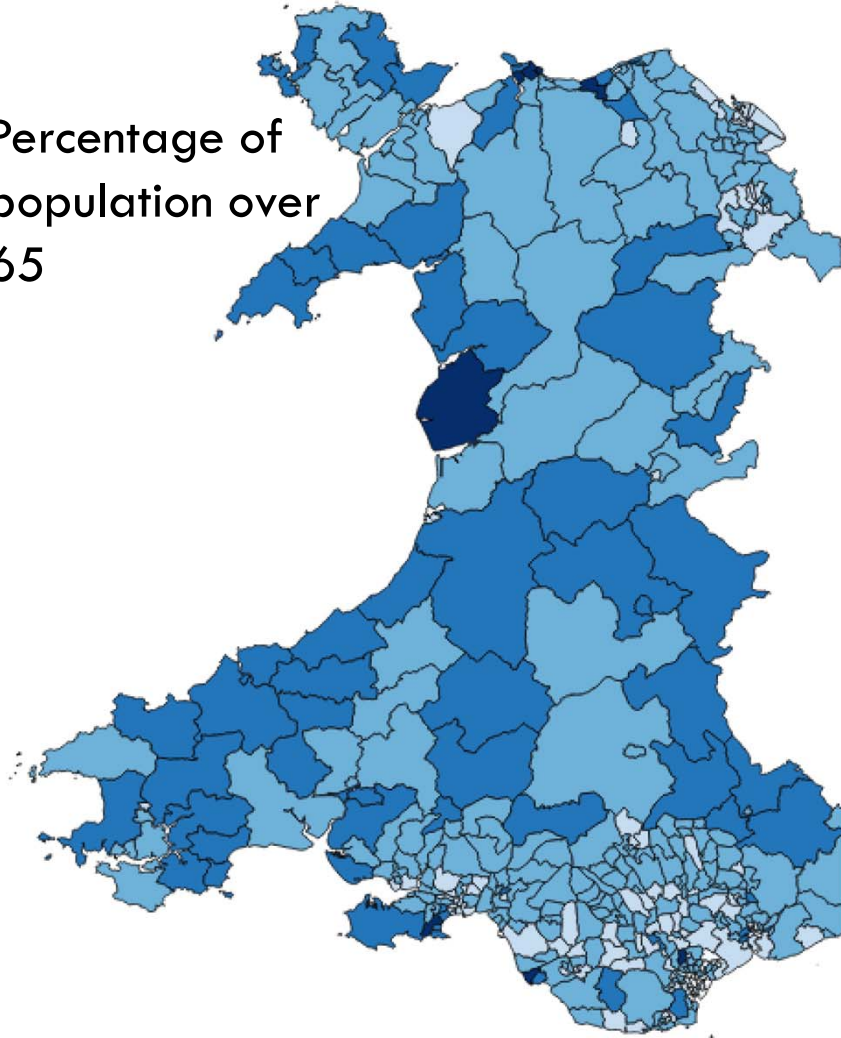
The background map shows a geographical area with a scale bar (2 km / 1 mi) and map data attribution to OpenStreetMap, Ordnance Survey, and the Office of National Statistics. On the right, a 'Policy Details' sidebar shows the title 'A noise action plan for Wales 2013–2018' and a link to the PDF document.

PLATFORM FOR COORDINATION

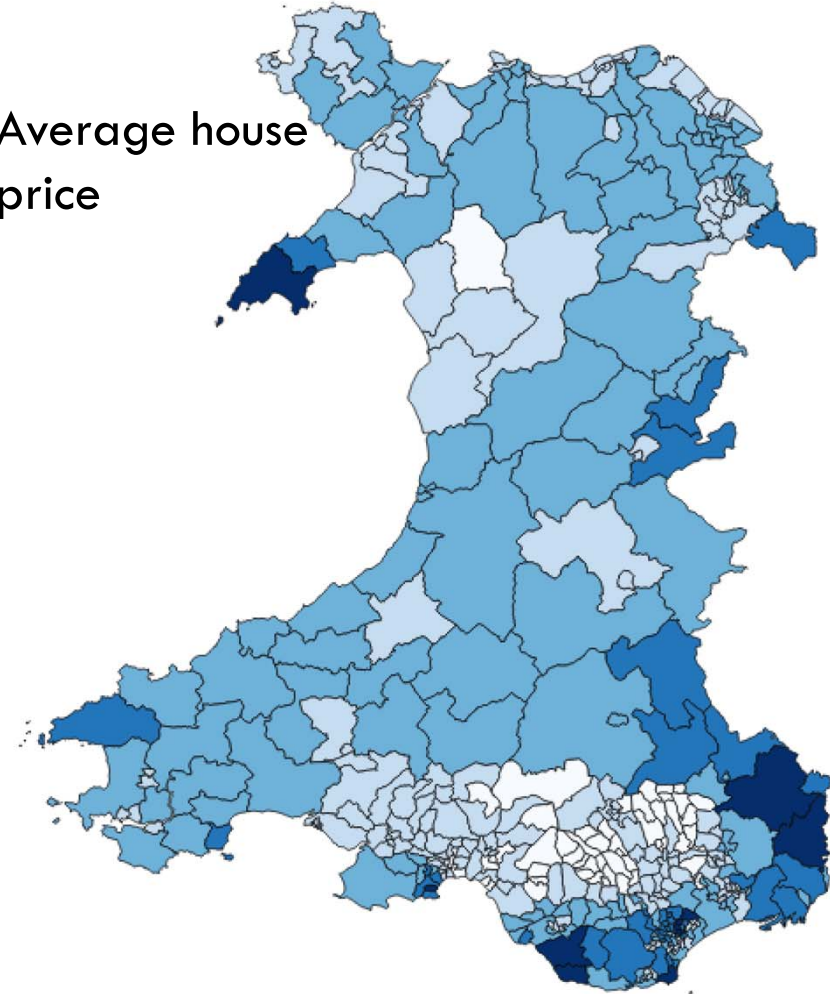
- Different audiences
 - ▣ Not necessarily targeted at planners, but rather those who engage with planning
 - ▣ A platform for looking more strategically
 - More than your patch
 - ▣ Consensus building and engagement
 - ▣ Linking new information to existing data and policies

REGIONAL PLANNING DATA

Percentage of
population over
65

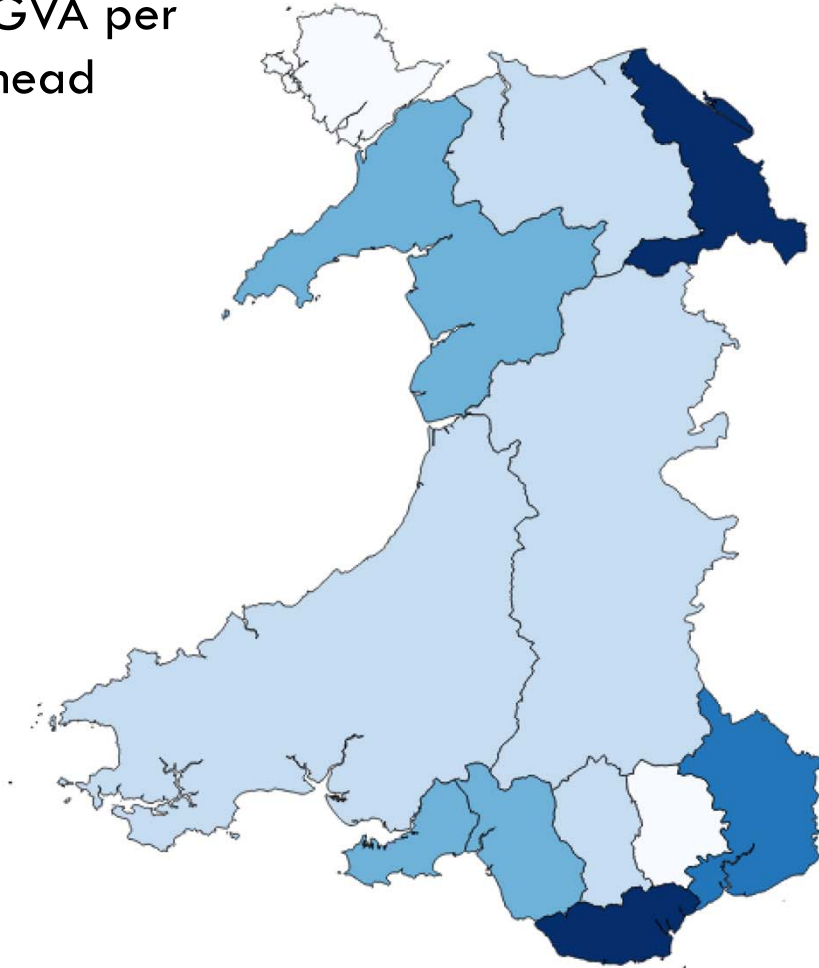


Average house
price

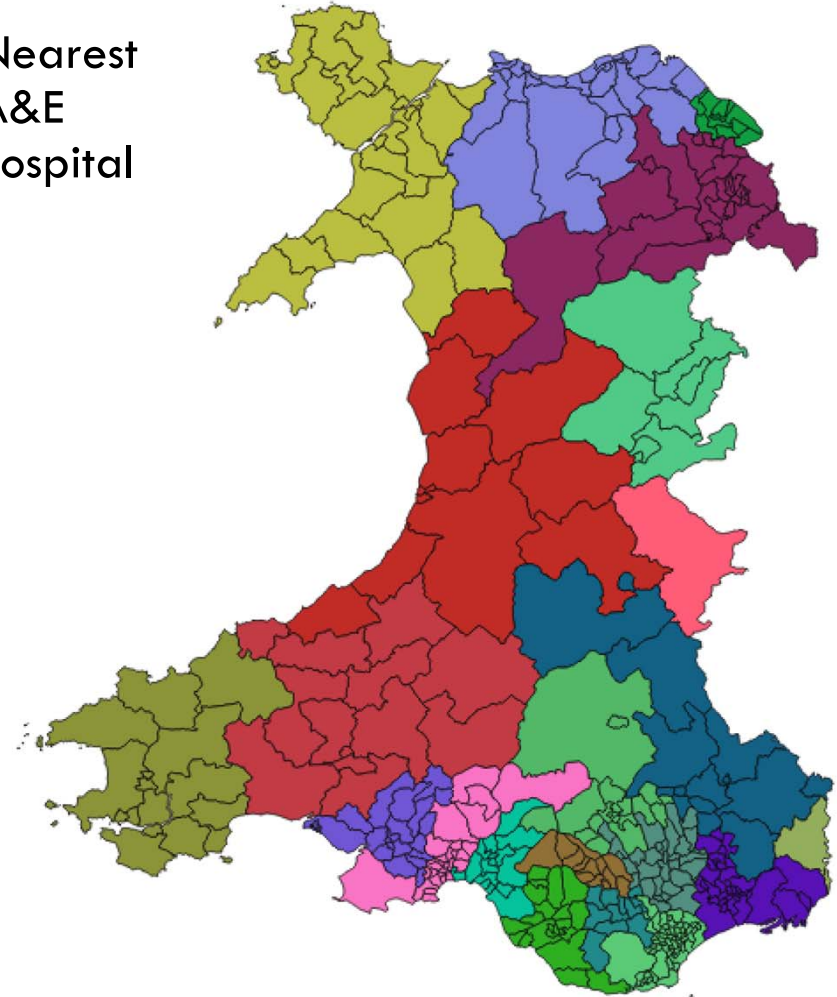


REGIONAL PLANNING DATA

GVA per head

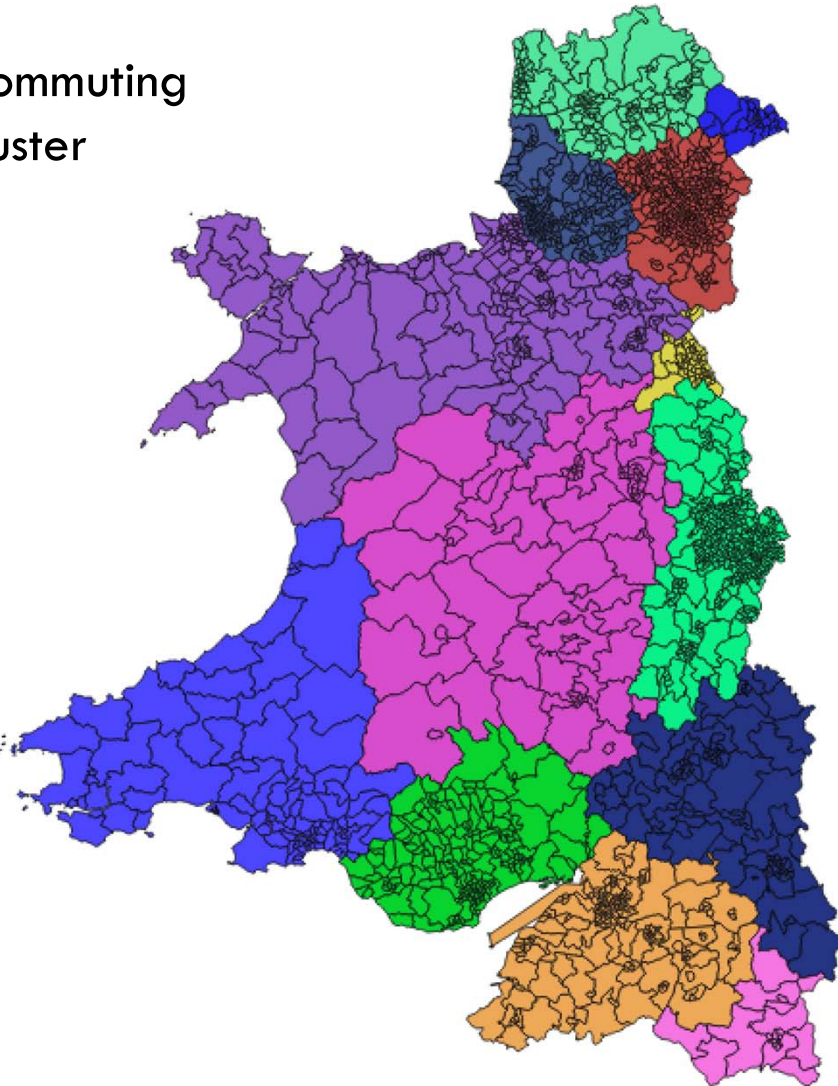


Nearest A&E hospital

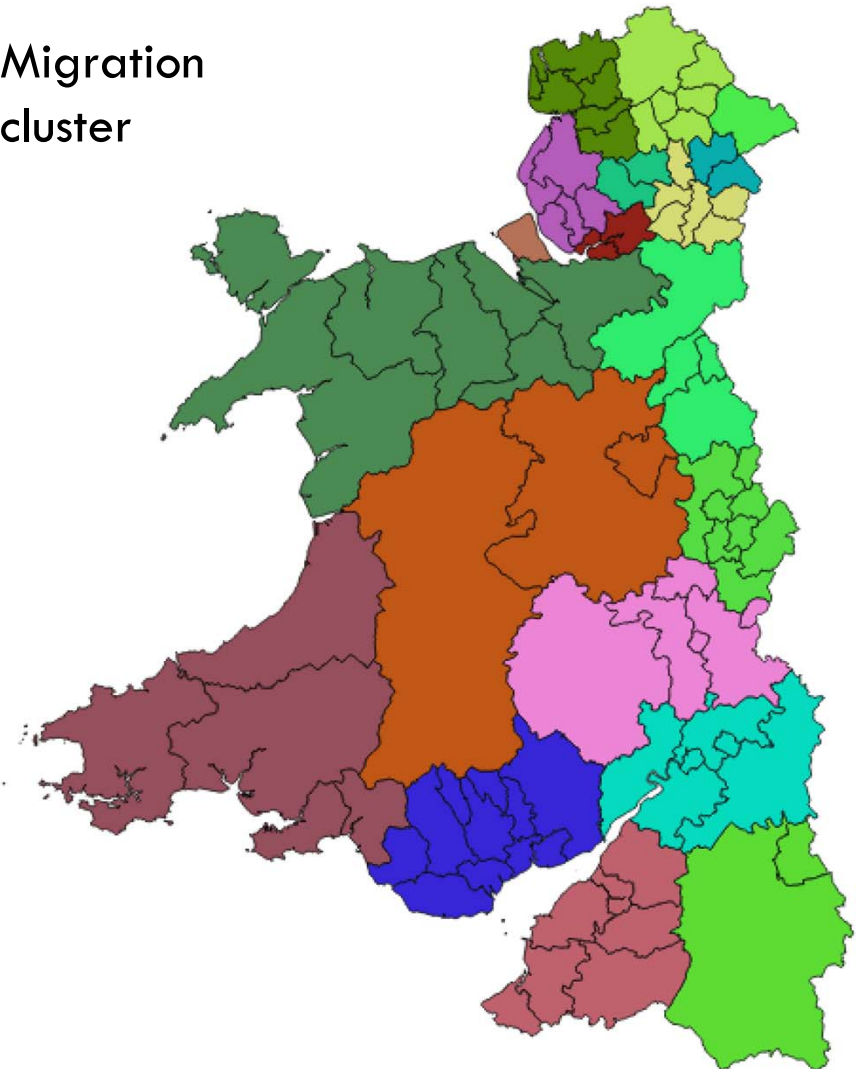


REGIONAL PLANNING DATA

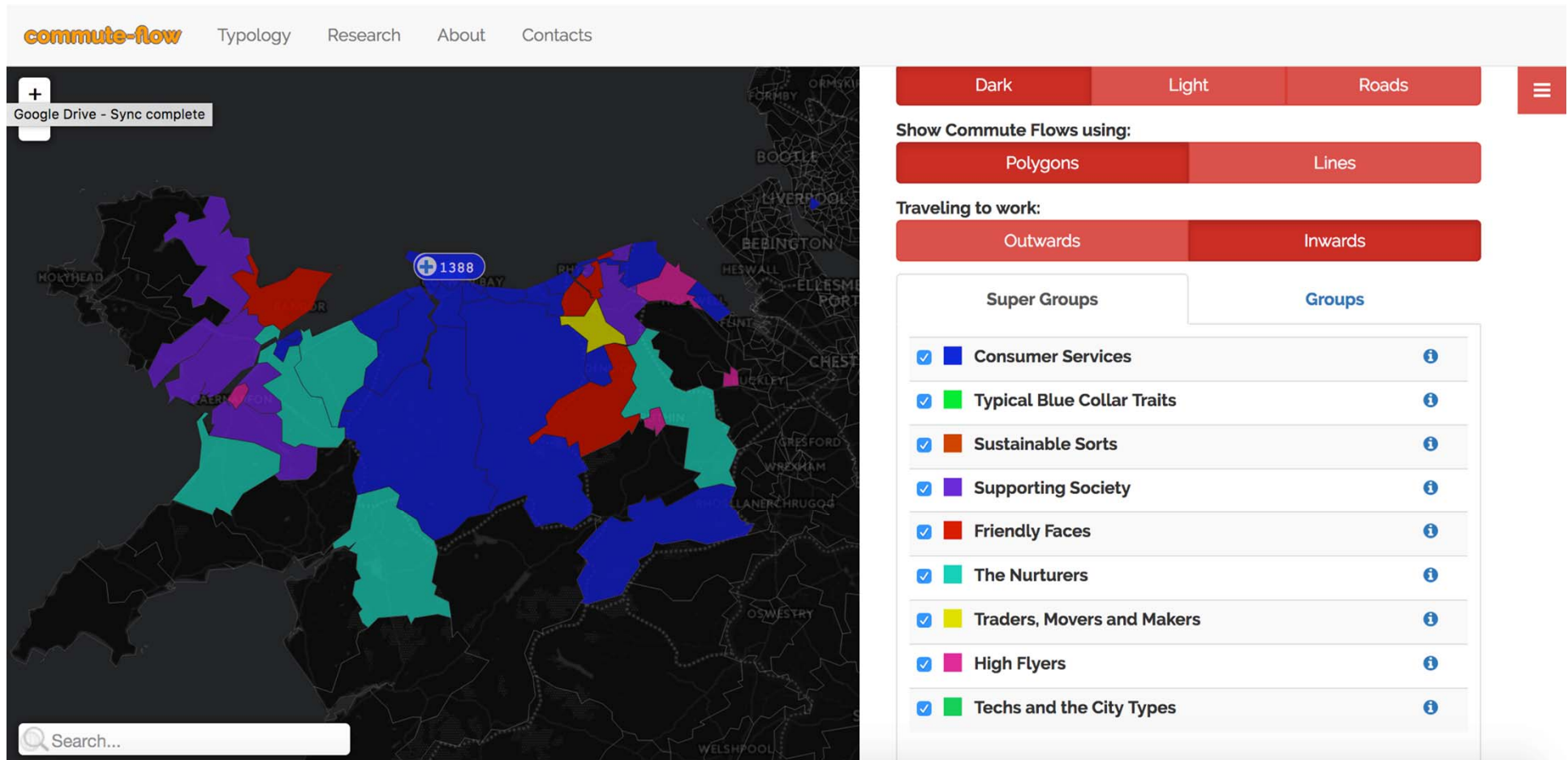
Commuting
cluster



Migration
cluster

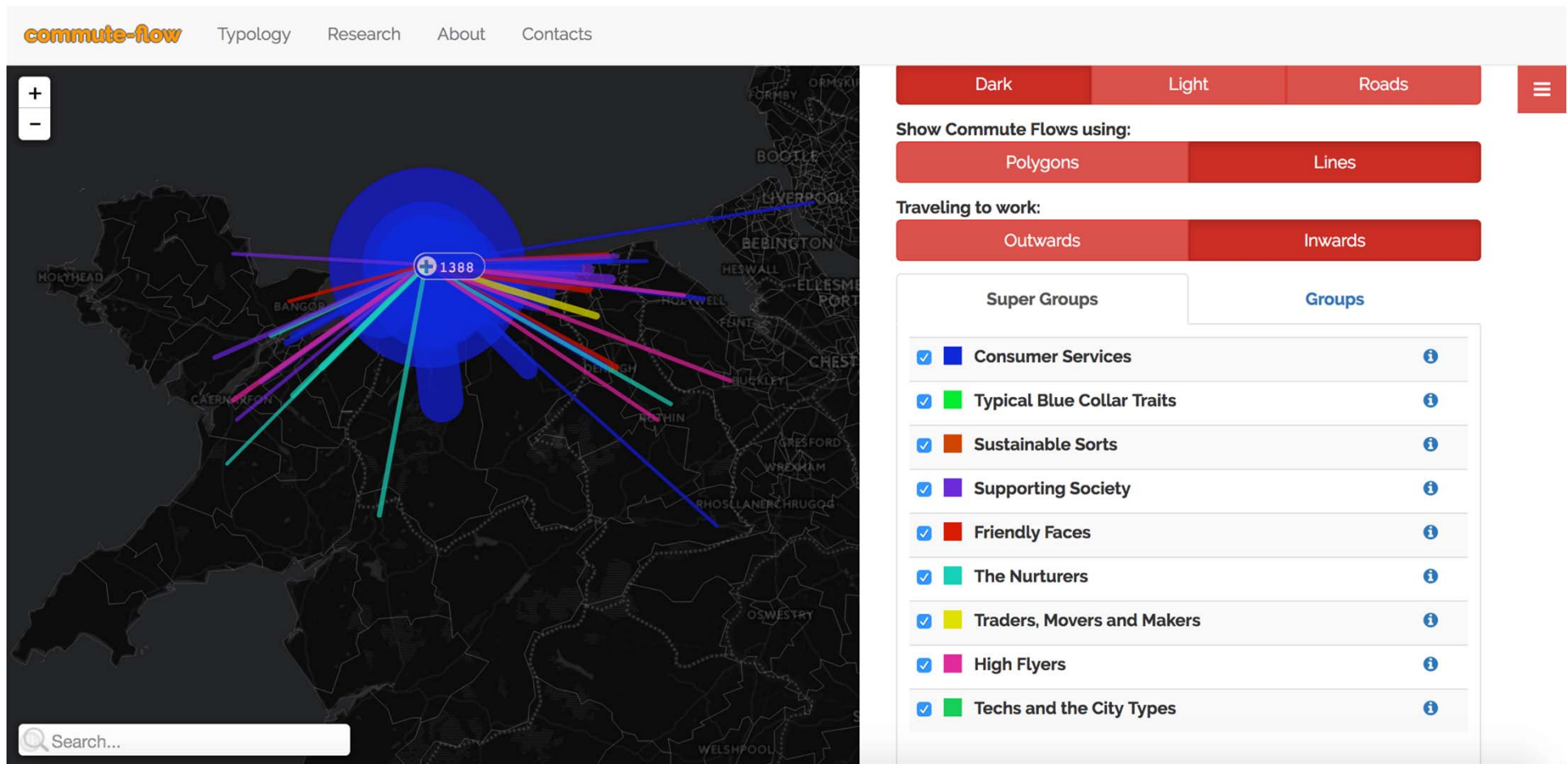


REGIONAL PLANNING DATA



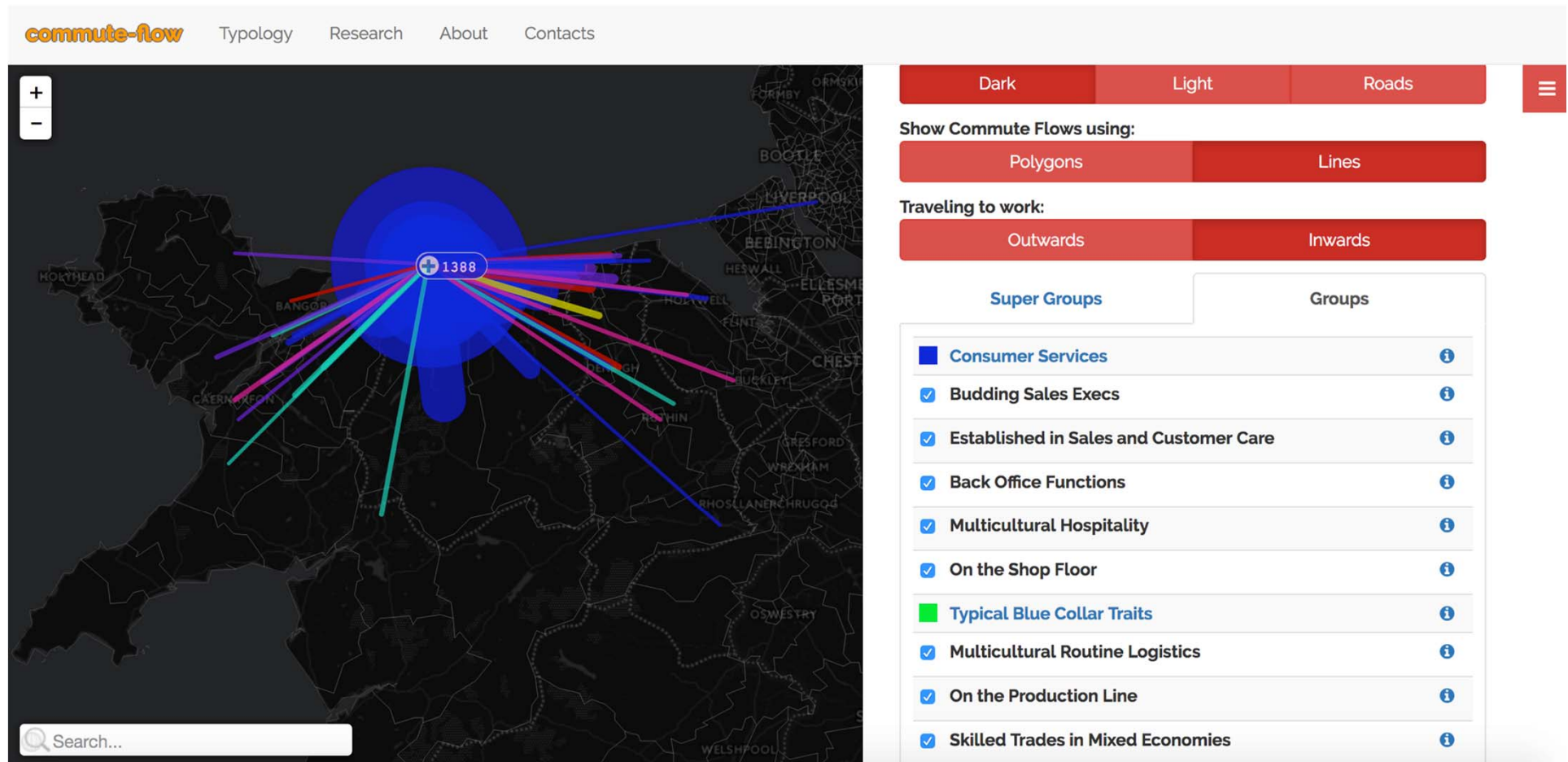
www.commute-flow.net

REGIONAL PLANNING DATA



www.commute-flow.net

REGIONAL PLANNING DATA



www.commute-flow.net

CITY-REGION EVIDENCE BASE

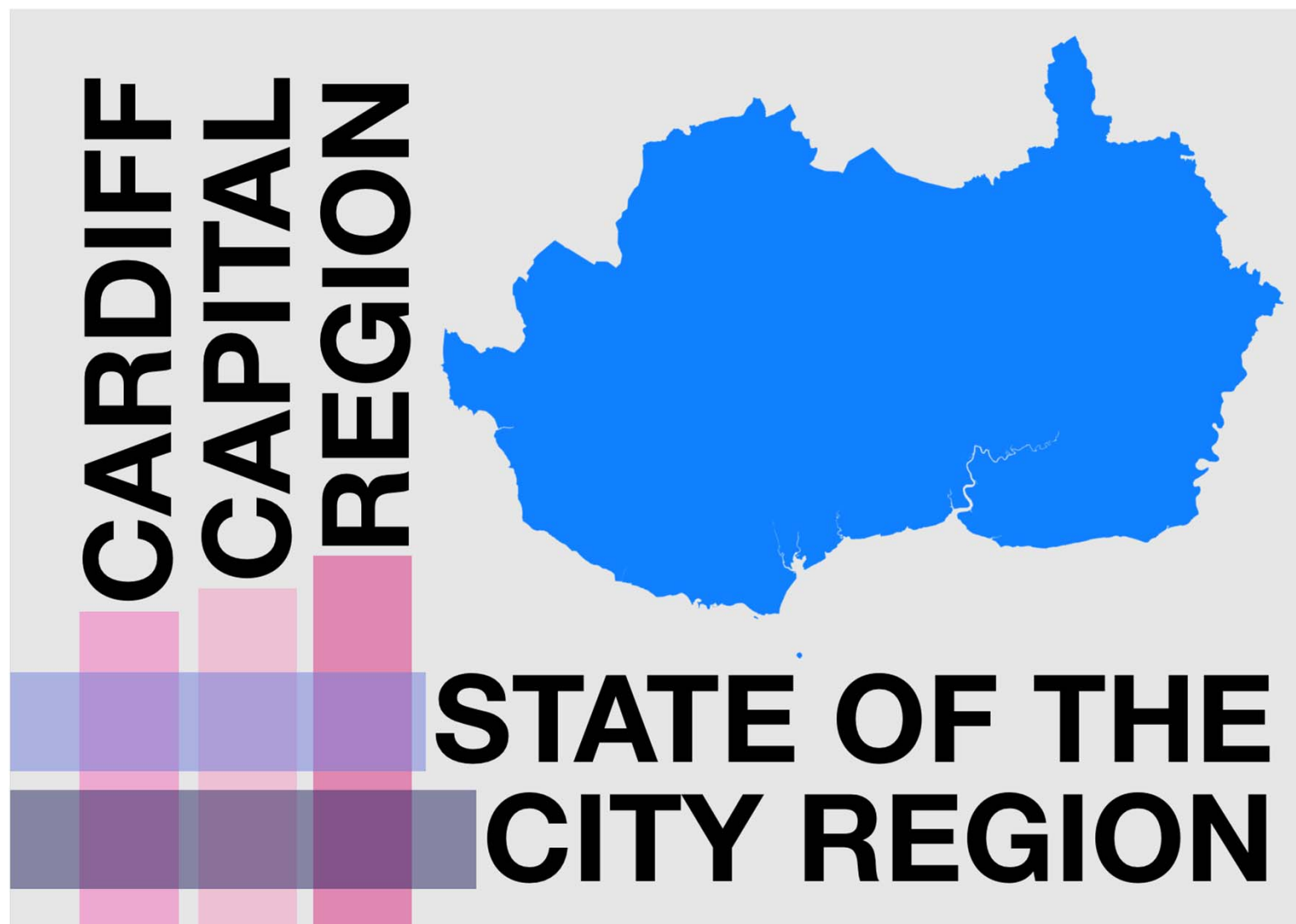


TABLE OF CONTENTS

5 / Population and Housing

11 / Economic Prosperity

17 / Skills and Innovation

21 / Wealth and Deprivation

25 / Health and Well-being

29 / Environment and Built Heritage

32 / Transportation and Infrastructure

Figure 8: City region migration profile

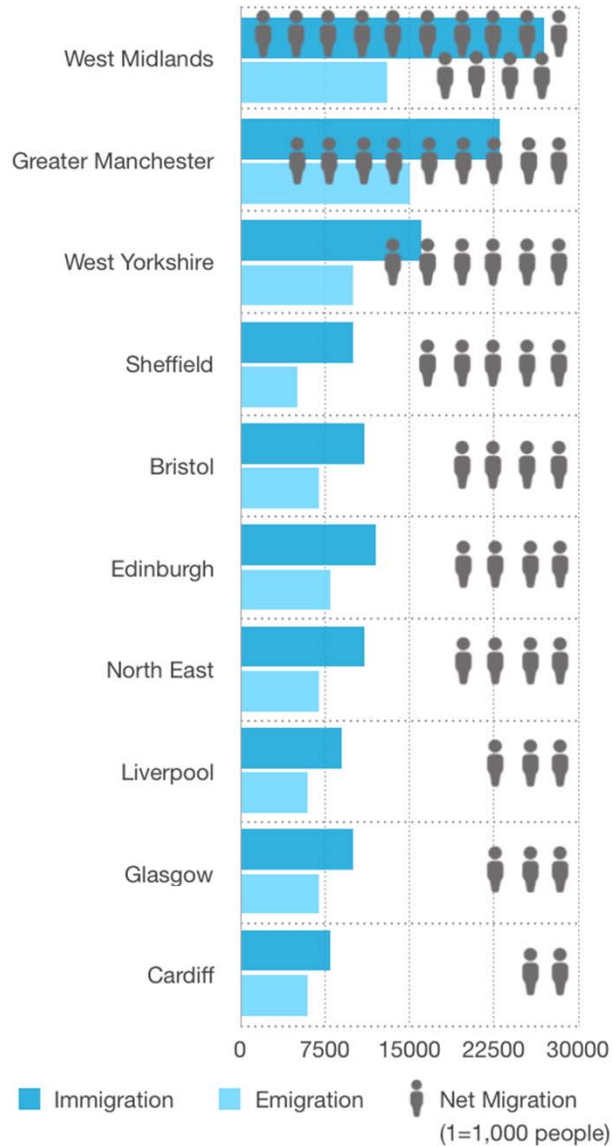


Figure 9: City region population growth

City region	Population mid-2011	Population mid-2015	Growth	% growth
Greater London	8,204,000	8,674,000	469,000	5.7%
Bristol	1,070,000	1,119,000	49,000	4.5%
West Midlands	2,740,000	2,834,000	94,000	3.4%
Greater Manchester	2,685,000	2,756,000	71,000	2.6%
Edinburgh	1,316,000	1,350,000	34,000	2.6%
West Yorkshire	2,227,000	2,282,000	54,000	2.4%
Sheffield	1,344,000	1,375,000	31,000	2.3%
Cardiff	1,482,000	1,505,000	24,000	1.6%
North East	1,933,000	1,957,000	24,000	1.2%
Liverpool	1,506,000	1,525,000	18,000	1.2%
Glasgow	1,787,000	1,804,000	17,000	1.0%
City regions	26,295,000	27,180,000	885,000	3.4%
City regions not London	18,091,000	18,506,000	415,000	2.3%
Rest of the UK	36,990,000	37,930,000	940,000	2.5%
UK	63,285,000	65,110,000	1,825,000	2.9%

*Note: Numbers may not add up due to rounding

- The Cardiff Capital Region exhibits low levels of migration compared to other city regions in the UK.
- Over the past four years the city region's population has grown by 24,000 people. However at 1.6% this is much lower than many other city regions, with only the North-East, Liverpool, and Glasgow being comparatively lower.
- While the region has a high level of young people, this can be partly attributed to the number of universities in the city region.

Figure 10: Cardiff Capital Region population pyramid by age (2015)

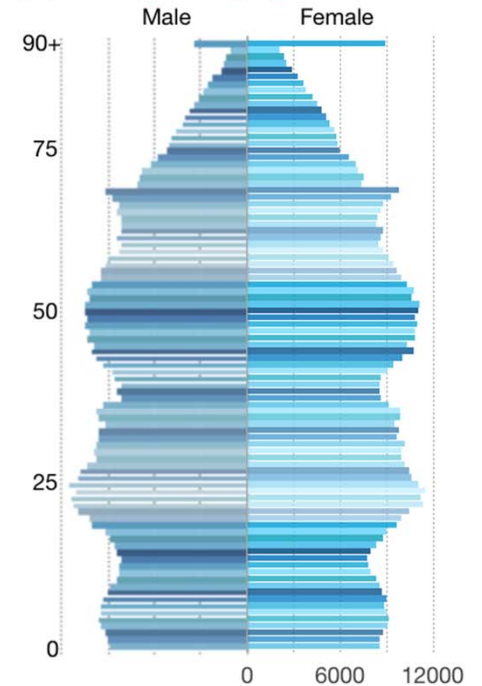


Figure 18: Change in GVA per Hour Index - Smoothed (UK=100) (numbers may not add due to rounding)

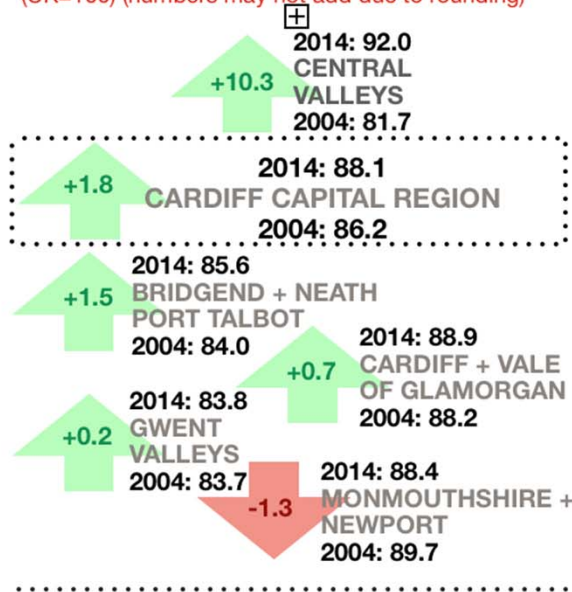
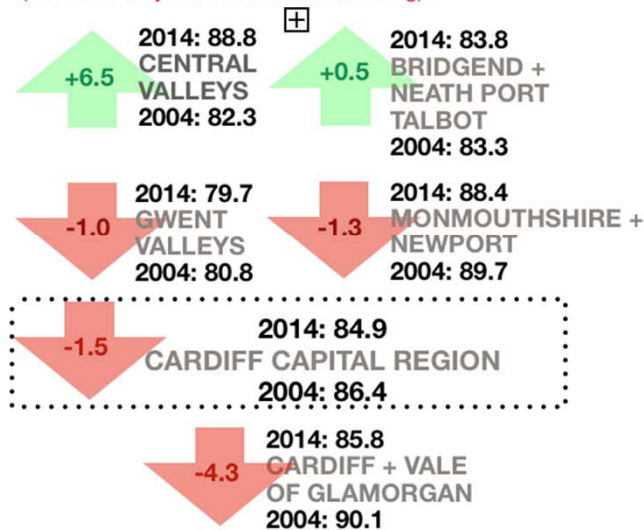


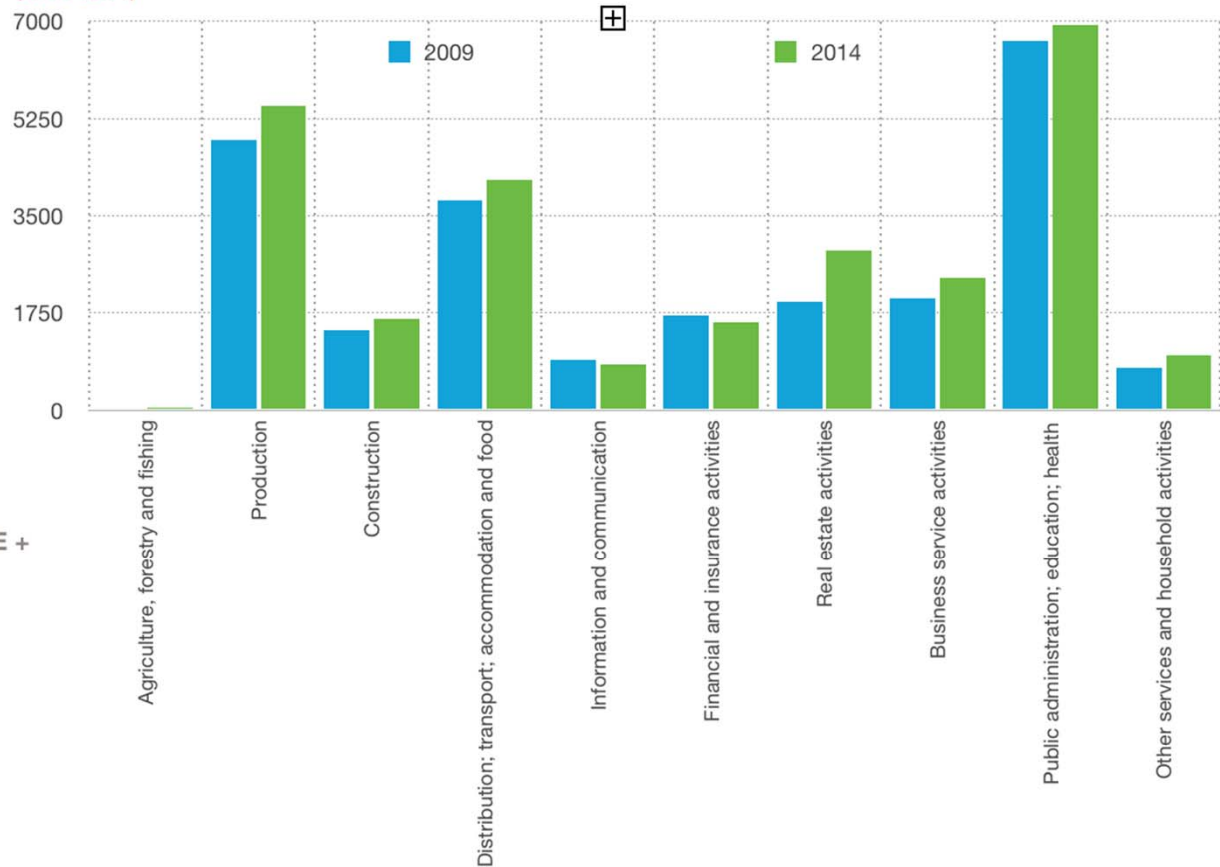
Figure 19: GVA per Job Filled - Smoothed (UK=100) (numbers may not add due to rounding)



- The gross value added (GVA) per hour index shows a slight rise for the Cardiff Capital Region as a whole between 2004 and 2014. The Central Valleys area witnessed the strongest increase (81.7 to 92.0) while the greatest decline was in Monmouthshire and Newport (89.7 to 88.4).
- In terms of GVA per job filled there has been an overall decline in the index for the city region of 1.5 between 2004 and 2014. Within the Cardiff Capital Region, Cardiff and the Vale of Glamorgan saw the greatest decline (90.1 to 85.8).
- Productivity - measured by GVA by industry - has improved across most sectors between 2009 and 2014. Productivity has fallen in the information and communication, and financial and insurance activities.



Figure 20: Gross Value Added (Income Approach) by SIC07 industry at current basic prices for Cardiff Capital Region (2009-2014)



- Between 2004 and 2015 the unemployment rate throughout the city region has generally increased, particularly in Bridgend (+3.4) and Blaenau Gwent (+2.3). A decline was however seen in The Vale of Glamorgan (-1.0).
- The unemployment rate across the authorities of the city region was highly variable in 2015, from a low of 3.3% in Monmouthshire to a high of 9.5% in Blaenau Gwent.
- Those claiming job seekers allowance and universal credit were largely concentrated in the more urban parts of the Cardiff Capital Region authorities.

Figure 21: Percentage point change in unemployment rate (Jan 2004-Dec 2004 to Jan 2015-Jan 2015)

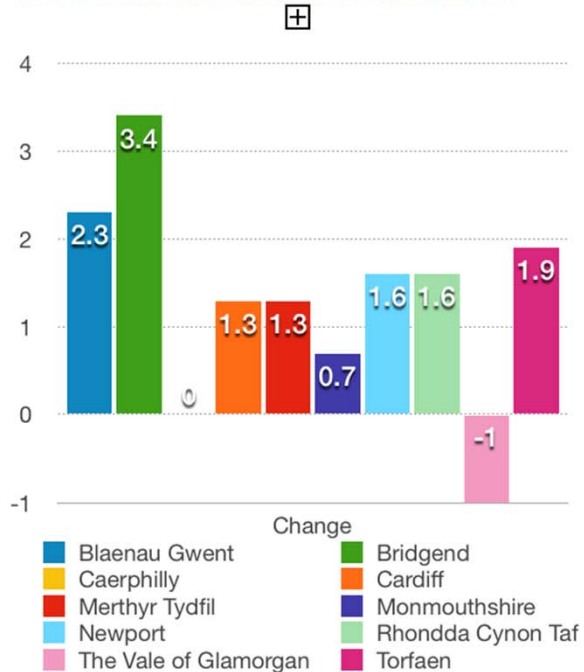


Figure 22: Unemployment rate (Jan 2015)

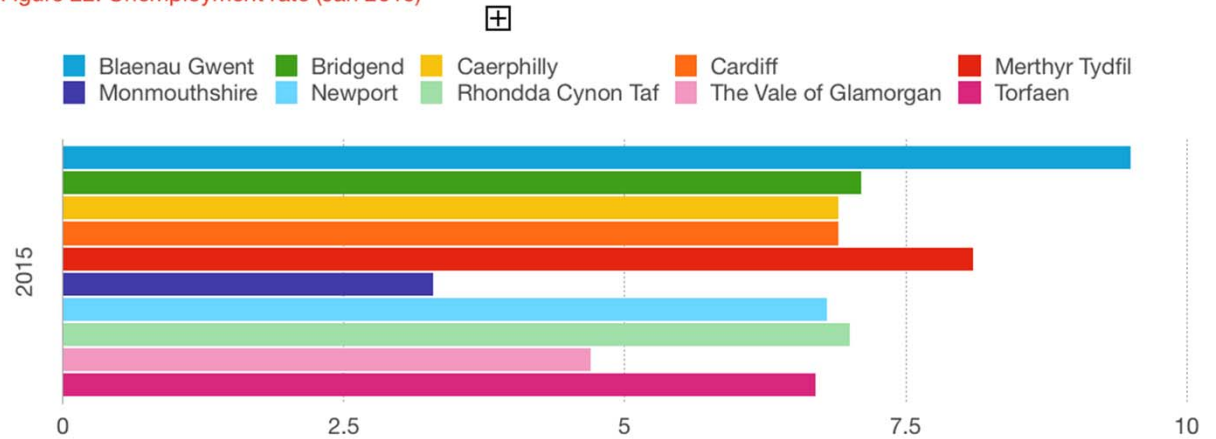


Figure 23: Claimant count (JSA and universal credit) (Jan 2015)

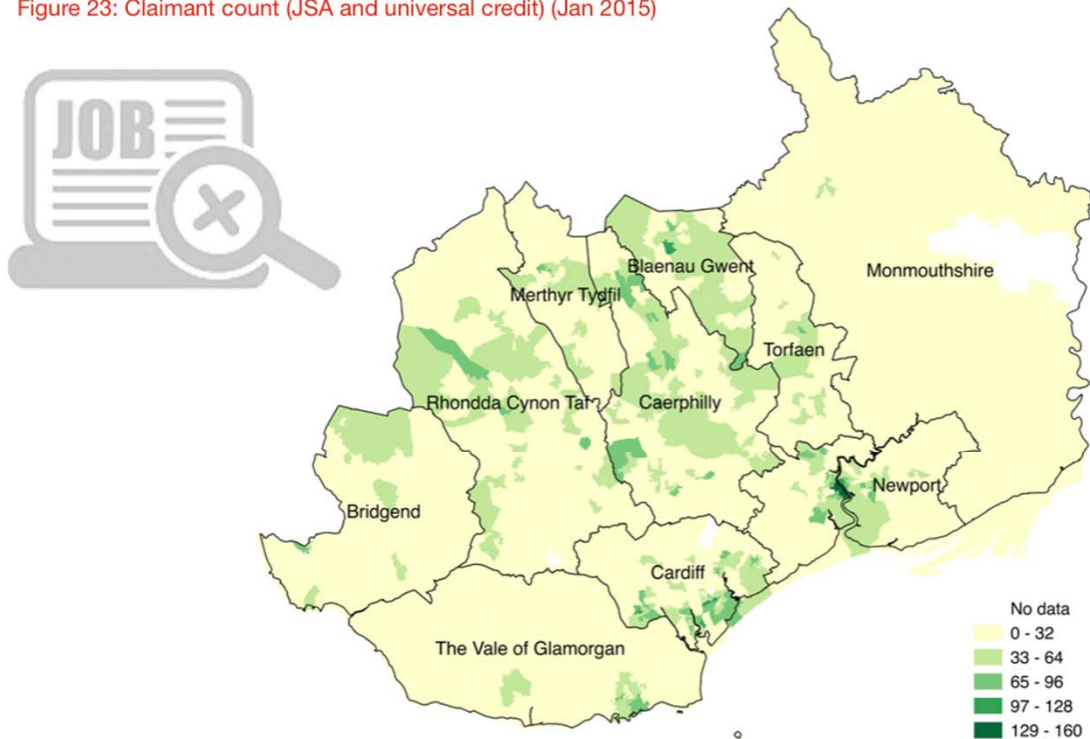
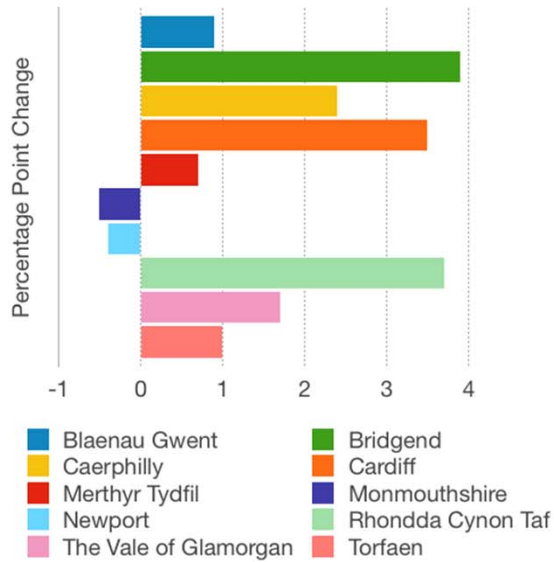


Figure 31: Percentage point change in all persons employed in the private sector (Jan 2004-Dec 2004 to Jan 2015-Jan 2015)



- Private sector employment has increased between 2004 and 2015 in the majority of authorities within the city region, growing the most in Bridgend (+3.9%) and Rhondda Cynon Taf (+3.7%).
- There has been a net rise in public sector jobs over the same period of 0.5% and 0.4% in Monmouthshire and Newport.
- The likelihood of company failure, as measured by QuiScore, highlights geographic variation in company health across the city region.
- New enterprises increased between 2009 and 2015 in all local authorities while most saw declines in the number of enterprises that failed, apart from Merthyr Tydfil and Blaenau Gwent.
- The value of outstanding small-medium enterprise loans was largely concentrated within the coastal local authorities of the city region.

Figure 32: Average QuiScore for companies with headquarters in the Cardiff Capital Region by postcode (2015)

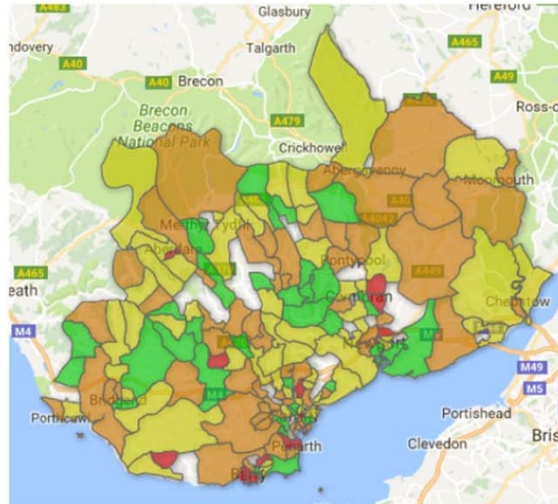


Figure 34: Value of SME lending outstanding at end-June 2013, by postcode

£ Over £1.5 trillion in outstanding SME loans in the Cardiff Capital Region

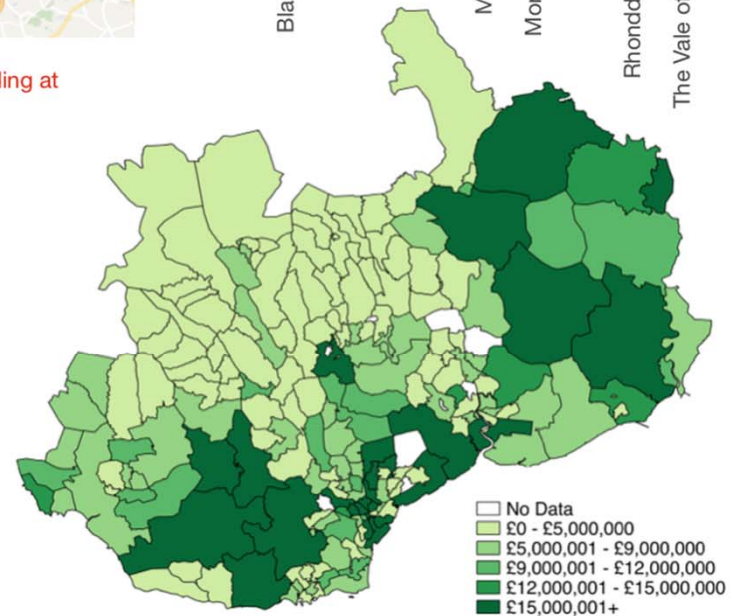
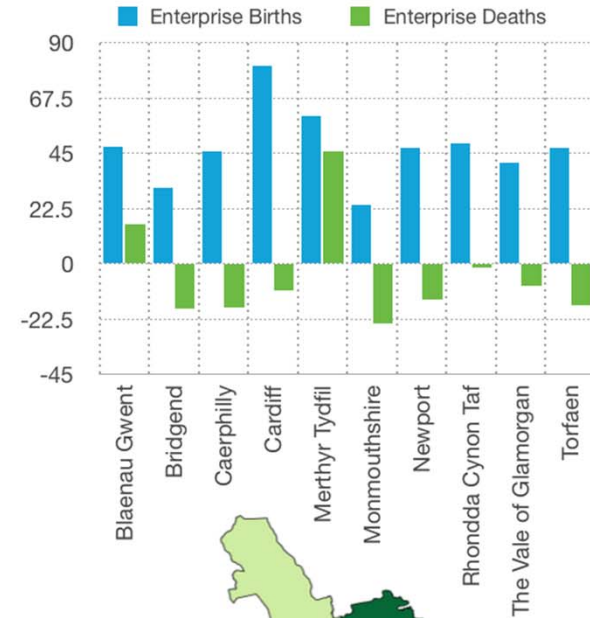


Figure 33: Percentage change in count of births and deaths of enterprises (2009-2015)



- Only three unitary authorities exceed the Cardiff Capital Region's median hourly gross pay of full time workers of £12.30/hr based on workplace.
- Comparing workplace wages and resident wages, Monmouthshire and The Vale of Glamorgan have particularly high differences, with residential annual gross wages for full time workers being £6,785 and £3,354 higher, respectively, than for those that work there.
- 130,000 employee jobs in the city region were paid below the Living Wage in 2015.
- Between 2008 and 2015, Blaenau Gwent saw strong wage growth for both workplace and residence pay, while The Vale of Glamorgan was the only authority to see declines.

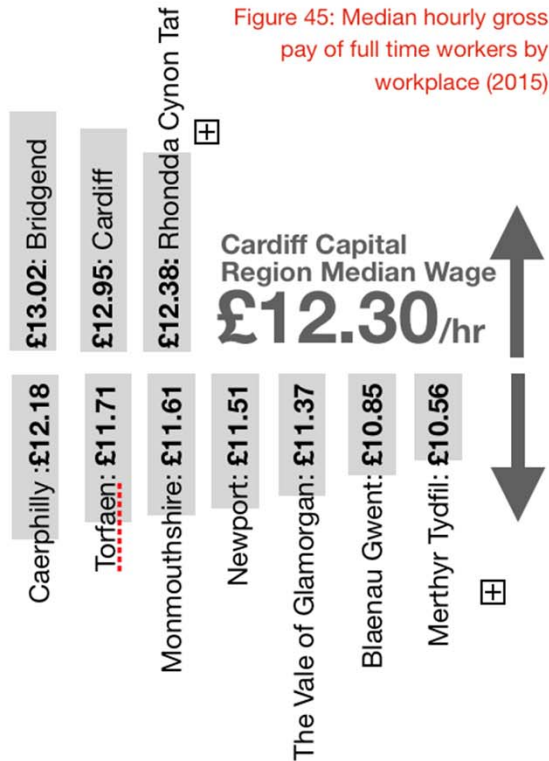


Figure 46: Median annual gross pay of full time workers by location (2015)

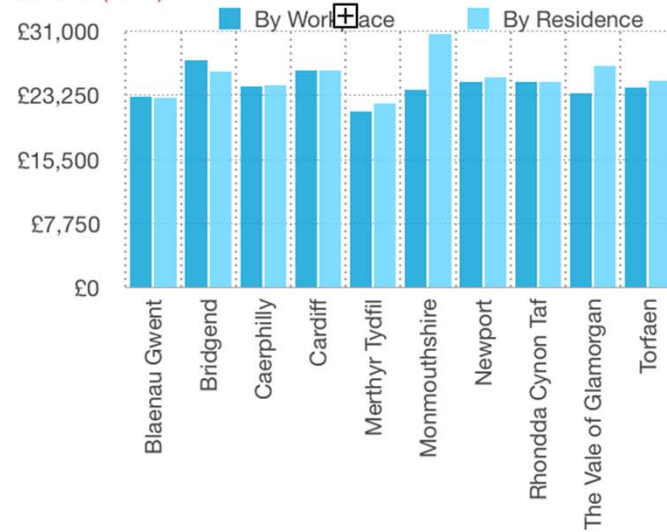


Figure 47: Employee jobs paid below the Living Wage (2015)

Unitary Authority	Number	%
Blaenau Gwent	5,000	25.3
Bridgend	11,000	20.9
Caerphilly	10,000	21.9
Cardiff	37,000	20.2
Merthyr Tydfil	6,000	26.4
Monmouthshire	10,000	26.6
Newport	17,000	25.6
Rhondda Cynon Taf	19,000	26.8
Torfaen	8,000	28.1
Vale of Glamorgan	7,000	23.3

Figure 48: Percentage change in median annual gross pay of full time workers by location (2008-2015)

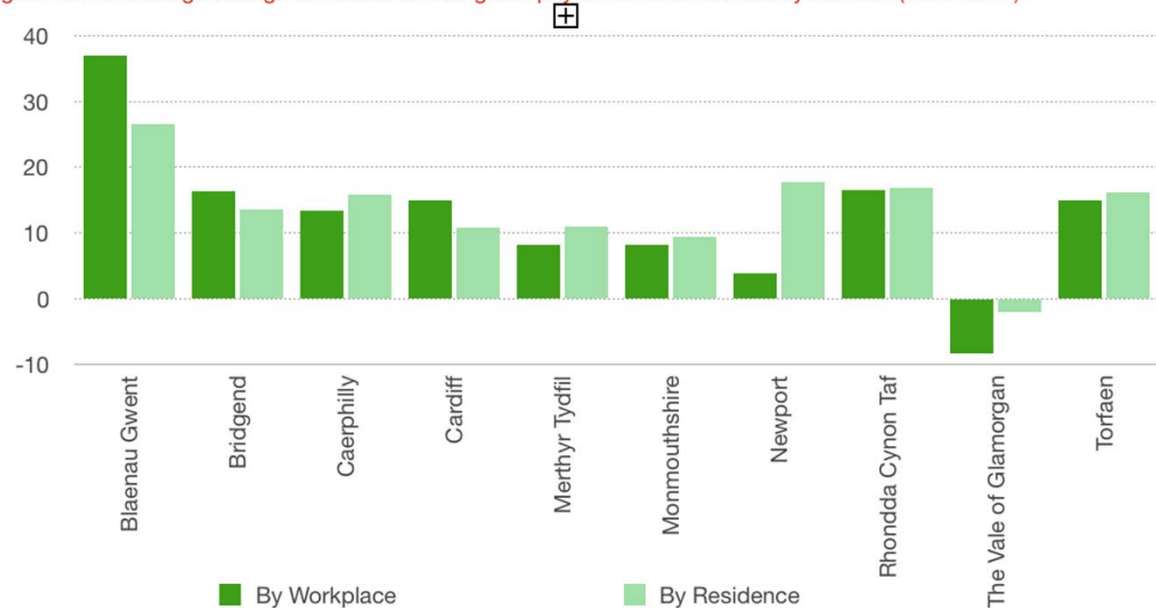




Figure 61: Estimates of personal well-being for the Cardiff Capital Region (April 2015 - March 2016)

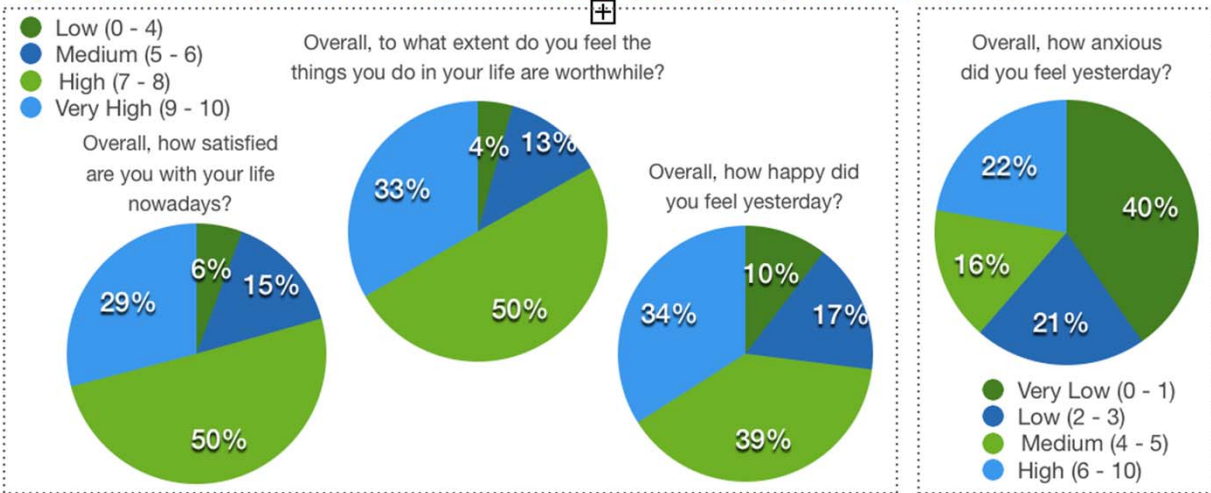
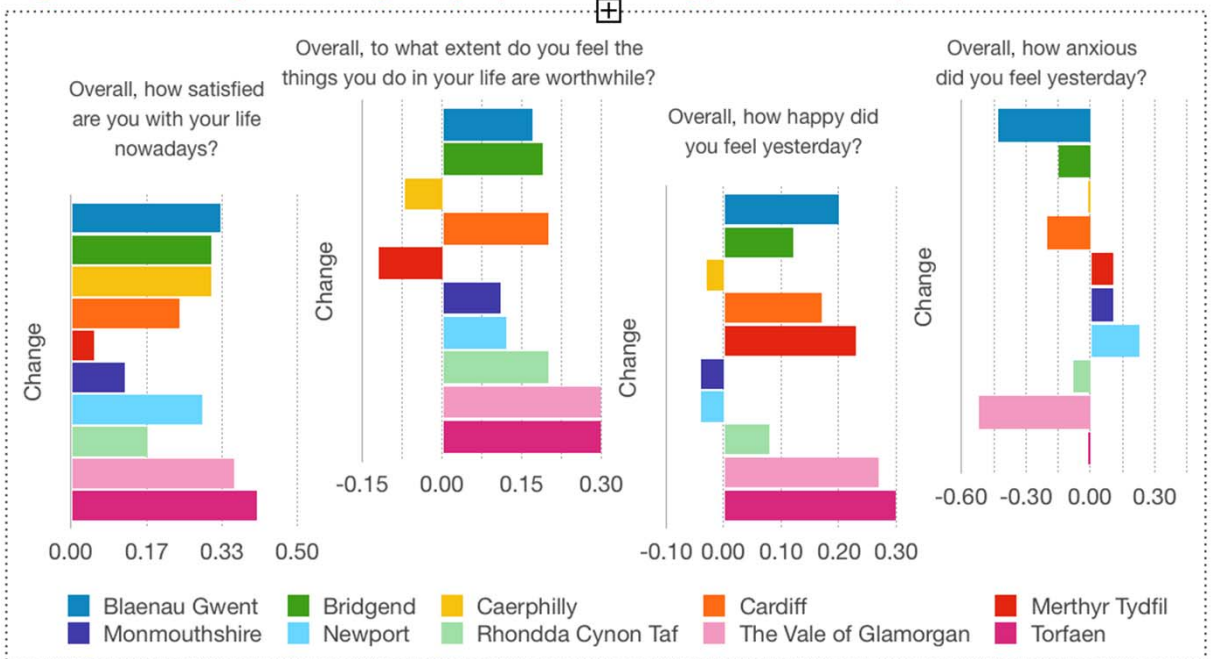
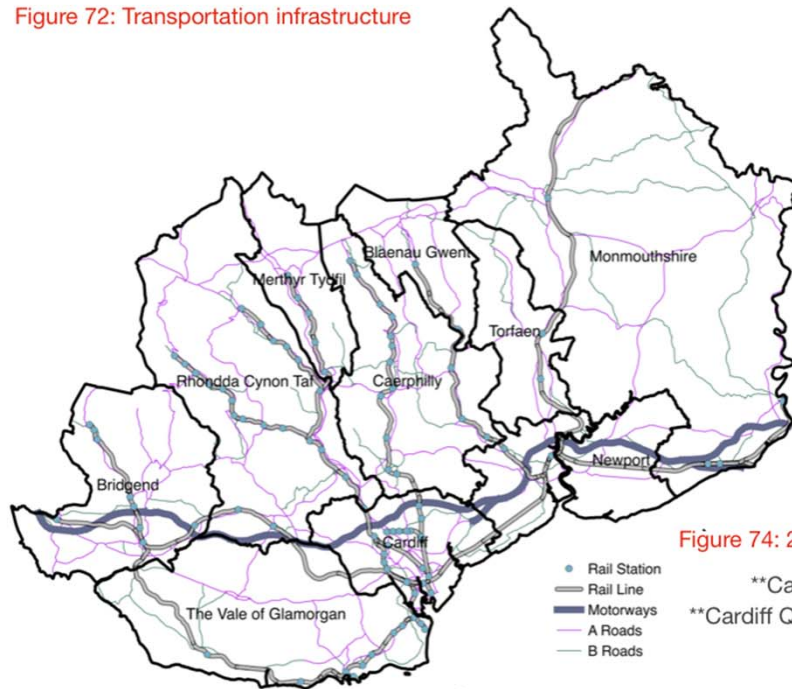


Figure 62: Rate change in LA average rating of personal well-being (2011/12 - 2015/16)



- Personal well-being levels in the Cardiff Capital Region are quite high, with 79% of people saying they had high or very high levels of satisfaction with their lives, 83% saying they had high or very high feelings that what they do is worthwhile, and 73% saying they had high or very high feelings of happiness.
- 61% of people also reported very low or low levels of anxiety.
- Since 2011/12 improvements in life satisfaction were seen in all authorities within the Cardiff Capital Region, while change on the other measures was more variable depending on the authority.

Figure 72: Transportation infrastructure



- Rail usage has increased in all authorities from 2002/03 and 2012/13, with the largest increase being accounted for by the re-opening of the Ebbw Vale line in 2008. Bridgend also saw a strong rise in rail passenger journeys.
- Despite the increases in rail travel, the dominant mode of transport to work in the city region remains the car with over 70% of residents in half of the authorities choosing to drive to work.
- The top three busiest stations in Wales are in the Cardiff Capital Region, as well as 15 of the top 20.



Figure 73: Method of travel to work, all usual residents aged 16 to 74 (2011)

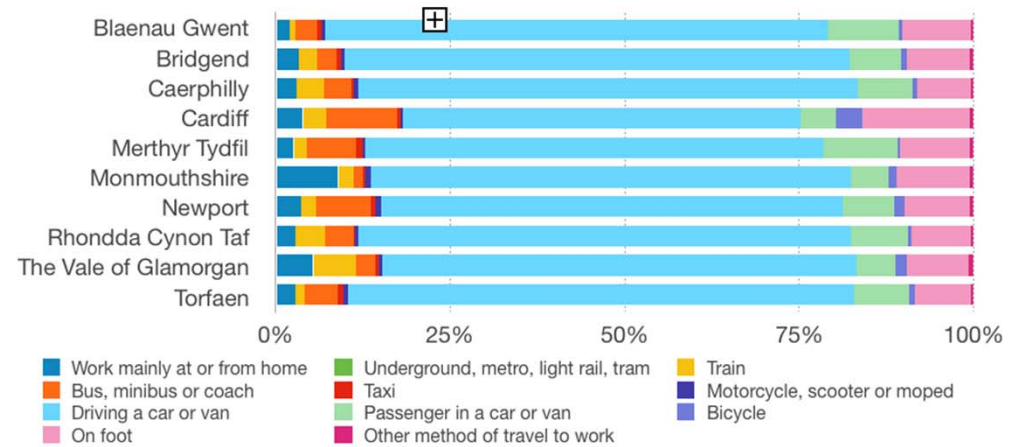


Figure 74: 20 busiest stations in Wales by station entries/exits (2014-2015)

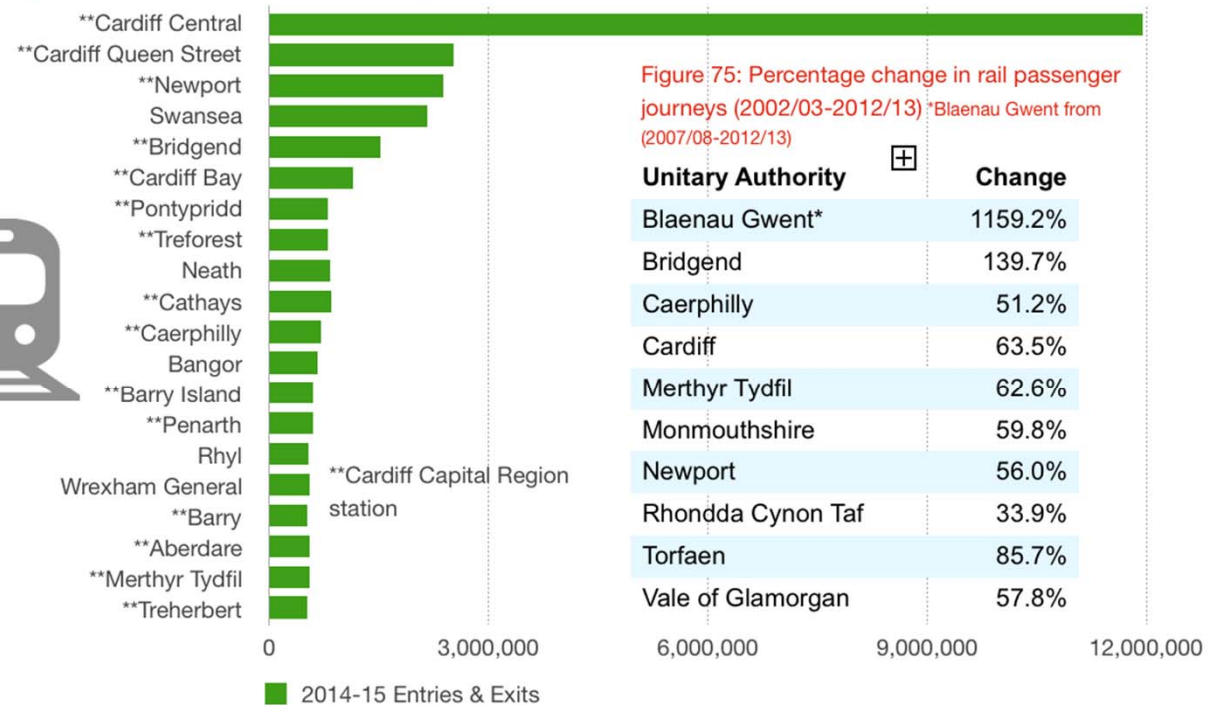


Figure 75: Percentage change in rail passenger journeys (2002/03-2012/13) *Blaenau Gwent from (2007/08-2012/13)

Unitary Authority	Change
Blaenau Gwent*	1159.2%
Bridgend	139.7%
Caerphilly	51.2%
Cardiff	63.5%
Merthyr Tydfil	62.6%
Monmouthshire	59.8%
Newport	56.0%
Rhondda Cynon Taf	33.9%
Torfaen	85.7%
Vale of Glamorgan	57.8%

- Between 2005 and 2015 all ports in and around the Cardiff Capital Region, apart from Newport, saw declines in the volume of freight carried.
- The greatest decline during this period was at Sharpness (-54%) in Gloucestershire and Neath (-53%) in Neath Port Talbot.
- Total goods lifted in Wales for domestic or international haulage also declined within Wales, with the greatest percentage declines being exports to outside the UK (-30.4%) and the greatest absolute declines being within Wales (-16,302 thousand tonnes).

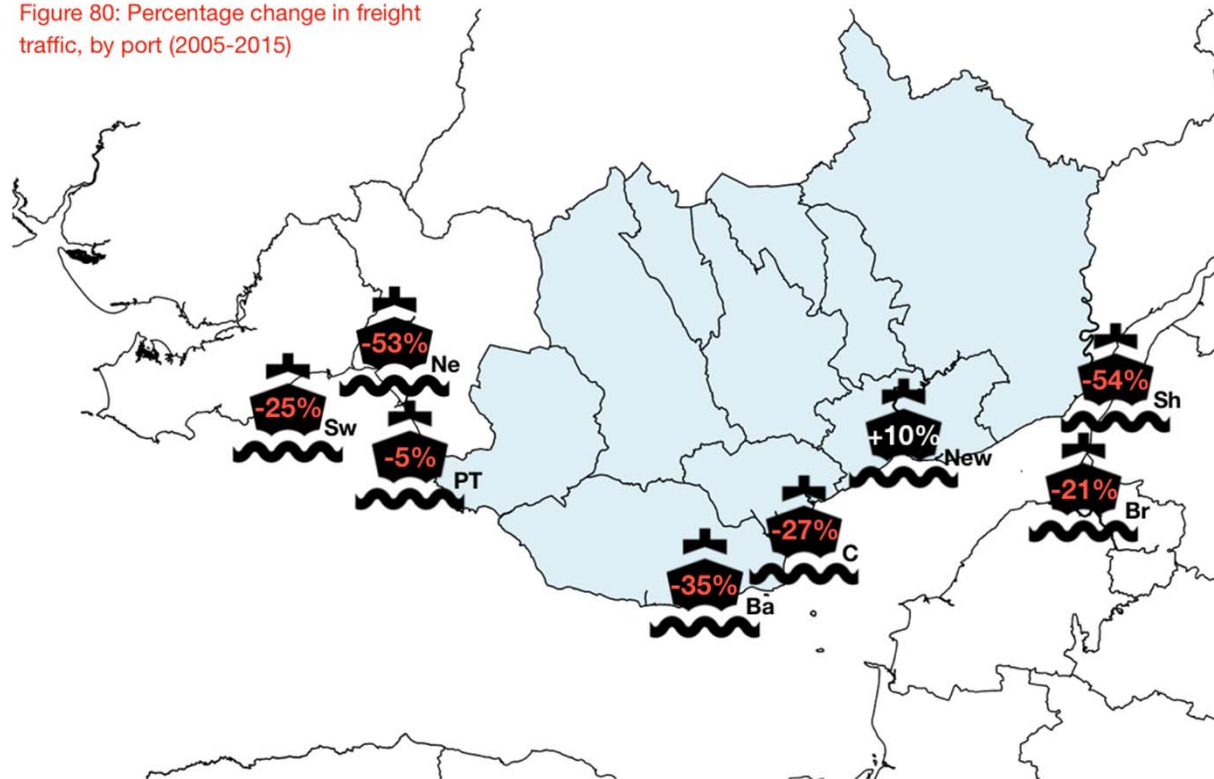
Figure 78: Change in freight traffic, by port, in thousands of tonnes (2005-2015)

Port	2005	2015	Change
Barry	318	207	-111
Bristol	11206	8877	-2329
Cardiff	2450	1791	-659
Neath	406	192	-214
Newport	959	1055	96
Port Talbot	8573	8113	-460
Sharpness	130	60	-70
Swansea	695	518	-177

Figure 79: Change in goods lifted in Wales for domestic or international haulage, by origin and destination, in thousand tonnes (2003-2013)

Year	Within Wales	To Wales from rest of UK	From Wales to rest of UK	Imports from outside the UK	Exports to outside the UK
2003	59,201	26,458	27,908	367	570
2013	42,899	23,348	23,832	269	397
Absolute Change	-16,302	-3,110	-4,076	-98	-173
Percentage Change	-27.5	-11.8	-14.6	-26.7	-30.4

Figure 80: Percentage change in freight traffic, by port (2005-2015)



THANK YOU

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