Open/Big Urban Data

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The Programmable City progcity.maynoothuniversity.ie



Social Sciences Institute

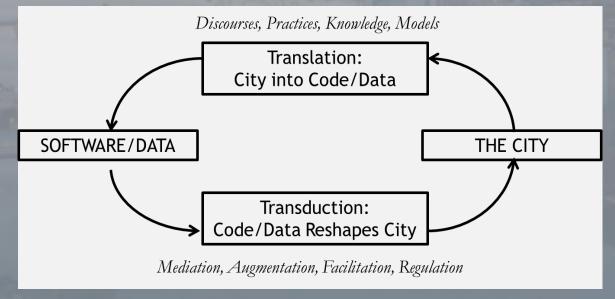






3 Case studies

- Open Data (Canada, Ireland)
- Homelessness Intake Systems (Dublin, Ottawa, Boston)
- Data Model Ordnance Survey Ireland





Critical Social Science Science Technology Studies

New media studies Game studies

HCI, Remediation studies

Surveillance Studies

Critical code studies

AI/Machine Learning

Software studies

Critical data studies

Platform studies

Digital socio-technical assemblage

System/process performs a task

Reception/Operation (user/usage)

Interface

Code/algorithms (software)

Flowline/Lifecycle

Data(base)

Code Platform (operating system)

Material Platform (infrastructure hardware) Context frames the system/task

Systems of thought

Forms of knowledge

Practices

Finance

Political economies

Governmentalities legalities

Organisations and institutions

Subjectivities & communities

Marketplace



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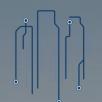
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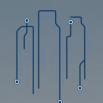
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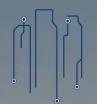
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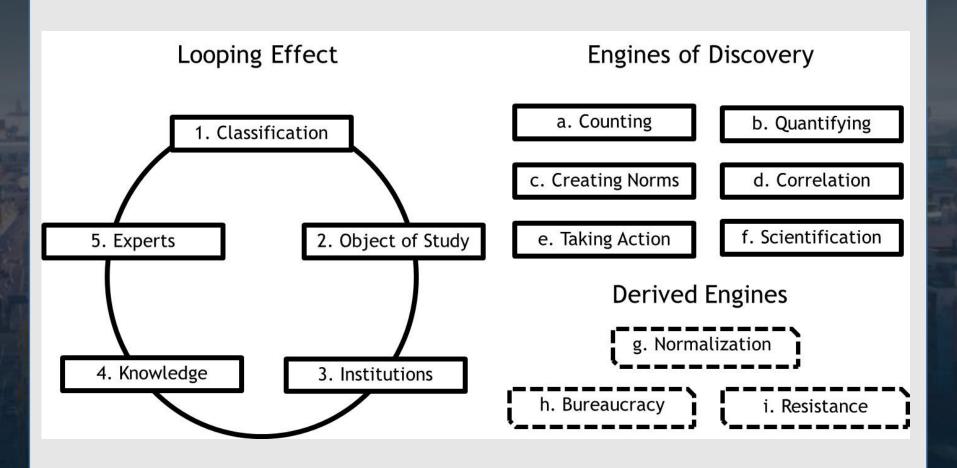
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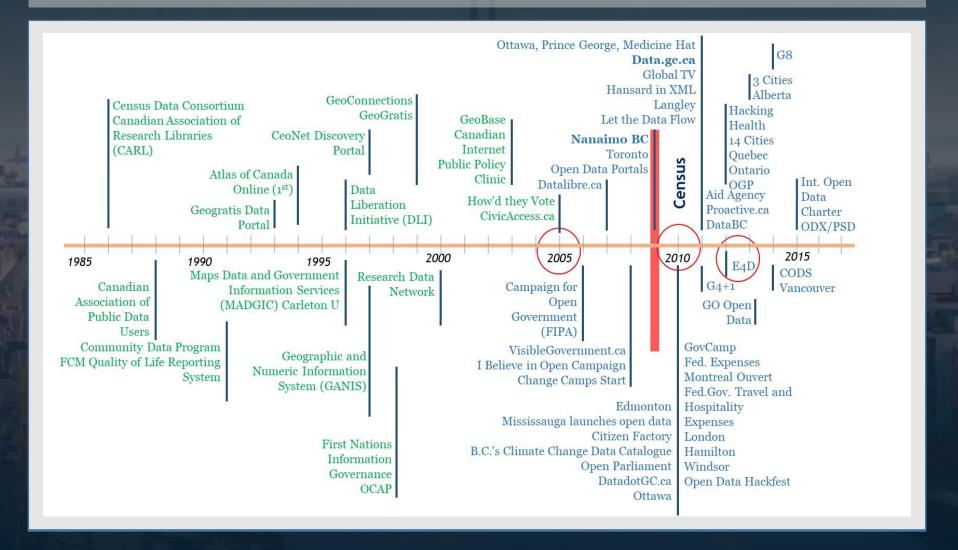
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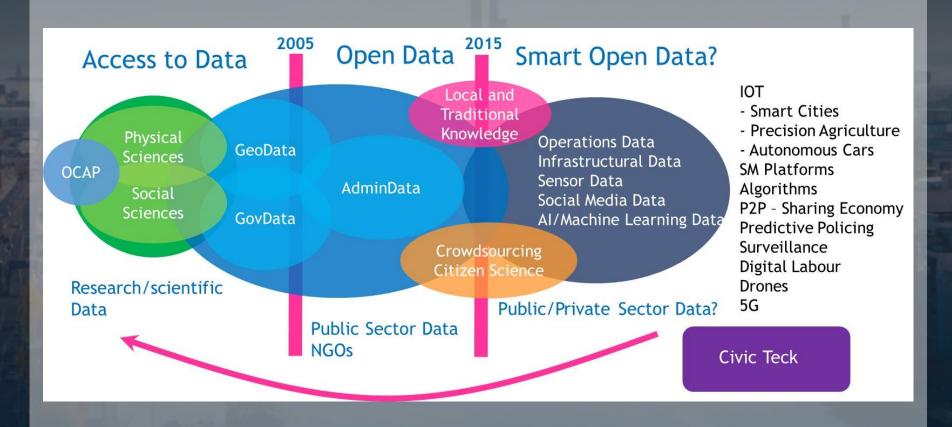






Key findings

Open Data





Ottawa, Canada Homeless Individuals & Families Information System (HIFIS)



Boston, US, Homelessness Management Information Systems (HMIS)

2014 HMIS Data Standards
Universal Data Element
Definition Training

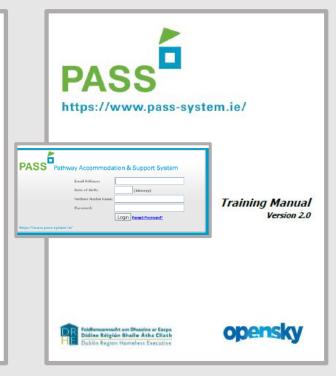
BostonHMIS

Continuum of Care (CoC)
HMIS Program
Manual

Released September 2017

U.S. Department of Housing and Urban Development

Dublin, Republic of Ireland
Pathway Accommodation and
Support System (PASS)





Data Model – Ordnance Survey Ireland



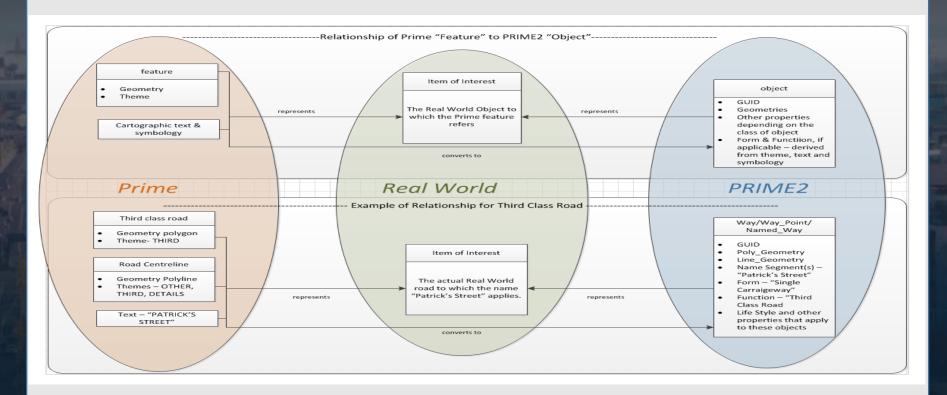


Data Model – Ordnance Survey Ireland

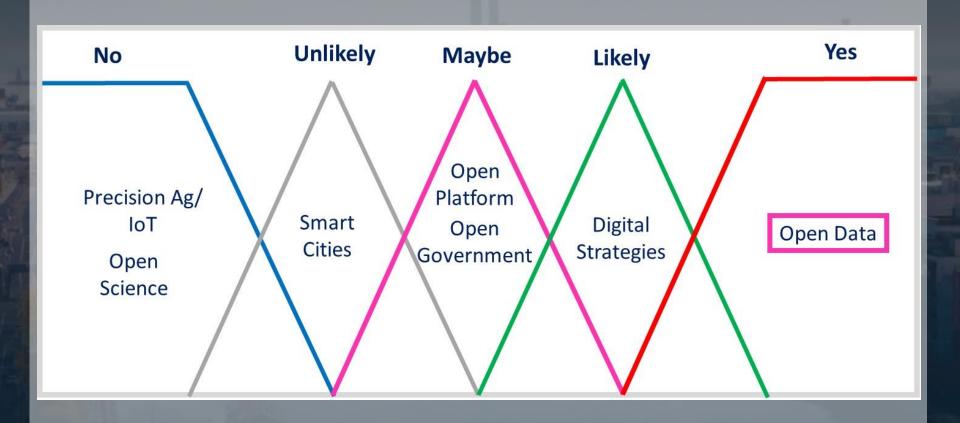




Data Model – Ordnance Survey Ireland













Canada's National Housing Strategy



A place to call home



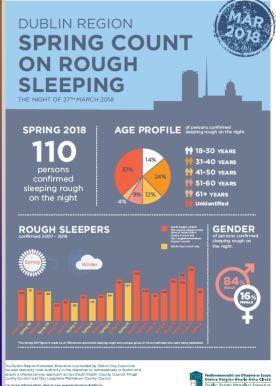
placetocallhome.ca Canada

The Annual Homeless Assessment Report to Congress



February 2007

U.S. Department of Housing and Urban Development
Office of Community Planning and Development





Key lessons





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The Daft.ie Rental Price Report

An analysis of recent trends in the Irish rental market 2018 O1





Key lessons

Models shape

- · how the world is viewed
- the world of work
- tools & techniques
- the structure of an organization
- how organizations interconnect with others
- Models augment space
- Models are socially constructed by people













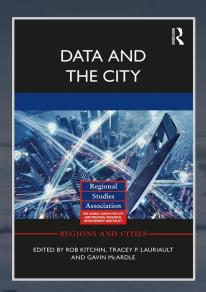
Data and Technology are social, technical and political artifacts, than are more than the unique arrangement of objective and politically neutral facts & things

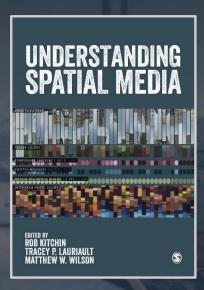
that do not exist independently of ideas, techniques, technologies, systems, people and contexts regardless of them being presented in that way.

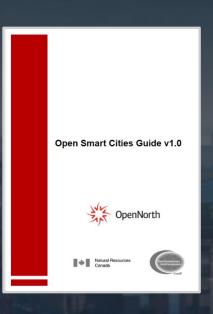
(Conclusion

We live in a technological society that is data driven, and to be responsible technological citizens we need to know about socio-technological assemblages so that we may act as agents to better mobilize data and technologies when warranted in an ethical, accountable and transparent way to govern cities as a fair, viable and liveable commons and balance economic development, social progress and environmental responsibility for all of us.

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Established by the European Commission

