SMART DUBLIN

Dublin Region Open Data Working Group

Luke Binns
30/11/2021

OPEN, CONNECTED & ENGAGED

www.SmartDublin.ie @SmartDublin

Comhairle Cathrach Bhaile Átha Cliath Dublin City Council

Comhairle Contae Átha Cliath Theas South Dublin County Council

dlr Comhairle Contae County Council

Comhairle Contae Fhine Gall Fingal County Council

Smart Dublin is an initiative of the four Dublin Local Authorities

Comhairle Contae Fhine Gall Fingal County Council

Comhairle Contae Átha Cliath Theas South Dublin County Council

Comhairle Cathrach Bhaile Átha Cliath Dublin City Council

dlr Comhairle Contae County Council

We engage with new technology, research and the wider public to improve services and address city-region challenges.

SMART DUBLIN

- Challenge based
- Data driven
- Open innovation

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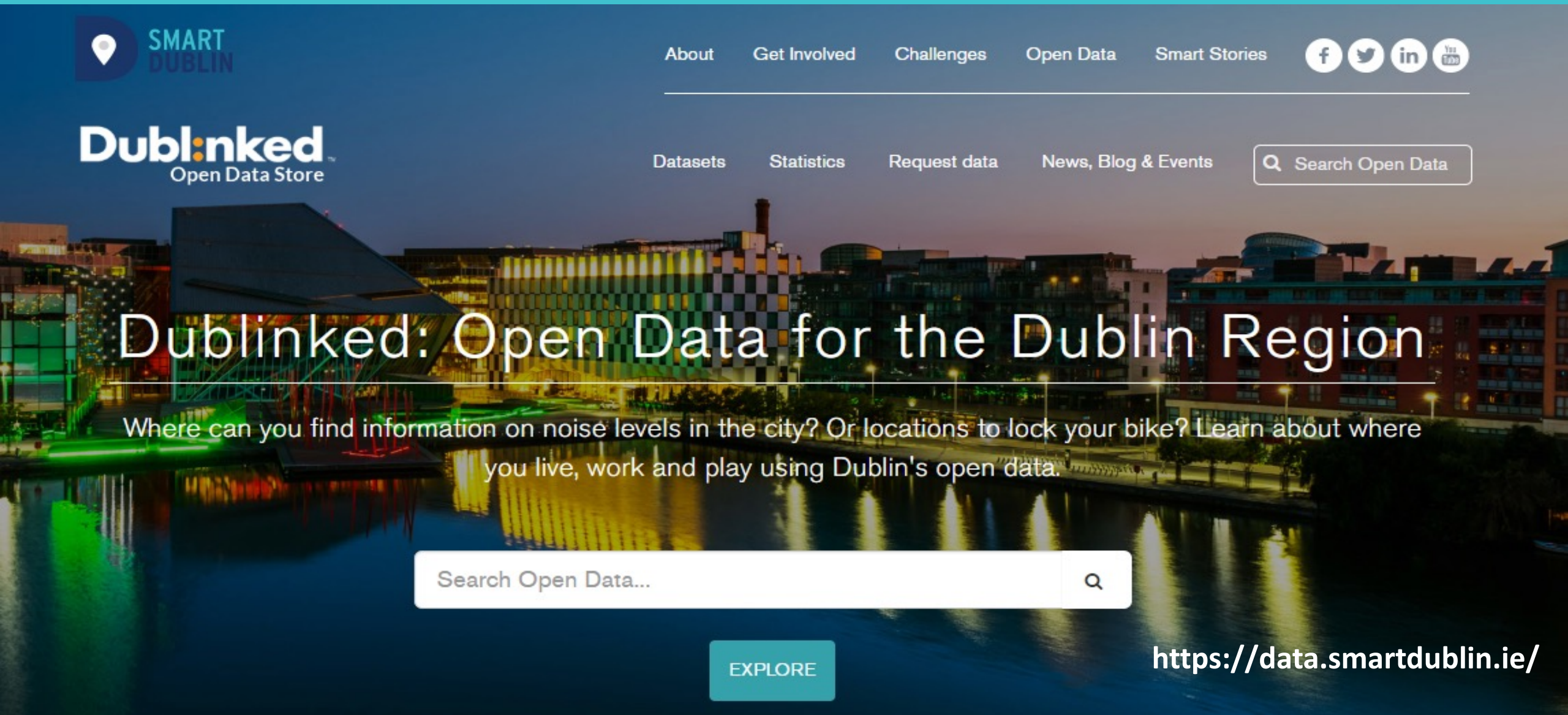
Dublin City Council

Comhairle Contae Átha Cliath Theas
South Dublin County Council

dlr
Comhairle Contae County Council

Comhairle Contae Fhine Gall
Fingal County Council

Dublinked Open Data Store



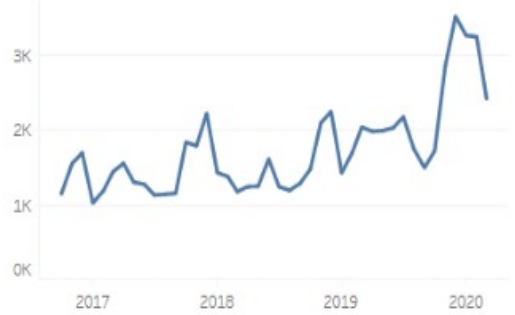
https://data.smartdublin.ie/

Dublinked Datasets

Most Viewed Datasets

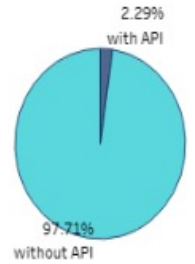
Dataset
Real-time Passenger Information (RTPI) for Dublin Bus, Bus Eireann, Luas and Irish rail - Datasets - data.smartdublin.ie
National Transport Authority Public Transport Information - Datasets - data.smartdublin.ie
Real-time Passenger Information (RTPI) for Dublin Bus, Bus Eireann, Luas and Irish rail - RTPI_REST_API_specification.pdf - data.smartdublin.ie
Roads and Streets in Dublin City - Datasets - data.smartdublin.ie
3D Data Model Resources for Dublin Docklands SDZ - Datasets - data.smartdublin.ie
Pedestrian footfall index in Dublin city centre - Datasets - data.smartdublin.ie
Dublin City Council Administrative Area Maps - Datasets - data.smartdublin.ie
Real-time Passenger Information (RTPI) for Dublin Bus, Bus Eireann, Luas and Irish rail - RTPI_REST_API_specification.pdf - data.smartdublin.ie
Multi Story Car Parking Space Availability - Datasets - data.smartdublin.ie
dublinbikes - Dublin Bikes API - data.smartdublin.ie

No of Users



Datasets under Open Licence

Dataset access



Pageviews per Session

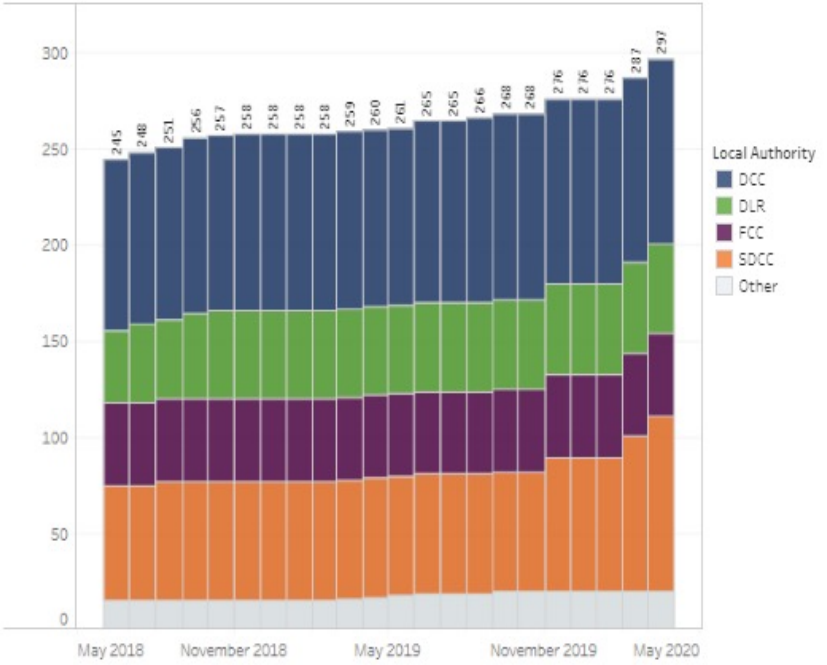
Datasets Star Rating

Star Rating	Mar 20
5 Star	0
4 Star	0
3 Star	246
2 Star	14
1 Star	35
0 Star	2

New Datasets

Local Authority	Mar 20
DCC	0
DLR	0
FCC	0
SDCC	10
Other	0

Total Datasets by Local Authority



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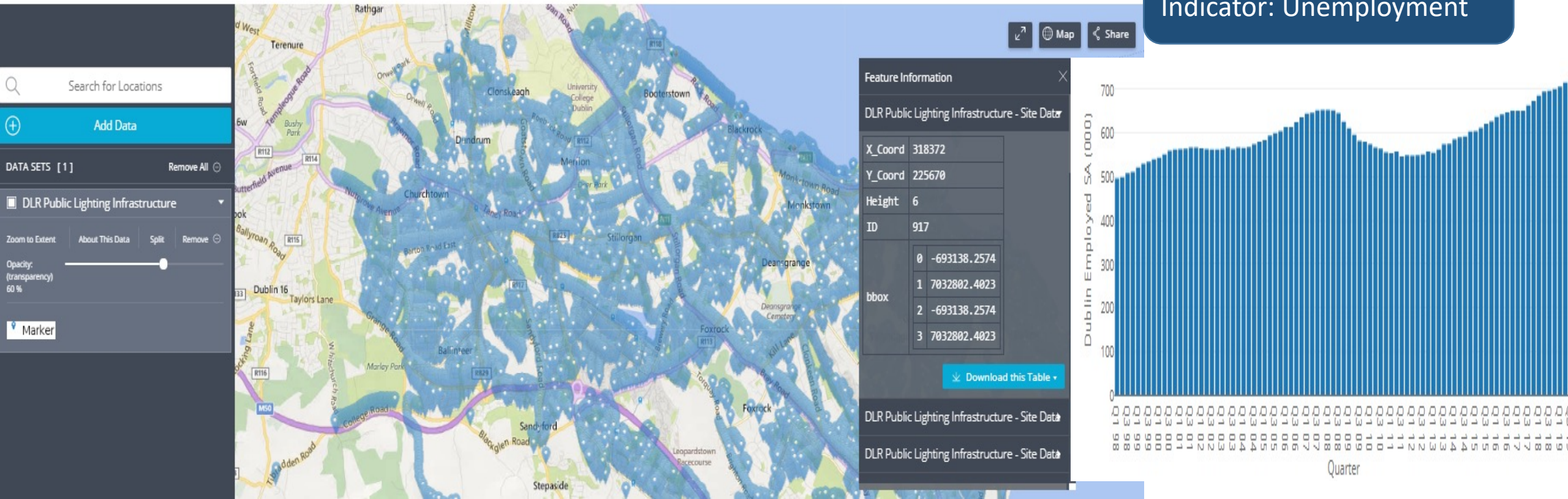
Dublinked: Maps & Visualisations

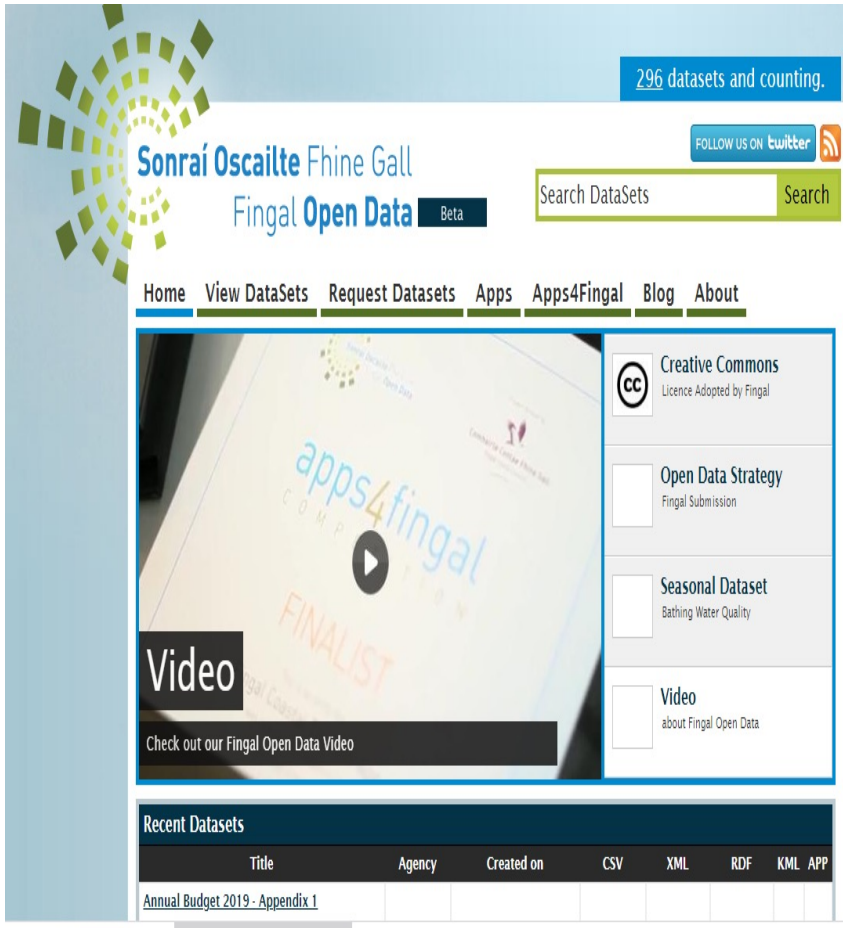
- ✓ Layer multiple datasets
- ✓ Download the Raw Data
- ✓ Share the via social media

Dublin Economic Monitor Indicator: Unemployment



Federated Publishing Approach

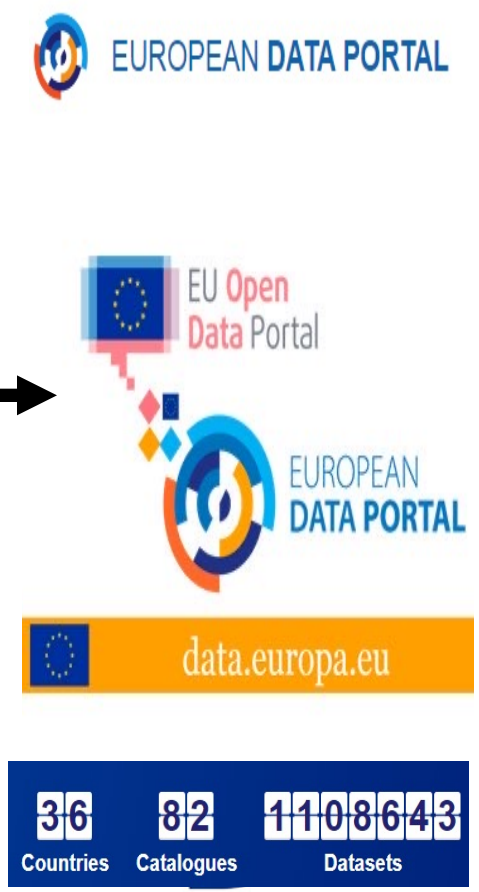
1. County



2. Region

3. National

4. Europe



Example Dataset: Accessible Parking Bays

Dublin City Council (1)

Dún Laoghaire-Rathd... (1)

Fingal County Council (1)

Regions

Dublin City (1)

Dún Laoghaire-Rathdown (1)

Fingal (1)

Last updated

2010 (1)

2011 (1)

2016 (1)

Tags

disabled-parking (3)

Disabled Parking Spaces

Location of Disabled Car Parking spaces known t
area. Fields include id Area Description ROADNA

DLR Disabled Parking Bays

List of disabled parking bays in Dun Laoghaire-Ra

Comhairle Cathrach
Bhaile Átha Cliath
Dublin City Council

On Street Disabled Parking Bay i

Disabled Parking Bays on roads and streets This
streetname, postal code, no of disabled spaces at

Access Earth

Know more. Do more. Live more.

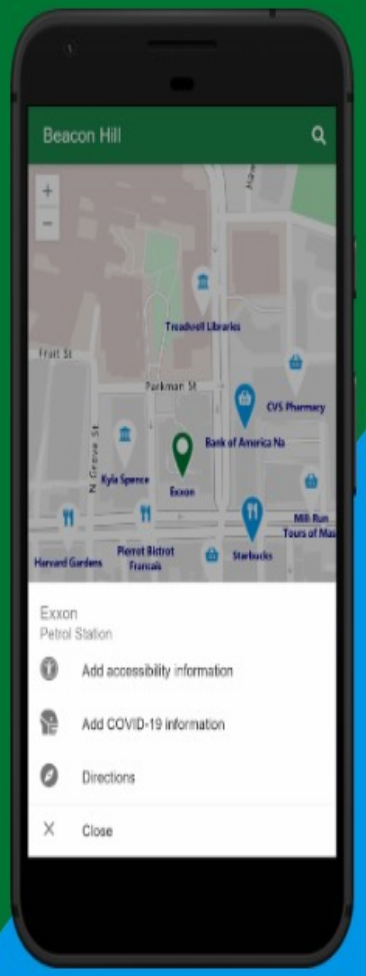
Access Earth is a free platform that allows you to find and rate places by your accessibility needs.

GET INVOLVED!

LAUNCH WEB APP

GET IT ON Google Play

Download on the App Store



Example Datasets: Bikeshare APIs

BLEEPERbike

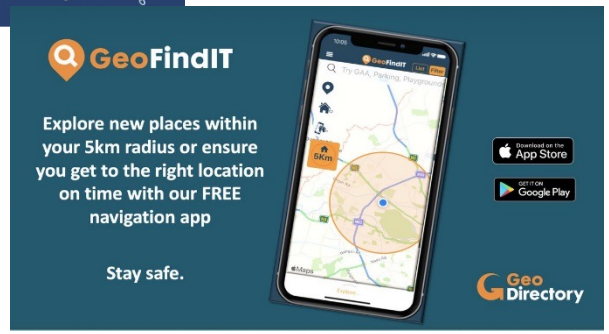
Resources

Bleeperbike API
Bleeperbike API

Bleeperbike historical data 082020
Bleeperbike bike sharing scheme. Historical data for bike locations, August...

bleeperbike 072020
bleeperbike 072020

Bleeperbike Map
Bleeperbike Map



dublinbikes

Resources

Dublinbikes BETA API
Dublinbikes BETA API by Derilinx This API provides near real time and...

Dublin Bikes API from JCDecaux
This API provides real time information on the Dublin bikes. Dublin Bikes...

Dublinbikes 2018/07/01-2018/10/01
Dublinbikes 2018 Q3 usage data

Dublinbikes 2018/10/01-2019/01/01
Dublinbikes 2018 Q4 usage data

Dublinbikes 2019/01/01-2019/04/01
Dublinbikes 2019 Q1 usage data

Example Dataset: Public Lighting

Dublin City Council (3)
South Dublin County... (2)
Dún Laoghaire-Rathd... (1)
Fingal County Council (1)
National Transport ... (1)

Regions

Dublin City (3)
Dún Laoghaire-Rathdown (1)
Fingal (1)
Greater Dublin Area (1)
National (1)
South Dublin (1)
Show More Regions

Last updated

2021 (7)
2011 (1)

Tags

Fingal County Council

Street Lighting Fingal

Street Lighting This dataset is extracted from F
lighting pole locations in the Fingal area. Data

Comhairle Cathrach Bhaile Átha Cliath
Dublin City Council

Public Lighting Usage DCC

Public Lighting List of meter references and us

South Dublin County Council

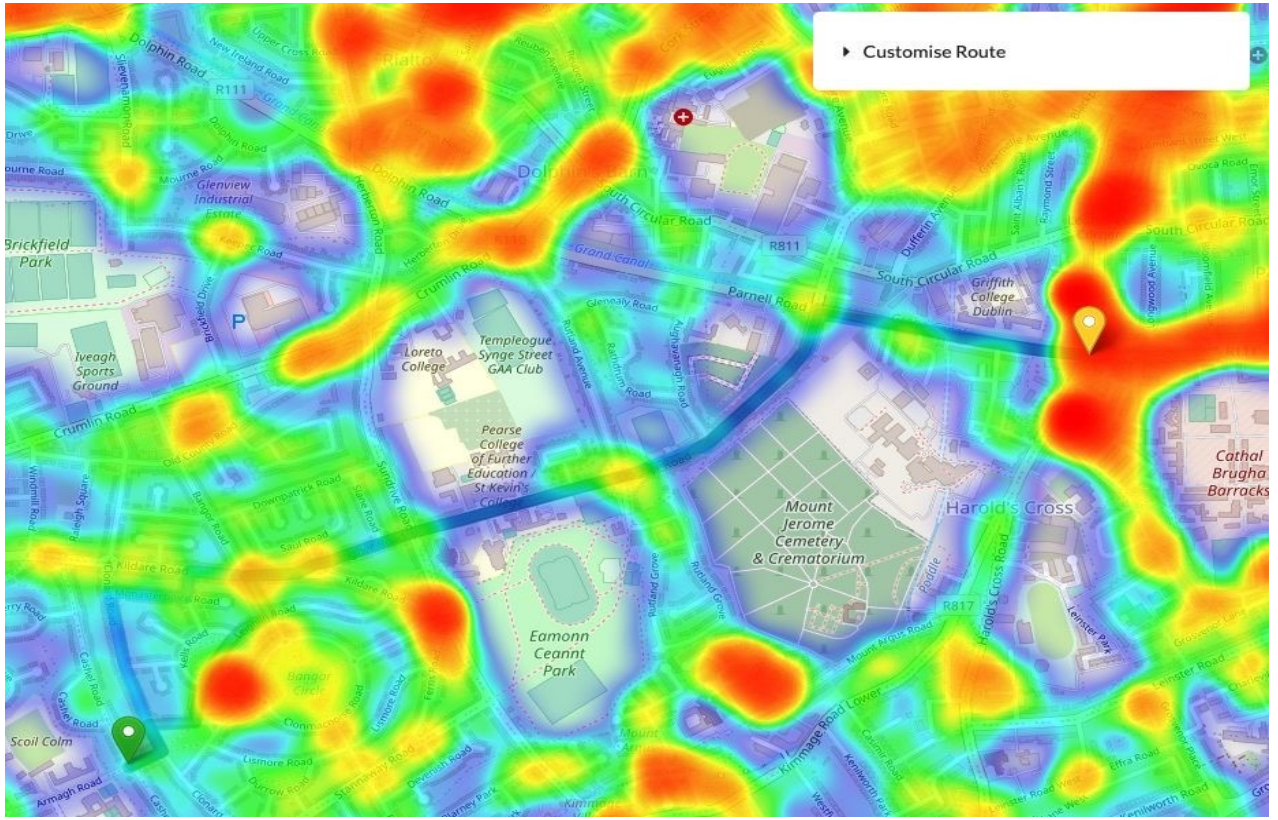
Public Lighting SDCC

SDCC Public Lighting

Public Lighting DLR

Public lights located within the Dún Laoghaire-
Council's street lighting management system a

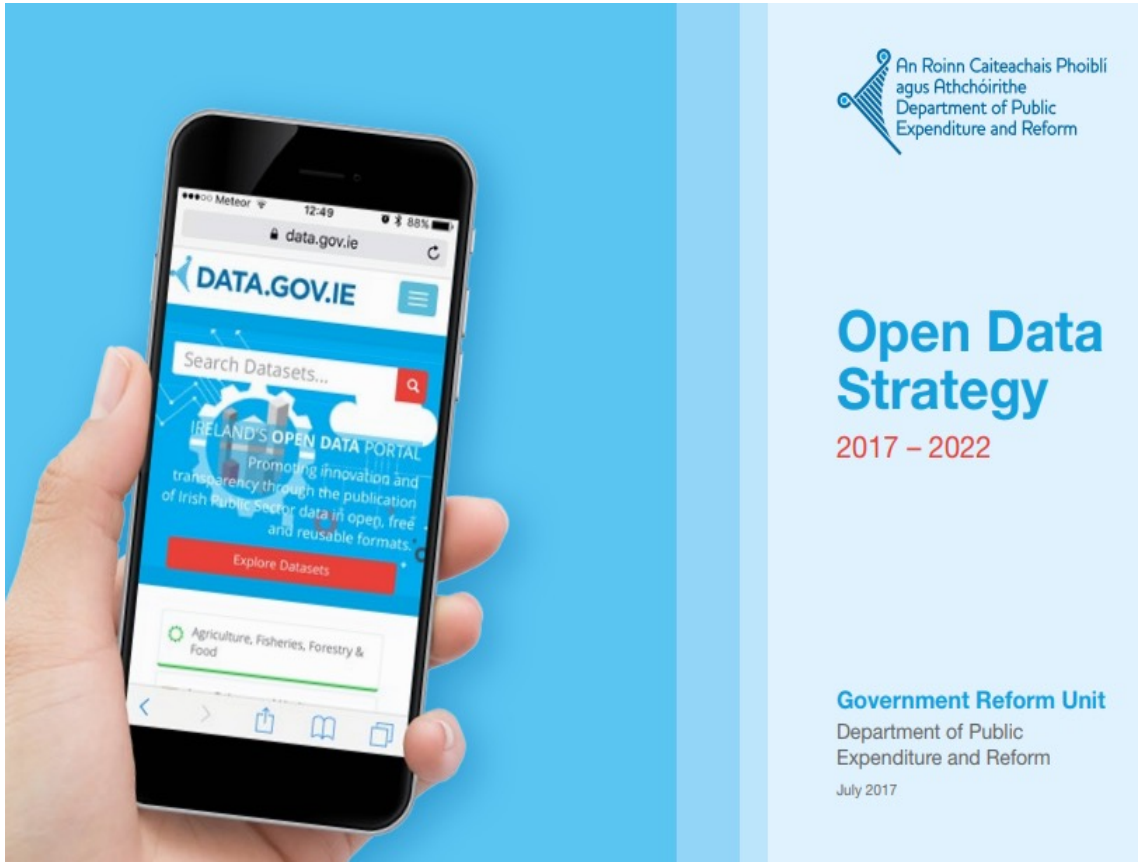
Safepoints- well lit cycling and walking routes



Dublin Region Open Data Working Group

Background and Approach

- Set up 2020
- Coordinate updates for National Open Data Strategy
- ODLOs from each Dublin LA plus others inc. Derilinx
- Service by service approach (Transport, Environment, etc):
    - Data cataloguing
    - Preparation and publication



Transport: Data Audit and Gap Analysis

Dataset	DCC	DLR	FCC	SDCC
Cycle Counters	Yes	Yes	No	No
Pedestrian Footfall Counts	Yes	Yes	No	No
Traffic counts (automated)	Yes	No	No	Yes
Traffic Counts (Manual)	Yes	No	No	No
VAS Signage data (counts and/or vehicle speed)	No	No	No	No
Journey times	Yes	No	No	Yes
Street Lights Locations	Yes	Yes	Yes	Yes
Traffic Lights Locations	No	No	No	Yes
Cycle Racks	Yes	Yes	No	No
Cycle Lanes	No	No	No	Yes
Bike Maintenance stands	No	Yes	No	Yes
Bikeshare locations	No	No	No	No
Bikeshare availability (dynamic data)	No	No	No	No
Walking routes and trails	No	Yes	No	Yes
Parking meter locations	Yes	Yes	No	No
Paid parking locations and zones (mapped)	Yes	Yes	No	No
Residential parking locations and zones (mapped)	Yes	No	No	No
Parking transactions data	Yes	No	No	No
Parking enforcement data (e.g. clamping, fines)	Yes	No	No	No
Accessible parking locations	Yes	Yes	Yes	Yes
Cark parks locations	Yes	Yes	No	No
Car parks availability (dynamic)	Yes	No	No	No
Loading bay locations	No	No	No	No
Taxi Ranks locations	No	No	No	No
Suspension of parking bays	Yes	No	No	No
Roads and Streets (Road Schedule): locations, types, etc	Yes	Yes	No	Yes

Harmonisation Checklist

	ACTION	EFFORT	IMPACT	WHEN
1	Identify datasets to harmonise	Low	Low	PRE
2	Agree on the formats the data will be published in	Low	Low	PRE
3	Agree on the granularity of the data	Low	Medium	PRE
4	Ensure all datasets are accompanied by DCAT-AP 2.0 compliant metadata	Low	Low	DUR
5	Standardise metadata content	Low	Medium	DUR
6	Use standard naming convention	Low	Medium	DUR
7	Use common keywords	Low	Medium	DUR
8	Standardise the update frequency	Low	Medium	DUR/POST
9	Keep dataset up-to-date	Medium	Medium	POST
10	Reference related datasets from other LAs	Low	Medium	DUR

Harmonisation Tracker

Accessible Parking

Id	Description	LA	Title/URL	Harm. title	Scope Agreed	Update F Agreed	Gran. Agreed	Score	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11
20	Accessible parking locations	DCC	Accessible Parking Spaces DCC	Accessible Parking Spaces	Yes	Annually	Yes	91%											
20	Accessible parking locations	DLR	Accessible Parking Spaces DLR	Accessible Parking Spaces	Yes	Annually	Yes	91%											
20	Accessible parking locations	FCC	Disabled Parking Spaces	Accessible Parking Spaces	Yes	Annually	Yes	64%											
20	Accessible parking locations	SDCC	Accessible Parking Spaces SDCC	Accessible Parking Spaces	Yes	Annually	Yes	100%											

Active Travel Open Data Challenge: 2021

Applications are Open for the Dublin Region Open Data Active Travel Challenge 2021

For details and to apply see smartdublin.ie

*See terms and conditions

Active Travel Challenge

- Launch March 2021
- 38 applications
- 12 participating projects:
  - Bike parking maps
  - Walking/ cycling routes
  - Heatmaps/ analyses
  - Citizen engagement/ citizen science
  - Rewards and gamification
- 3 Prize winners

Organising Committee

Local Government

Comhairle Contae Átha Cliath Theas
South Dublin County Council

Comhairle Cathrach Bhaile Átha Cliath
Dublin City Council

dlr
Comhairle Contae County Council

Comhairle Contae Fhine Gall
Fingal County Council

National Bodies/Initiatives

NTA
Údarás Náisiúnta Iompair
National Transport Authority

Green-Schools
An Taisce

Get Ireland Walking

CYCLING IRELAND

Academia

TU DUBLIN
Ollscoil Teicneolaíochta Bhaile Átha Cliath
Technological University Dublin

Tourism & Tech

SMART TOURISM
A Smart Dublin Partnership

Open Data Advisors

Derilinx

SMART DUBLIN

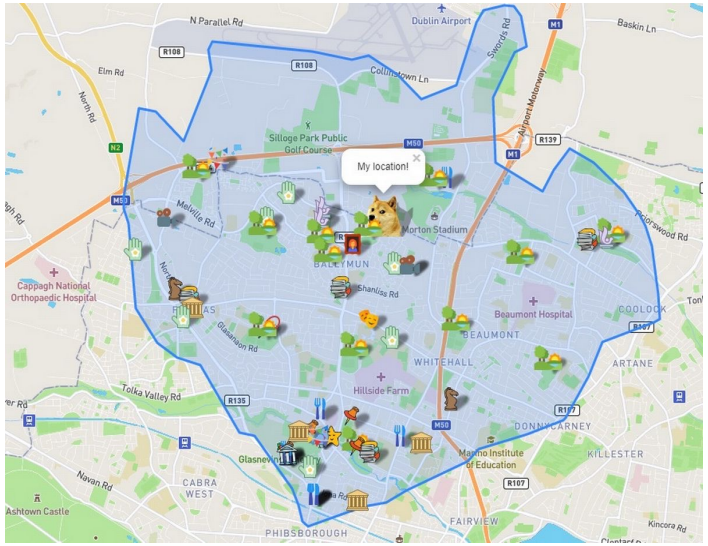
Active Travel Challenge: Showcase

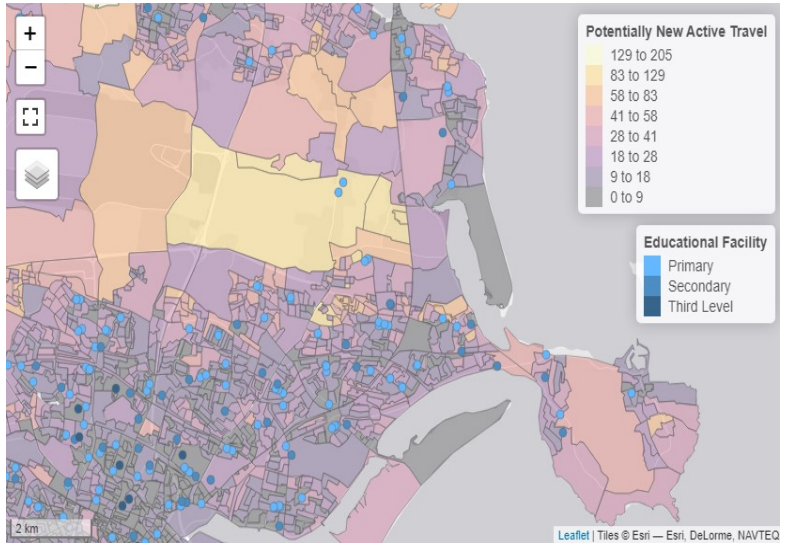
Award Winning Projects

1. **Wheresthecraic.com** (my 15 minute city)
2. **Active Travel to School: Locating Infrastructure for Impact** www.digitalnature.ie/showcase/atc21/
3. **Dublinbikeparking.com**

More info

- ATC Sway: https://sway.office.com/44tq9OKZvcTAKQBj
- Showcase webinar:
- www.youtube.com/watch?v=VM413y0c9kU&t=4s





Key Take Aways

- The 4 Dublin Las through their ODLOs are working to progress the open data agenda in a coordinated way.
- Harmonisation is more often a journey, that happens on a per dataset basis, than a destination.
- Data is as valuable as the use made of it, awareness and engagement are key to value realisation.
- Look out for next year's **Climate Action Challenge!**

Luke.binns@smartdublin.ie

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