SAPSED	SAPSEDNAME	CSO_Data CSO_Name	Pop02	Pop06	Pop11	ActC0211	PcC0211	ActC0611	PcC0611	MPop11	PcMPop11F	Pop11	PcFPop11 P	PHU11	PPHU06	ActPPH06	5: PcPPH06:	1 UnC
01001	001 Carlow Urban	1 Carlow Urban	4963	4605	4181	-782	-15.76	-424	-9.21	2130	50.94	2051	49.06	1805	1756	49	2.79	
01002	002 Graigue Urban	2 Graigue Urban	1702	1524	1272	-430	-25.26	-252	-16.54	654	51.42	618	48.58	550	605	-55	-9.09	
01003	003 Clonmore	3 Clonmore	461	530	560	99	21.48	30	5.66	280	50.00	280	50.00	188	174	14	8.05	
01004	004 Hacketstown	4 Hacketstown	1026	1065	1091	65	6.34	26	2.44	579	53.07	512	46.93	384	356	28	7.87	
01005	005 Haroldstown	5 Haroldstown	239	267	259	20	8.37	-8	-3.00	128	49.42	131	50.58	92	88	4	4.55	
01006	006 Kineagh	6 Kineagh	287	309	327	40	13.94	18	5.83	154	47.09	173	52.91	121	104	17	16.35	
01007	007 Rahill	7 Rahill	393	585	662	269	68.45	77	13.16	334	50.45	328	49.55	240	207	33	15.94	
01008	008 Rathvilly	8 Rathvilly	700	802	838	138	19.71	36	4.49	423	50.48	415	49.52	313	275	38	13.82	
01009																	5.45	
01010	Campinamstown	olannin	256	273	297	41	16.02	24	8.7	156	52.53	141	47.47	125	96	9	9.38	
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01015	0 5 al felli	a 15 Min															6.82	
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01023	Maynooth	University Soc	ial Sc	ience	s Ins	titute	and	Dena	rtme	nt of	Geogr	anh	V 49.11				23.28	
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01034	daha ahaai		nd Maynooth	1 1			^ * ^	E	uropean Rese	earch Council							13.63	
01035	data stori	es						E	stablished by the Eu	ropean Commission							27.27	
01036 01037																	6.75	
	020 Dathan	20 Dath	444	100	444		3.70	40	0.50		50.44	282		179	151 46	28	18.54	
01038	038 Rathanna	38 Rathanna	111	126	114	3	2.70	-12	-9.52	65	57.02	49	42.98	49	46	3	6.52	

The Data Stories project



Investigating the underlying evidence base for housing, property and planning

These data are central to how places are understood and managed

They inform government policy, shape public perception, and guide billions of euros of investment relating to land use and development, public and private housing, homelessness, commercial real estate, and infrastructure

There is a wide variety of planning and property data held across numerous stakeholders, some of it made available as open data, though most of it is closed

Planning and property data ecosystem

Land

Land use, coverage, conditions, ownership, etc.

Planning

Development plans, zoning, permissions, enforcements, etc.

Stock

Numbers, type, floor area, beds, amenities, site size, Energy rating, vacancy, dereliction, obsolescence, architectural style, etc.

Household/population demographics

Size, composition, socioeconomic status, migration, etc.

Housing/development finance

Loans, mortgages, interest rates, taxes, grants, etc.

Housing management

(LAs/landlords)
Stock, tenants, payments,
maintenance, etc.

Construction activity

Units, commencements, stages, completions, etc.

Employment and materials

Workers, apprenticeships, courses, building supplies, etc.

Market activity and conditions

House prices, rental prices, transaction volumes, rates valuations, land values, landlord/tenant numbers, evictions, etc.

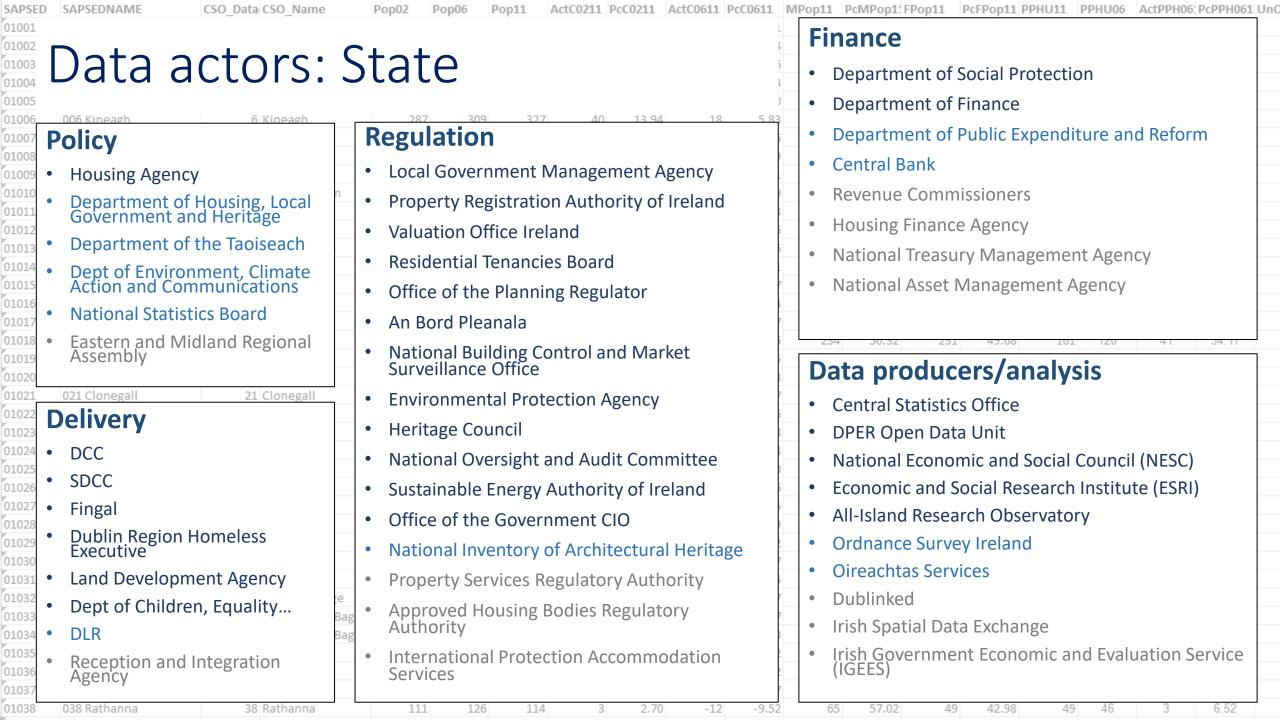
Homelessness; direct provision; refugee accommodation; Traveller accommodation; student residences; nursing homes

Housing actors

Agencies, developers, AHBs, landlords, realestate, banks, etc.

Contextual factors

Infrastructure,
Services, environment, etc.





SAPSEDNAME CSO Data CSO Name ActC0211 PcC0211 ActC0611 PcC0611 MPop11 PcMPop11FPop11 PcFPop11 PPHU11 PPHU06 ActPPH061PcPPH061UnC

Data actors: NGOs

Service providers/advocates

- Threshold
- Simon Community
- Focus Ireland
- Cluid

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- Crosscare
- Peter McVerry Trust
- Alone

NGOs

- An Taisce
- Irish Green Buildings Council
- Irish Refugee Council
- Irish Council for Social Housing
- Irish Architectural Foundation

Community advocacy

- Dublin Democratic Planning Alliance
- Inside Airbnb
- **Community Action Tenants Union**
- Students Union Ireland
- Uplift
- Raise the Roof Campaign
- Pavee Point Travellers Centre

Professional bodies

- Irish Planning Institute
- Royal Institute of Architects of Ireland
- City and County Architectural Association
- Society of Chartered Surveyors
- Institute of Engineers of Ireland

International

Regulation/scaling data

- **ESPON**
- Eurostat
- European Central Bank

Financial/investment

- European/Global real-estate
- European/Global investment funds

Consultancy/Analysis

- **KPMG Future Analytics**
- **Housing Europe**
- EY DKM

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038 Rathanna

38 Rathanna

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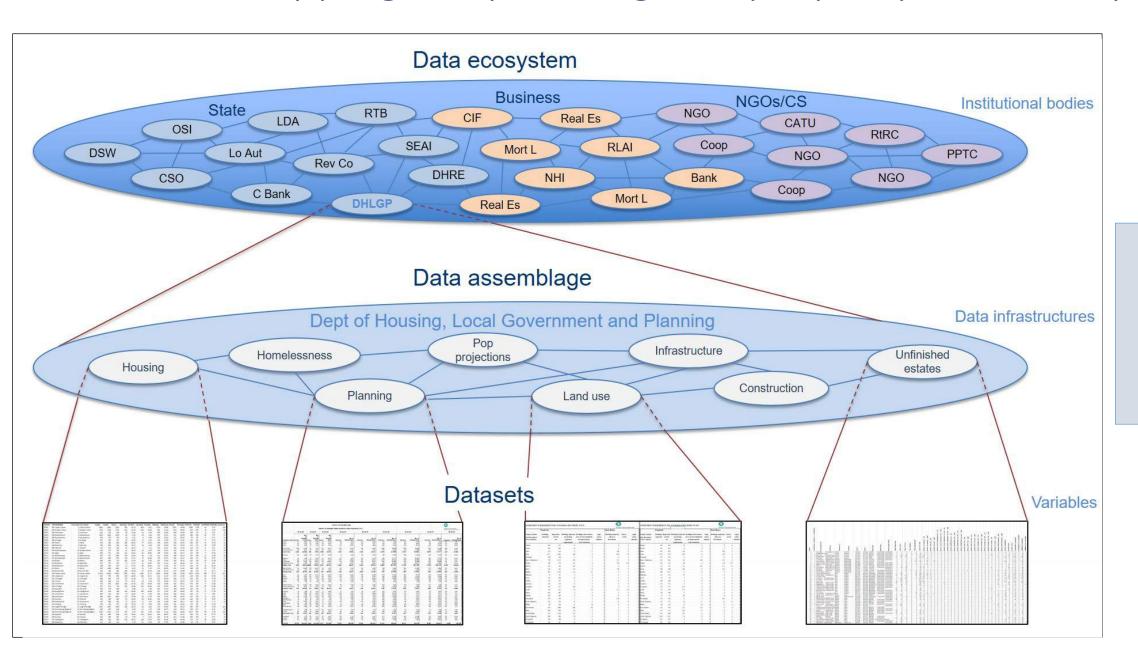
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-9.52

57.02

Phase 1: Mapping the planning and property data ecosystem



Knowledge Hub

Planning system at planning authority level

Strategic

(pre-development)

- RA: Regional Spatial and Economic Strategies
- RA: Metropolitan Area Strategic Plans
- LA: County Development Plan
- LA: Local Area Plans
- Environmental Report
- Natural Impact Report (NIR)
- Strategic Flood Risk Assessment (SFRA)
- Area Based Transport Assessment (ABTA)
- Statement of Character (SoC) for Architectural Conservation Area (ACA)
- Habitats Survey and Green Infrastructure Mapping
- Surface Water Management Study
- Urban Regeneration Framework
- Social Infrastructure Audit (SIA)
- Settlement Capacity Audit (SCA)
- Housing Need Demand Assessment (HNDA)

Development & Control

(development pipeline)

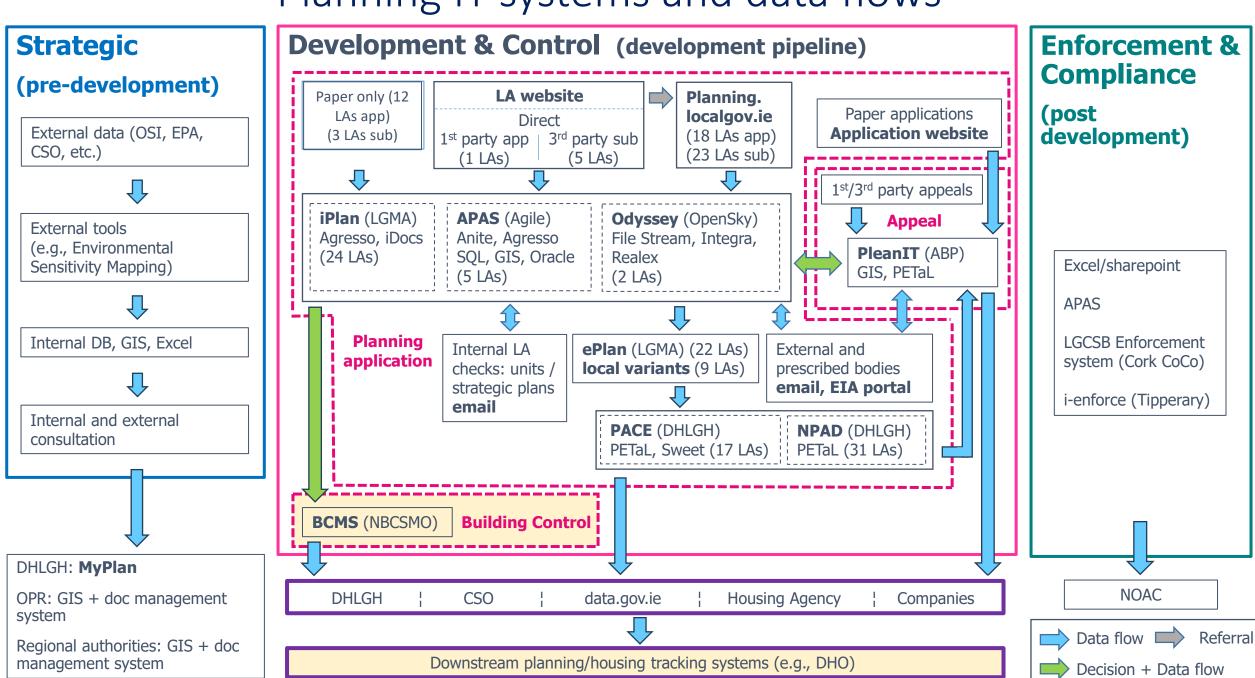
- Planning permissions
- Appeals
- Building control

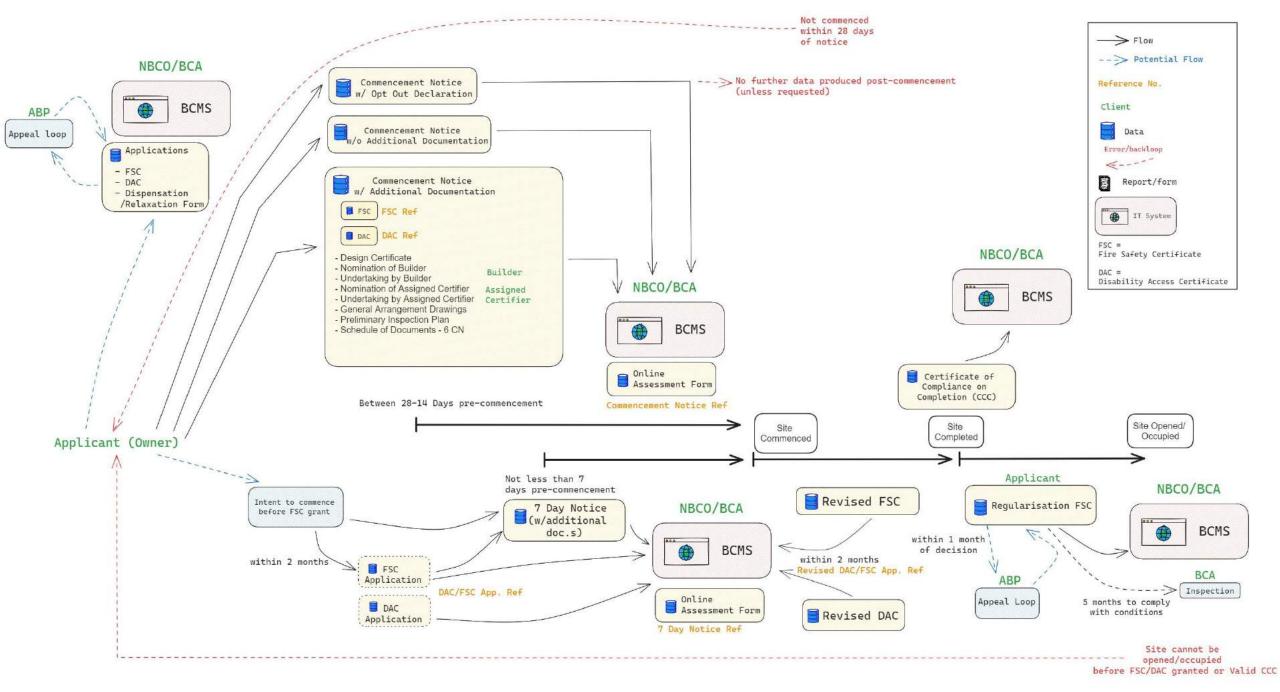
Enforcement & Compliance

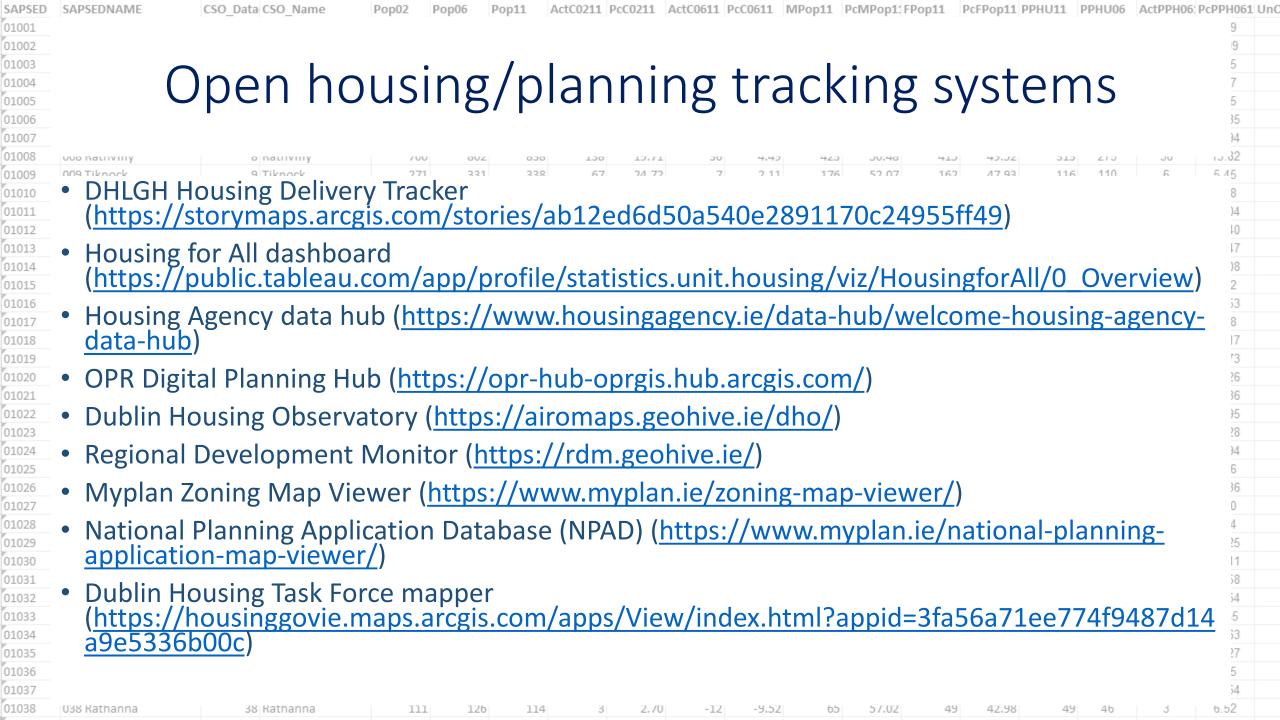
(post development)

- Inspection
- Retention
- Legal enforcement

Planning IT systems and data flows









Dublin Housing Observatory

https://airomaps.geohive.ie/DHO/

Zoning and planning (LAs)

Residential phasing
Unfinished housing
Planning applications
Strategic Housing
Development Applications

Infrastructure and services (Geodirectory)

Transport
Education locations
Health services
Amenities

Other (CSO, Census)

Household tenure, type, composition Vacancy

Year built

Heating, water supply

Population density

Social deprivation (POBAL)

Principal economic status

Family cycle stage

Nationality and ethnicity

Market conditions

RTB rental index (RTB)

RTB market profile (RTB)

HAP payments (DSP)

Property price index (PRSA)

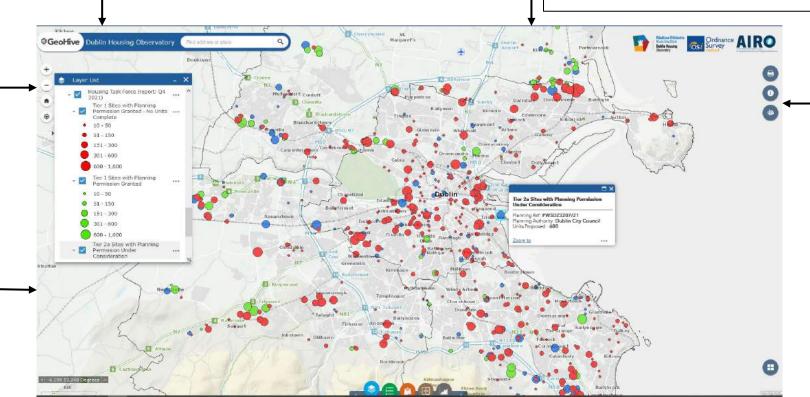
Local property tax bands (Revenue)

Construction activity (LAs)

Completions

Planning permissions grants

PP under consideration



Data issues in the planning system FloorArea <null>

- Variances in how systems are configured
- Variances in workflow across systems

CSO Data CSO Name

- Variances in how the same systems are being used by different LAs
- Variances in how LAs and individual operatives do data work
- Variances in data recording (classes, units, etc.)
 - Lack of consistency with how data are categorised across systems and across local authorities
- Just because fields are standard does not mean data entered are
- Lots of potential issues with system flow, error, potential points of failure
- Lack of consistent IDs that allow tracking across IT systems/pipeline



Development & Control: iPlan, APAS, Odyssey

Number	Sub-criteria	iPlan	Odyssey	APAS
Required field	total	296	63	26
	without duplicate	65	40	21
Modifiable field	total	961	616	215
	without duplicate	265	409	194
Type of field	total free text (number or text)	585	304	76
	without duplicate	163	190	68
	total Check box	9	48	55
	without duplicate	6	42	50
	total Drop down	135	206	38
	without duplicate	57	135	31
	total Date	232	58	46
	without duplicate	39	42	45

		iPlan	Odyssey	APAS
Report generation	Consultant report	х	x	х
	New report	х	х	х
	Existing report	х	x	х
	Supplementary report		x	
	Internal report	х	х	х
	External report	х		х
Application submission process	Planning Applications	x	x	х
	Main Location	х	х	х
	Planning Applications Details	х	х	х

Required fields

For applicant and application

iPlan	Odyssey	APAS
Address 1	Address 1	Address [Applicant/Agent]
	Address 2	
	Address 3	
Devt. Address		
Application Status	Status [Applicant]	
Submission Status		
Application Type		Application Type
		Development Type [Statistics Details]
	First name	Applicant
	First name [Applicant]	
	Last Name	
	Name & Address of Owner [Application]	
		Telephone [Applicant/Agent]
Proposed Devt		
Surname	Surname [Applicant]	
		E-Mail [Applicant/Agent]
		Plans Prepared By
		Legal Interest
Surname/ Company	Surname/Company	
	Company name	
	Address of Company [Application]	
	Brief description of case [Applicant]	
	Reg. No. of Company [Application]	
	Reg. Co. Director(s) name(s) [Application]	
Consultants Name		

LEGEND KEY: Consistent Methodology Break in Methodology No Data Collected

Table 2: Details of Performance Measurement Indicator Changes, 2014-19

Indic	ator	2014	2015	2016	2017	2018	2019
HII	Social Housing Stock						_
1	Number of dwellings provided by local authorities						
2	Number of dwellings in the ownership of local authorities at start of year						1.
3	Number of dwellings directly added (i.e., constructed or purchased) by local authorities to housing stock						
4	Number of dwellings in the ownership of local authorities at year-end						
5	Number of social housing dwellings in local authorities at year-end						
6	Number of directly provided (i.e., constructed or purchased) social housing dwellings in the ownership of local authorities at year-end						
7	Number of local authority owned dwellings sold in year						
8	Number of local authority owned dwellings demolished						
9	Number of local authority owned dwellings planned for demolition under D/HLGH approved scheme						
H2	Housing Vacancies			- 1			
10	Percentage of local authority owned dwellings vacant at year-end						
нз	Average Re-letting Time and Costs			111, 23			
11	Time taken (weeks) from the date of vacation of a dwelling to the date in year when a new tenancy had commenced in the dwelling, averaged across all dwellings re-let in that year						
12	Cost expended (€) on getting dwellings re- tenanted ready for re-letting, averaged across all dwellings re-let in that year						
H4	Housing Maintenance Cost						
13	Expenditure (€) during year on the repair and maintenance of housing bought or built by local authorities comptied on a continuous basis from 1 January to 31 December in that year, divided by the number of directly provided dwellings in the local authority stock at year-end						

Local Authority National Performance Indicator Trend Report, 2014-2019 (6 years)

87 sub-indicators, only 43 for all years

Housing 18 sub-indicators, 9 for all years, only 4 not altered

Number of original consistent indicators 2014-2019 and still in use	Number of original modified indicators 2014-2019 and still in use	Number of original indicators discontinued during period	Number of new indicators introduced during period and still in use	Number of new indicators introduced during period modified and still in use	Number of new indicators introduced but discontinued during period	Total
Column I	Column 2	Column 3	Column 4	Column 5	Column 6	
43	6	2	23	11	2	87
49%	7%	2%	26%	13%	2%	100%

Indic	ator	2014	2015	2016	2017	2018	2019
H5	Private Rented Sector Inspections						
14	Number of registered tenancies in local authorities						
15	Number of rented dwellings inspected by local authorities						
16	Percentage of inspected dwellings that were non-compliant with Standards Regulations						
17	Number of non-compliant dwellings that became compliant						
H6	Long-term Homeless Adults		-				
18	Number of adult individuals in emergency accommodation that are long-term (i.e., 6 months or more within the previous year) homeless as a percentage of the total number of homeless adult individuals in emergency accommodation at year-end						

CSO Data CSO Name ActC0211 PcC0211 ActC0611 PcC0611 MPop11 PcMPop1: FPop11 PcFPop11 PPHU11 **Statistical Geographies** x, y coordinates Key issues across data ecosystem **Building ID** Planning ID Ref No Eircode Access and openness Estate name Street address • Data continuity (time), stability (definition) and consistency Small areas (across agencies) Townlands **Parishes** • Interoperability: indexical data and statistical geographies **Electoral Divisions** • Gaps: scope and coverage Municipal districts Settlements Spatial/temporal resolution Local Electoral Areas Eircode routing key Data quality and accessible metadata Constituencies Representativeness and error: extent data reflects reality Local authority Counties Methodological transparency and opacity of data systems Gaeltachts • Data disputes (e.g., vacancy, commencements, completions, build Regions 1 (NUTS3) Regions 2 (NUTS 2) costs, number of landlords, homelessness) **Provinces** Capacities, skills, resourcing State (NUTS 1)

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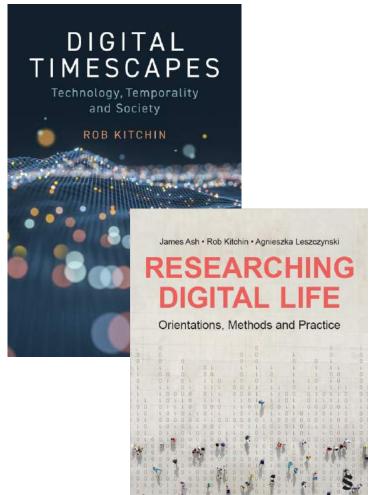
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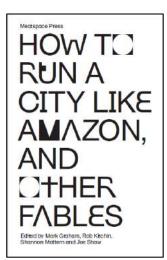
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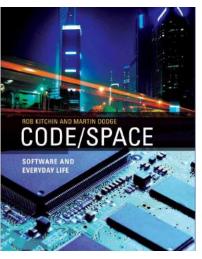
CSO Data CSO Name Potential value Yes, there are lots of issues But there is also an enormous amount of useful data hidden and locked in systems – across state, business and civil organisations Question is how to improve and open those data? 01018 01019 01020 01021 • First step is to: chart the data ecosystem – within systems and how data flows and is transformed across systems Understand what the various issues are and work out how to fix them 01030 That's what we're trying to do on the Data Stories project 01031

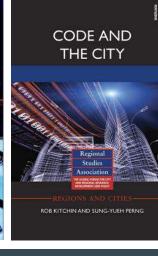


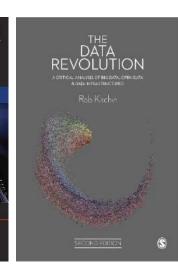
Rob.Kitchin@mu.ie https://www.maynoothuniversity.ie/people/rob-kitchin

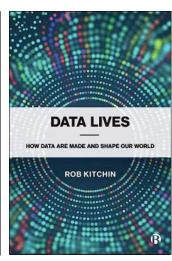


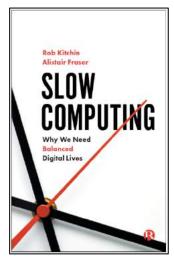


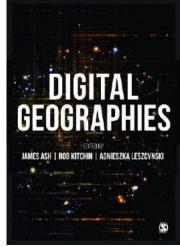


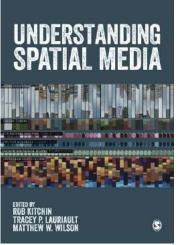


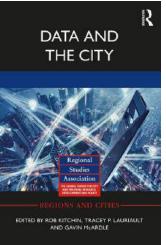














Phase 2 Producing Data Stories

12 Case studies

- Interviews
- Walk-through observation
- Ethnographies
- Research-creation
- 3 data stories per case study

