

Sustainable Local Government Approaches..



Our world is Changing...



Graduate



Teacher



Engineer



ICT Manager



Directorate



CEO



CTO

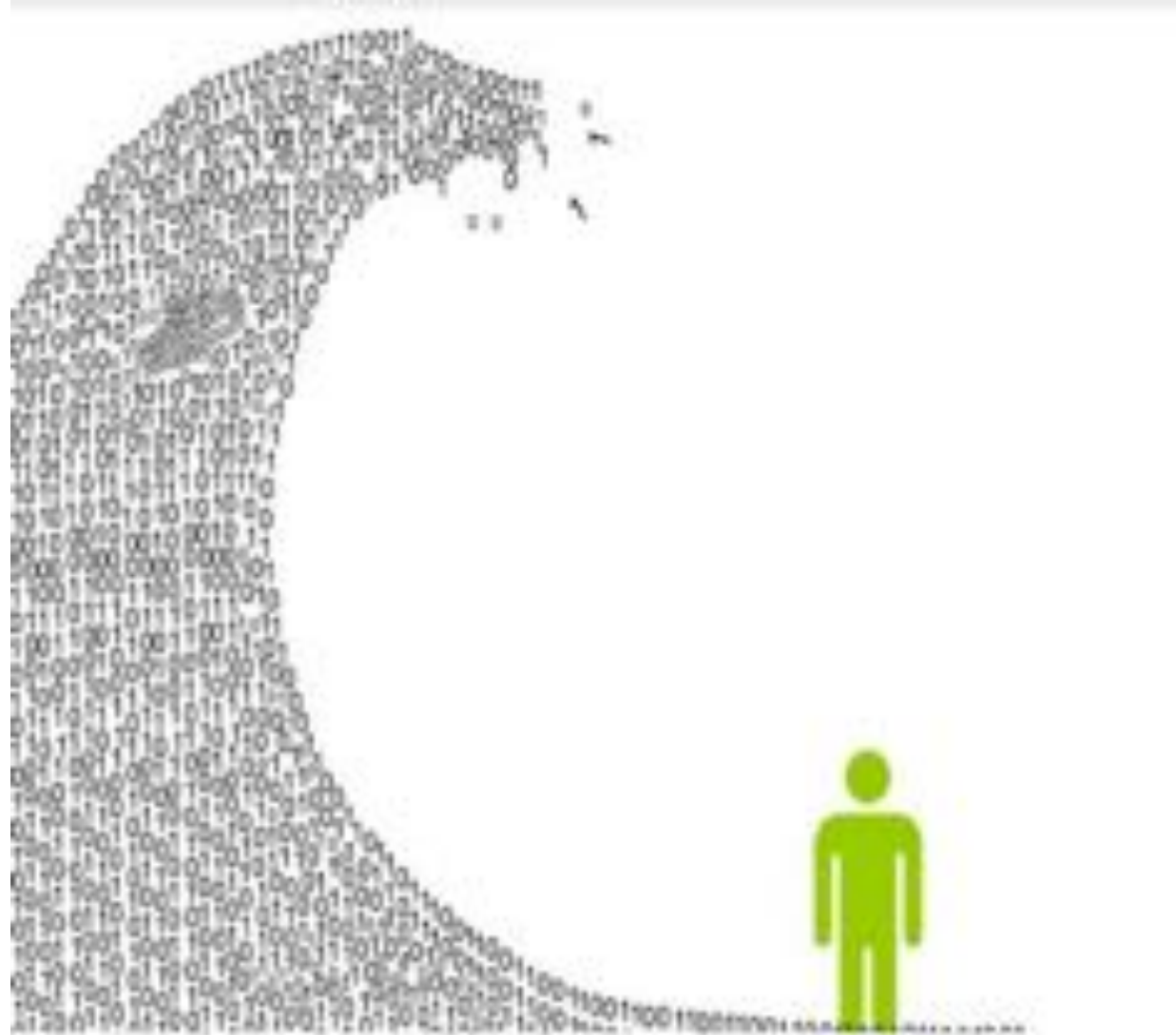


Change and Technology only move in one direction

We are now in the future....



Big Data



Internet of (SCARY) Things...

```
-----UPDATE-----
> You have 15 pairs of underwear left.
    [Ok] [buy more underwear] [find help online]
> Your cat checked in at the litterbox.
> Your microwave just heated a lasagna.
> Record: You stared out the window for 23 minutes.
    [Ok] [post your score]
> Your couch likes your microwave's status update.
> It's raining again.
    [Ok]
> 15 of your things are broken.
> You haven't left the house in 5 days.
    [Ok]
```



Evolution of the Desk

1980

every minute last year the world's internet users

- three billion of us –
- sent 204 million emails,
- uploaded 72 hours of YouTube video,
- undertook 4 million Google searches,
- shared 2.46 million pieces of Facebook content,
- published 277,000 tweets,
- posted 216,000 new photos on Instagram
- \$83,000 on Amazon



**C is for
Change**

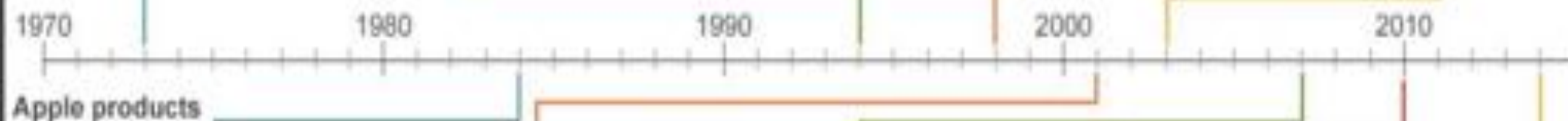
A LEGO Clone Trooper with red and white armor stands in the center, holding a white sign with black text. The sign reads "C is for Change". The trooper is surrounded by several smaller LEGO Clone Troopers, some of whom are kneeling or sitting on the ground, listening. The scene is set against a black background with a light brown surface.

The World has changed...



We live in a
Selfie
Generation





What do these companies have in common..



No Cars



No Content



No Real Estate



no Inventory

Business Models based on Data Culture and Cloud

- Shared Services to the Local Government Sector in Ireland
 - Procurement
 - ICT
 - HR and IR
 - Business Technical support and shared services – Finance, Payroll, Planning, Housing, Libraries etc
 - Shared service bureaus
 - Office for Local Authority Management (OLAM)



Change?

- Effect on Local Government
- 30k less in the public sector / 3.4bn in payroll savings...
 - DPER / OGCIO
 - Staffing – (Employment Control Frameworks (ECF) / Haddington Road) 28% reduction
 - Budgets / 25% reduction in Budget (2009 – 2013)
 - CIO Council / National ICT Strategy
 - Reform Agenda (Programme for Government)
 - Local Government reform (PPF)
PMO / LGER
- Local Government IT
 - Staffing
 - Maintain Skills / New Skills
 - Local Budgets
 - Mergers and Amalgamations
 - 31 Comms Rooms / Data Centres



Burning Platform??? – Create a Sense of Urgency...



Guiding Coalitions

- CIO Council / OGCIO
 - Cloud Procurement
 - Gcloud?
 - Government Networks?
- Office of Government Procurement
 - Category Council
- PMO / LGER
 - Shared Services
 - Shared Technology Platforms
 - Shared Delivery
 - BPI
- LGMA Role
 - Shared Services



New Local Government?

- PPF - Putting People First
- 3 Mergers
 - Limerick, Waterford, Tipperary
- 54 Amalgamations
 - Town Councils
- CDB -> LEO
- Rezoning
 - Carlow / Kilkenny / Waterford, Meath / Louth
- Reviews
 - Cork
 - Galway

Shared Services – it means many things...

- Leadership
- Change Management
 - Business as Usual, Cultural Shift, Continuous Improvement, Responsibility and Service Mapping
- Measurement – Measuring the Right Things
 - Selection, Cost Savings, Growth, Delivery
- Governance
 - Managing expectations, Innovations and Supplier Push
- Opportunity?
 - Reduce Complexity, Outsource Technology, Augment Services, Cloud Benefits
 - SHARING – Shared Services means SHARING....

We can rely on change..

- Abolishment of Town Councils –creation of Muni Districts
- Local Enterprise Offices
- Creation of Irish Water
- OGCIO / OGP
- Shared Services (PMO –Payroll, Treasury Management..... NPPR / HC)
- LG sector Saves 109m in procurement (2010 – 2012)
- Outsourcing – LPT, Drivers License, HEG
- OGCIO – Cloud and eGov Strategies
- Digital First, Digital by Birth, Digital by Default....
- New Local Gov Systems – MyPlan, FixYourStreet, NPPR, HC, POW, BCMS
- Open Source - New Models?
- Cloud v's On Prem



Lots of Strategies...

- Public Sector Reform Plan
 - public services to be delivered faster, better and more
 - Intelligent, targeted use of ICT and eGovernment are key enablers for these improvements.
- eGovernment Strategy
 - services through multiple channels;
 - improve data sharing;
 - develop a more integrated approach within and across sectors
- Cloud Computing Strategy
 - Digital First, Digital by Birth, Digital by Default...
 - data centre consolidation
 - adoption of cloud computing
- Public Service ICT Strategy
 - Build to Share
 - Digital First
 - Data
 - Improve Governance
 - Increase Capability



Sustainability in Local Government ICT

- Virtualisation
- Consolidation of Data Centres
- Rationalisation
- Move to Shared Services
- Move to Cloud Services
- Reduction in ICT
- REUSE – Copy Others





Radical Change is happening
With or Without your input / approval



Demands



Resources

Shared Services – the future is here

- Libraries
 - Cloud System / Single Interface for all
- Housing
 - Stock Surveys – Handhelds –Android
 - HAP – Housing Assessment Programme
- Corporate
 - FixYourStreet – An OSS Application using Ushahidi (SDCC)
 - Corporate CRM – Back end to FYS and more (Cork, Limerick, Meath etc etc)
 - Open Office – Galway City replaced 250 desktops
 - Data.localgov.ie
 - WWW.LocalGov.ie – almost all Las have Drupal Website live in some area.
 - MyPay
- Roads
 - Road Opening Licenses / Online Roadworks Control
- Planning
 - Cork Co Co have Offered Odyssey
 - BCMS
 - Enforcements / Inspections
- Finance
 - ePayments



Understand What the Citizen Wants?



What Government Delivers



**MEANWHILE AT VW'S EMISSIONS
TEST CENTER**

THATS ANOTHER PASS 

The era of sitting at a desk using a corporate PC is fast coming to an end...*it is no longer tenable...*

Computing power, creativity and Innovation is migrating to the edge towards the individual globally...





Third Platform



They see IT as
'personal' and not
'corporate' -

*They think work and act
differently...*

Open Source RFI

- Open Source hasn't happened, because, open source hasn't happened.
- There is no Open Source in Ireland
- We have to “do” something
- If Government creates a Demand – Supply will happen
- Donald Rumsfeld

THERE ARE KNOWN KNOWN
THERE ARE THINGS THAT WE KNOW THAT WE KNOW. THERE ARE
KNOWN UNKNOWN
THAT IS TO SAY, THERE ARE
THINGS THAT WE NOW KNOW WE DON'T KNOW
BUT THERE ARE ALSO
UNKNOWN UNKNOWN
THERE ARE THINGS
WE DO NOT KNOW
WE DON'T KNOW
AND EACH YEAR WE DISCOVER
A FEW MORE OF THOSE
UNKNOWN
UNKNOWN



Local Government adoption of open source

More and more public-sector organisations around the world use open source software!

Benefits IT portfolio -

Vertical Software that

- 1. Reduces total cost of ownership**
- 2. Provides higher stability**
- 3. Provides increased security**
- 4. Gives greater overall control**

Horizontal Software

utility software used across industries and includes, messaging, e-mail, collaboration tools and generic business application toolsets shown below.

Horizontal

CRM / Web / CMS / Office Automation
Document Management / Database
Graphics / GIS / Project Management

Vertical

Housing / Planning / Roads
Water / Library / Auditor
Fire / Risk Management
Community
Local Economy
Public Lighting
Franchise
Environment





THE
SAME
OLD
THINKING

THE
SAME
OLD
RESULTS



Huge Centralized System Programs

*have a history of under delivery
very high costs & cannot
meet our varied and
dynamic future
needs*

Big government & big companies favour big solutions...

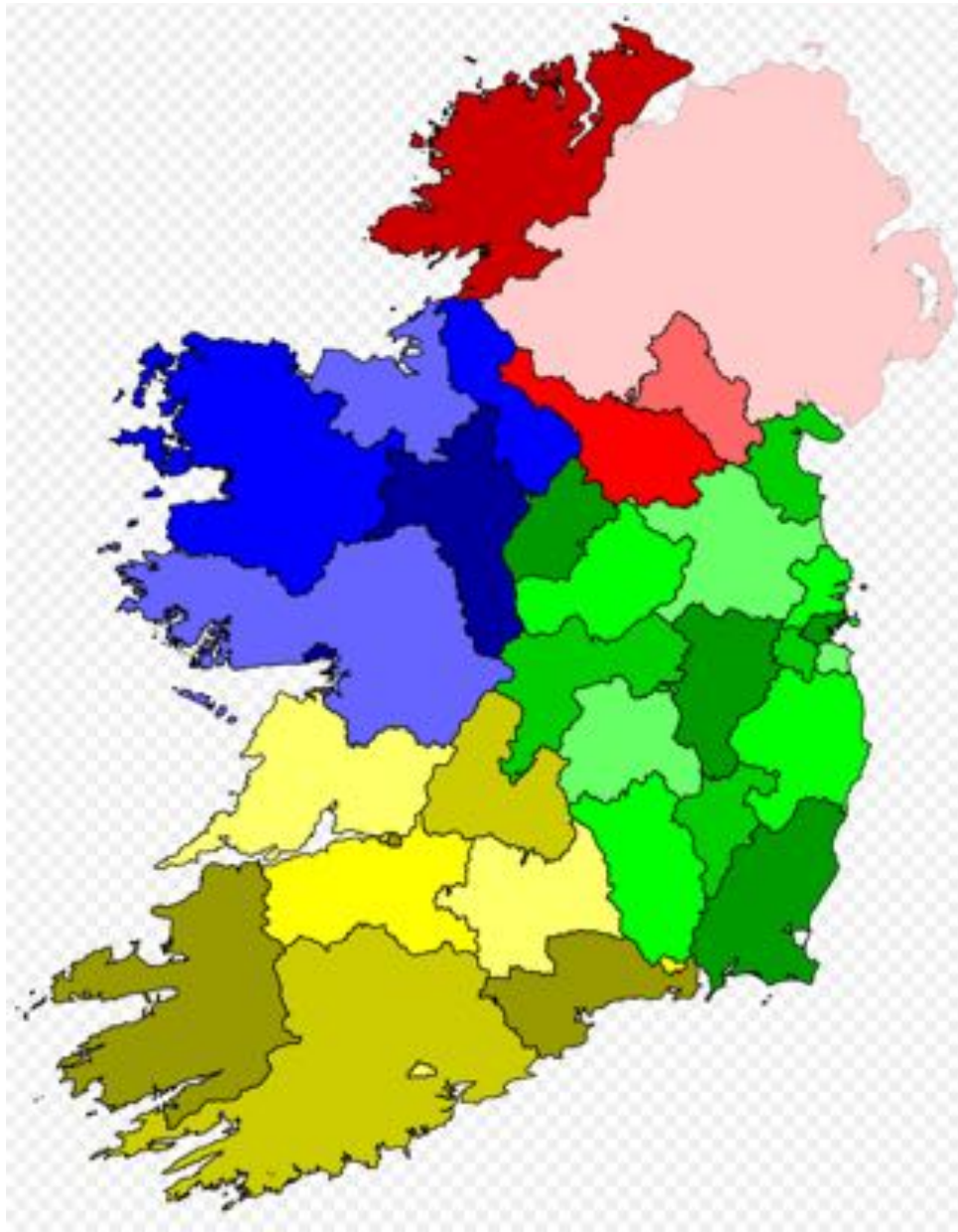


When something much smaller will suffice, or even do the job far better!



Case Study

Local Elections....



Problem

Over 400 Local Electoral Areas / LEA

34 Local Authorities

38 Count Centres

3.2m Voters

Desire

To have all of the Count Data available
as open data as the local counts
happen...

Solution?

1. Set up a Dropbox Account for each LEA



2. Each LEA set up as Separate Folders

Dropbox > Elections > 2014 > LA > Carlow >

Name	Date modified	Type	Size
262	15/06/2014 21:36	File folder	
277	15/06/2014 21:36	File folder	
temp	24/05/2014 09:51	Text Document	





Dropbox > Elections > 2014 > LA > Fingal >

Name	Date modified	Type
232	26/05/2014 11:50	File folder
292	26/05/2014 11:50	File folder
363	26/05/2014 11:50	File folder
414	26/05/2014 11:50	File folder
453	27/05/2014 08:43	File folder



3. Agree and Set up Standards for data

Dropbox ▸ Elections ▸ 2014 ▸ LA ▸ Fingal ▸ 232

<input type="checkbox"/> Name	Date modified	Type	Size
 Candidate	24/05/2014 20:25	Microsoft Excel C...	7 KB
 ConstituencyCount	24/05/2014 20:25	Microsoft Excel C...	1 KB
 Count	25/05/2014 14:09	Microsoft Excel C...	34 KB
<input type="checkbox"/>  NonTransferable	25/05/2014 14:09	Microsoft Excel C...	1 KB

4. Set up way of Publishing Data.....



Select the constituency, then click on the map for more information



Select Constituency



Tweets

[Follow](#)

Local Election 3 Jun
@LocalElections2014

New visuals added - Pie-charts of 1st preference and total party vote + chord diagrams of vote transfers now live on data.localgov.ie

Expand

Local Election 27 Jun
@LocalElections2014

data.localgov.ie is back up and running. Issues with certain feeds have been addressed.

Expand

Local Election 27 Jun

Tweet to @LocalElections2014

LEA Dev 8 2014 09

Select Constituency

Carlow County

Cavan County

Clare County

Cork City and County

Donegal County

Dublin City

Dun Laoghaire-Rathdown Co.Co.

Fingal Co.Co.

Galway City and County

Kerry County

Kildare County

Kilkenny County

Laois County

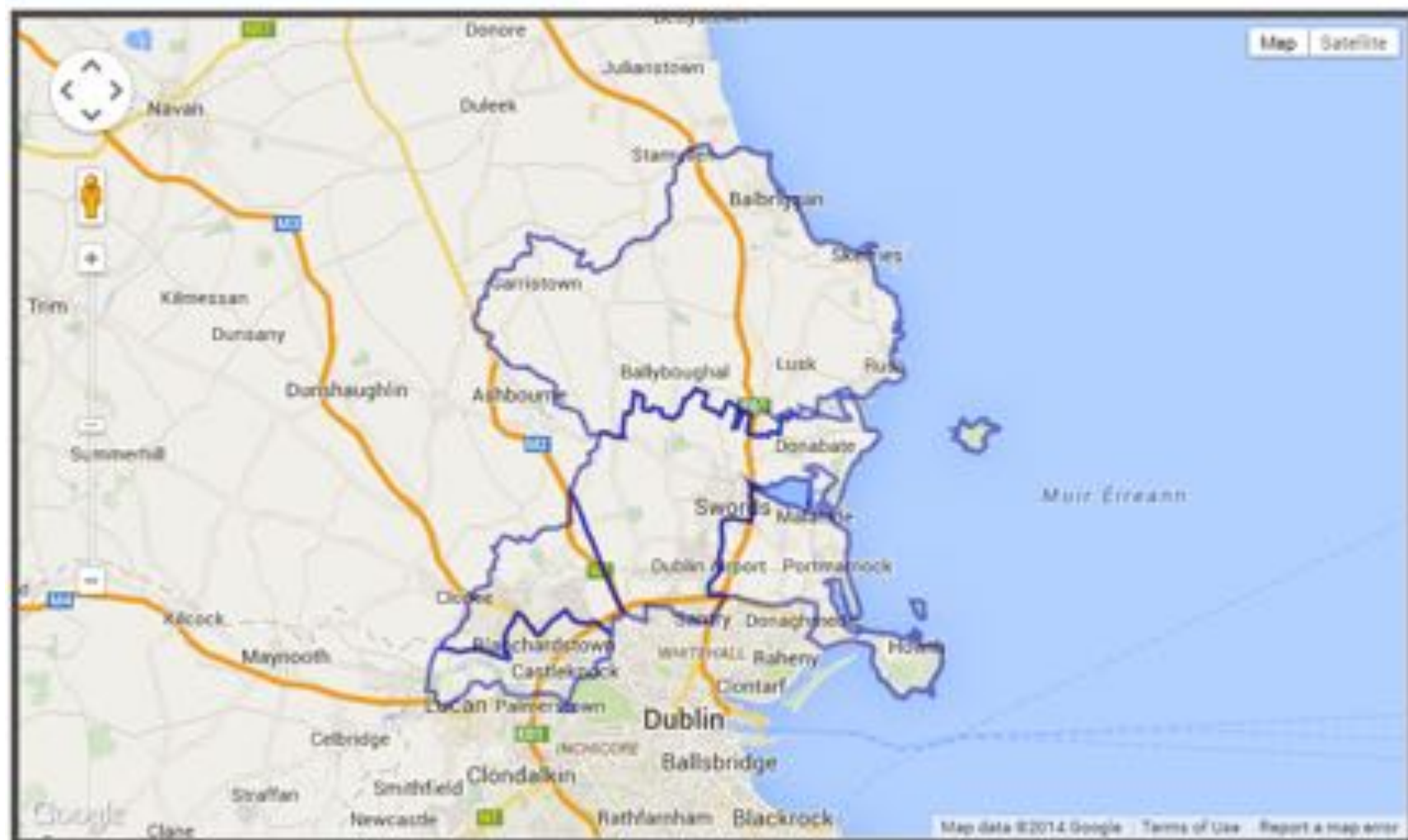
Leitrim County

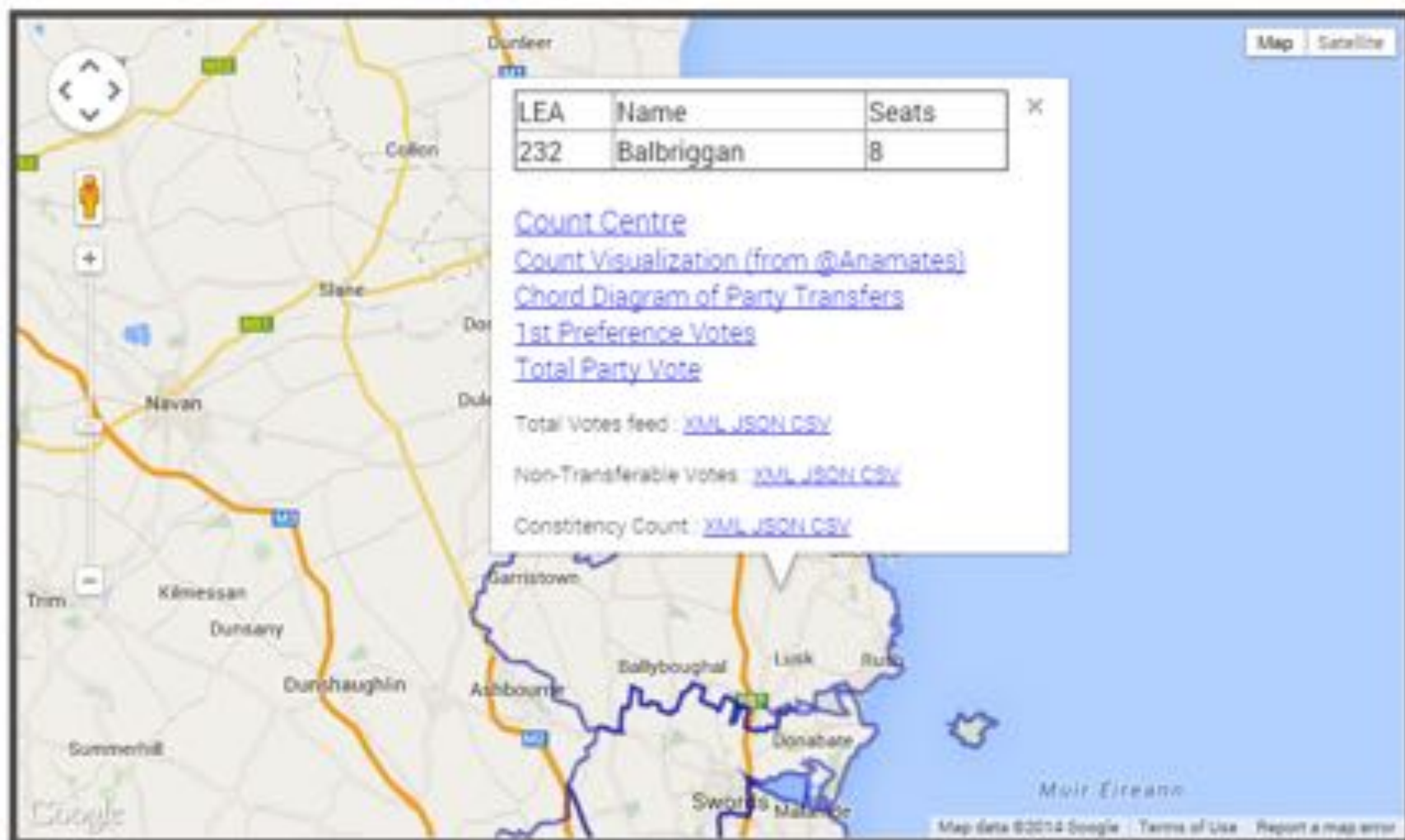
Limerick City and County

Longford County

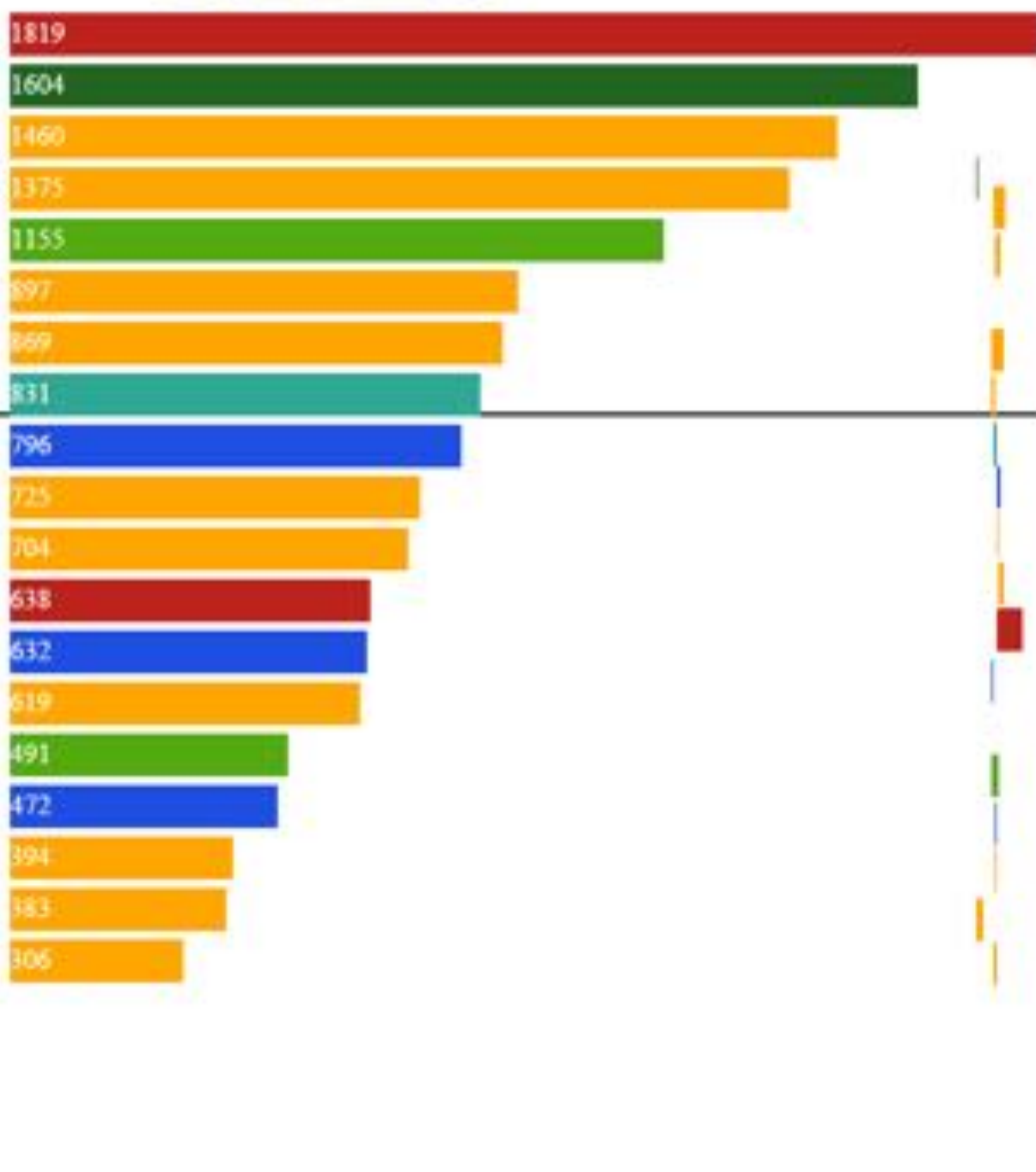


Fingal Co.Co. ▾





(LAB) KEN FARRELL
 (SF) MALACHY QUINN
 TONY MURPHY
 DAVID JAMES O'CONNOR
 (FF) BRIAN DENNEHY
 GRAINNE MAGUIRE
 BARRY MARTIN
 (GP) JOE O'BRIEN
 (FG) J. P. BROWNE
 CATHAL BOLAND
 RICHARD DAVIS
 (LAB) CIARAN BYRNE
 (FG) JANETTE MC NAM...
 TERRY KELLEHER
 (FF) DARRELL MOONEY
 (FG) TOM O'LEARY
 DENISE PARKER
 FRANK SNOWE
 GARRETT MULLAN
 (LAB) PEADAR OKELLY
 NIAL Keady
 MAURICE SWEENEY
 (FG) JEAN FAY BRADY

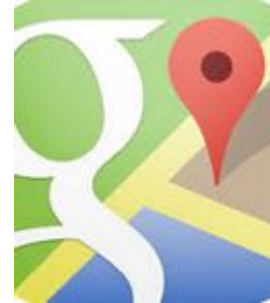


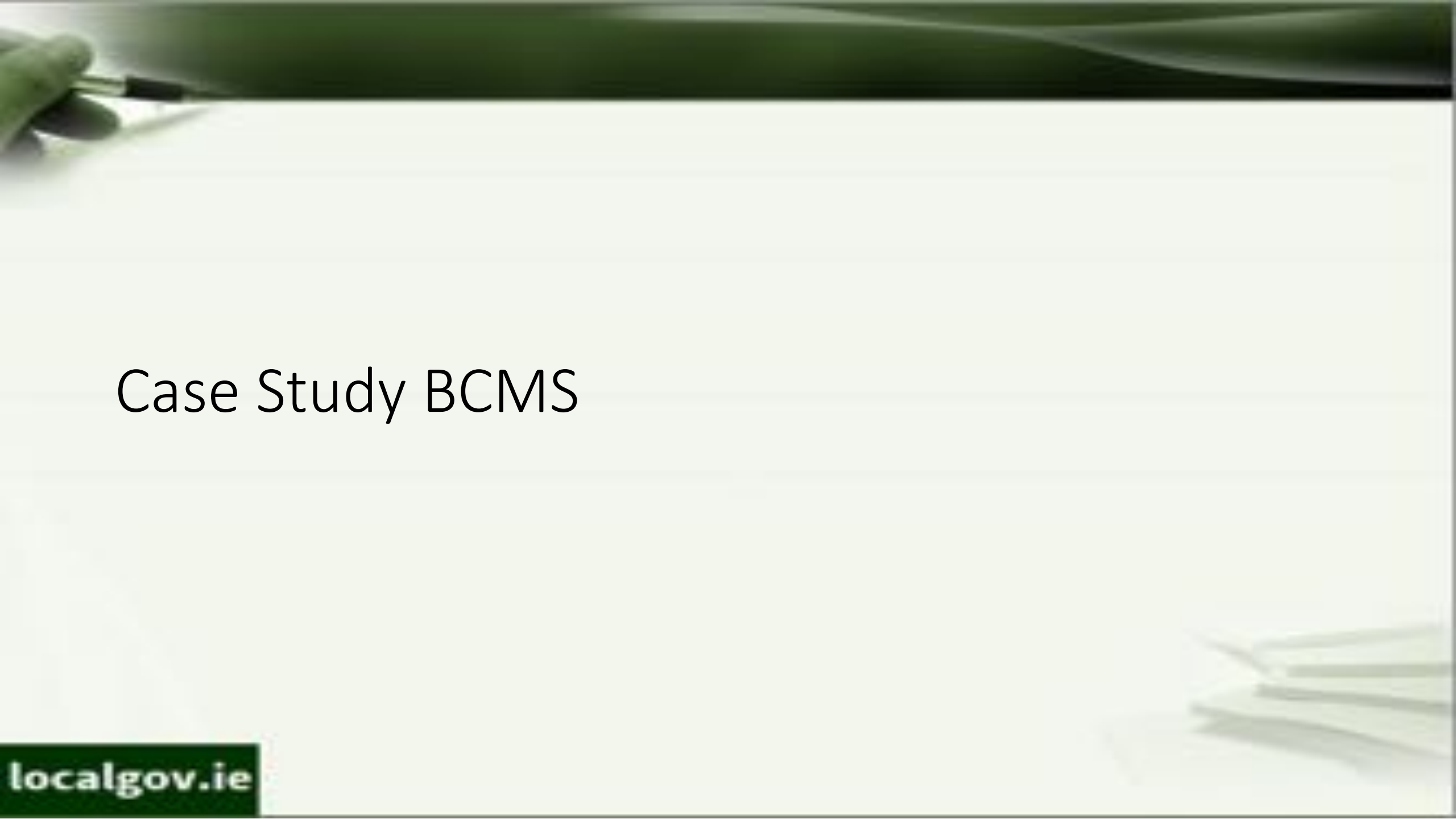
Data collated

Data Stored

Data Mapped

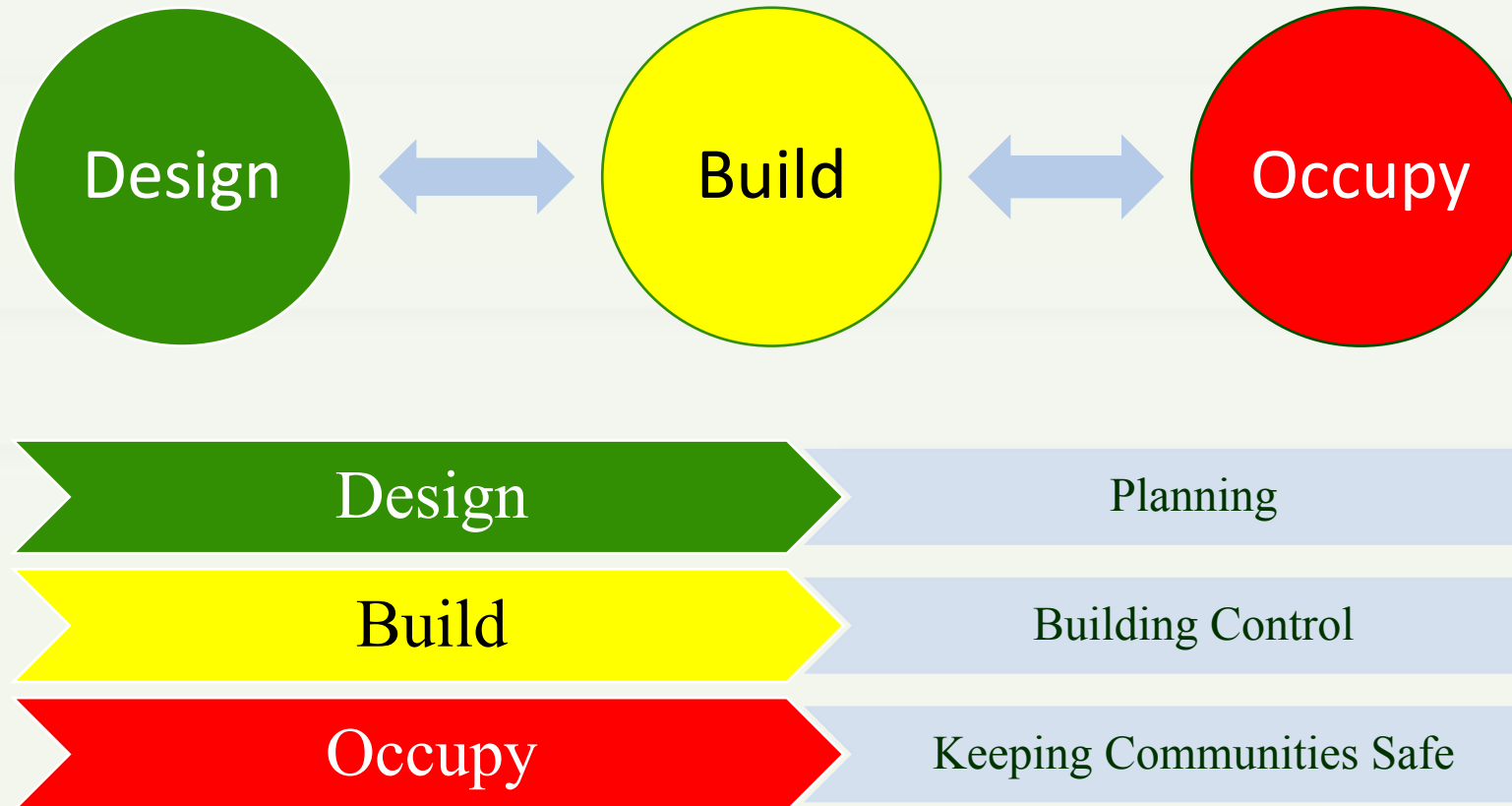
Data Socialised



A hand holding a pen is visible in the top left corner, writing on a notepad. The notepad has several horizontal lines. The background is a light, textured surface.

Case Study BCMS

Life Cycle Strategic Management



Timeline

- Minister Decision on new Legislation October 2013
- New Legislation to be in place (live) 1st March 2014
- LGMA told to do development Mid October 2013
 - 2 Tenders – Front end / Back End
 - Front end has to be ready for 1st March – Registration / Forms / Payments
 - Back end has to appear to be ready 1st March – not scale required
 - Single Infrastructure / Data Infrastructure / ePayments in place
 - Legislation still being finalised on 28th February 2014
 - System Live on March 1st “2014
- To date
- 320,000 Documents, 17000+ Commencements, €3m fees

WHY A NATIONAL BCMS

◆ Governments Vision for Reform

- Public Service Reform Plan
 - Action Plan for Jobs
 - Construction 2020
 - S.I. 9 of 2014
 - Shared resources

◆ Consumer Protection

- Health & Safety in or about buildings
 - Sustainable buildings
 - Access & Use
 - Quality Construction
 - Transparent standard approaches



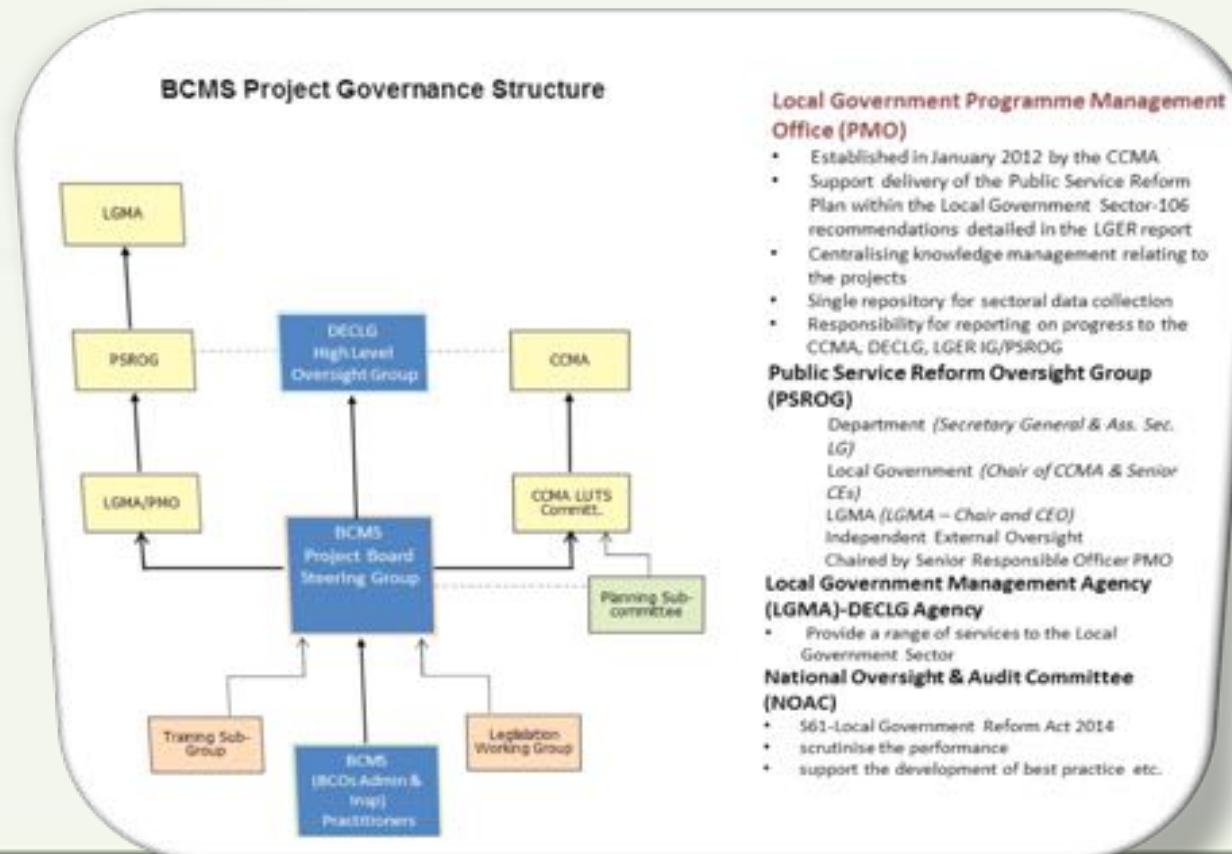
BCMS-Sector Design & Oversight

◆ BCMS Project Board

- PMO/CCMA
- LA Practitioners
- IBCI
- RIAI/EI/SCSI
- CIF
- CFA
- NDFEM

◆ BCMS Steering Group

- PMO
- LA BCOs
- LA Administration
- IBCI
- CFA



FRONT-END



LA Process Management
SugarCRM Based
Household Charge Infrastructure
Takes Data from Drupal
Back Office Functions

Public Interface
Drupal Based
Use Existing Local Government Portal
Reusable Components
Registration
Forms
Document Upload
ePayments

BCMS-Business Plan-6 Key Modules

- **Module 1-** Registration; Owners, Builders & Designers, Professionals.
- **Module 2-** Notification System; Prescribed Certification of works.
- **Module 3-** Guidance Templates; Good Practice & Knowledge Sharing.
- **Module 4-** Inspection; Monitoring & Assessment- Risk Based Inspection
- **Module 5-** Enforcement.
- **Module 6-** Reporting-Accessible Information

◆ Centre of Excellence

- Governance
- Guidance –shared learning
- Risk, Compliance, Inspection / Enforcement

◆ IT Enabler-

- Business Process (BPM)- flexibility
 - Registration
 - Notices
 - Payments
- Data Analytics- Intelligence
 - Register
 - Service Indicators
 - Risk-Assessment
 - Search-active current state inventory
- Cloud –Government cloud
- Collaboration
 - RAPEX notifications etc.
- Mobility
- Hand-held inspection devices

Shared Services – SHARED SERVICE CATALOGUE..

localgov.ie - BETA

Welcome to localgov.ie your one stop shop for accessing local government services.

Service *
Find Service Search

BCMS
From 1st March 2014 property owners, builders, developers, architects and engineers can submit notifications, applications and compliance certs through the online BCMS system

Community And Culture
Includes libraries, sports facilities, parks, community spaces and arts

Education And Learning
Includes Road safety, Green schools and Grants

Housing
Social housing, landlord information and environmental health

Your Council
Local councillors, voting, management teams and Freedom of Information (FOI)

Local Government Initiatives
Includes FixYourStreet, gPlan, Check The Register and OpenData

Planning And Buildings
Includes planning permission, development plans and building control

Customer Services
Includes online services, downloadable forms and contact information


Environment
Includes waste facilities, fire services, conservation and emergency planning

News And Events
Local news and upcoming events taking place in your area

Roads And Traffic
Road networks maintenance and development, traffic management and parking fines

Water And Drainage
Includes drinking water supply and quality monitoring, drainage network management and rates

View services in your area.
**This map is a beta, currently with data for libraries, council offices and fire stations. The data collection is an ongoing process with more information being displayed as it is collated.

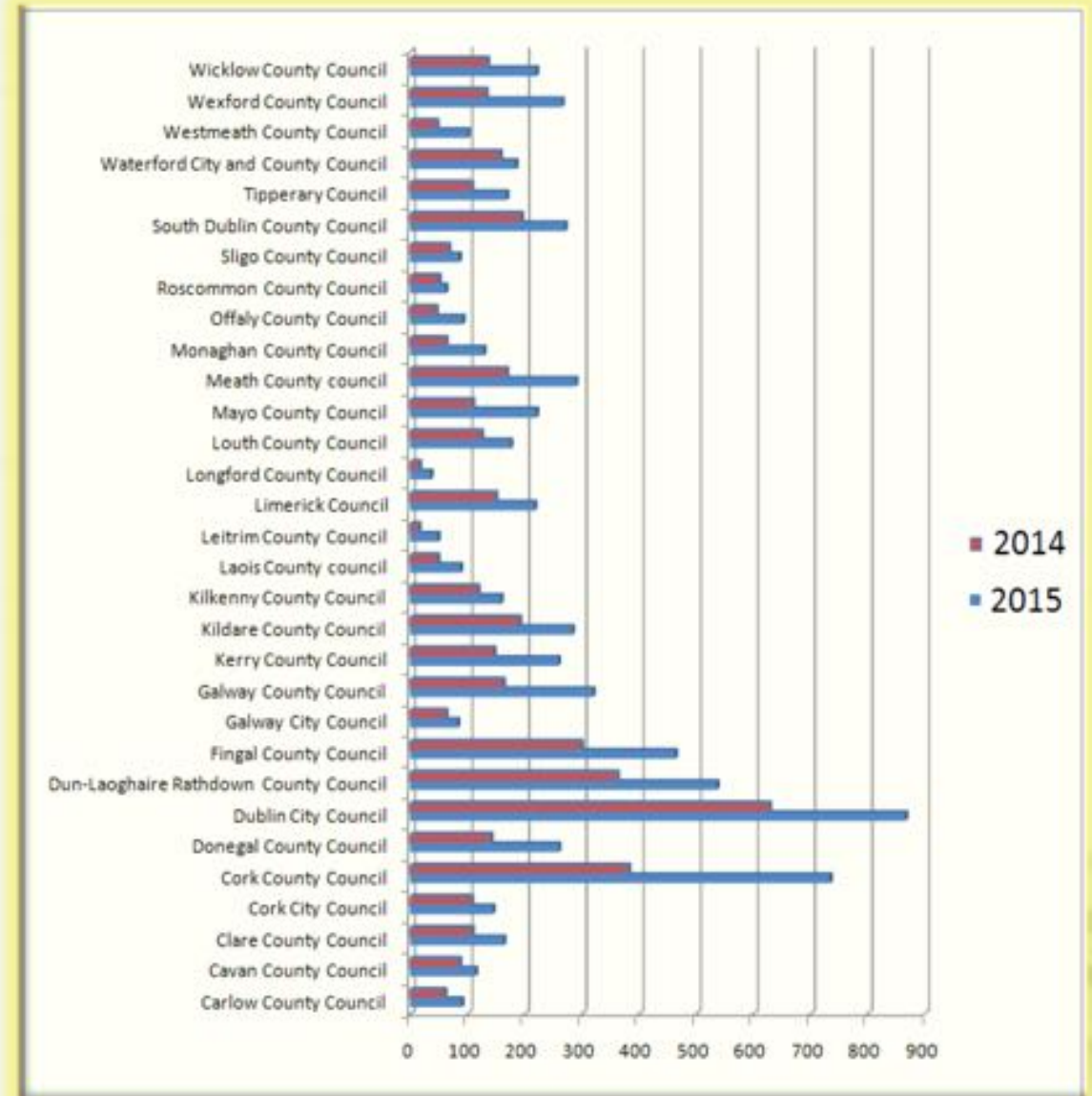


SugarCRM backend

DRUPAL Portal

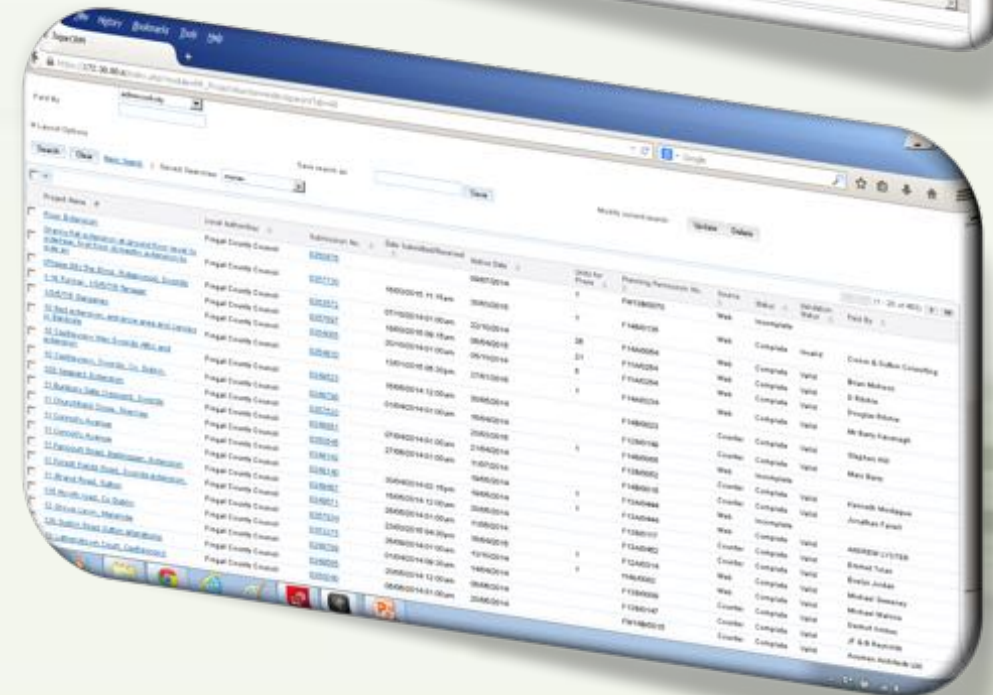
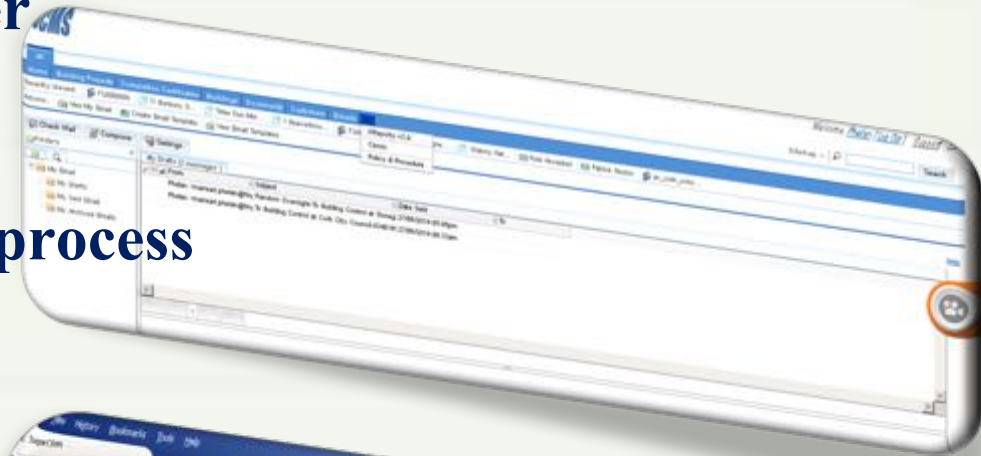
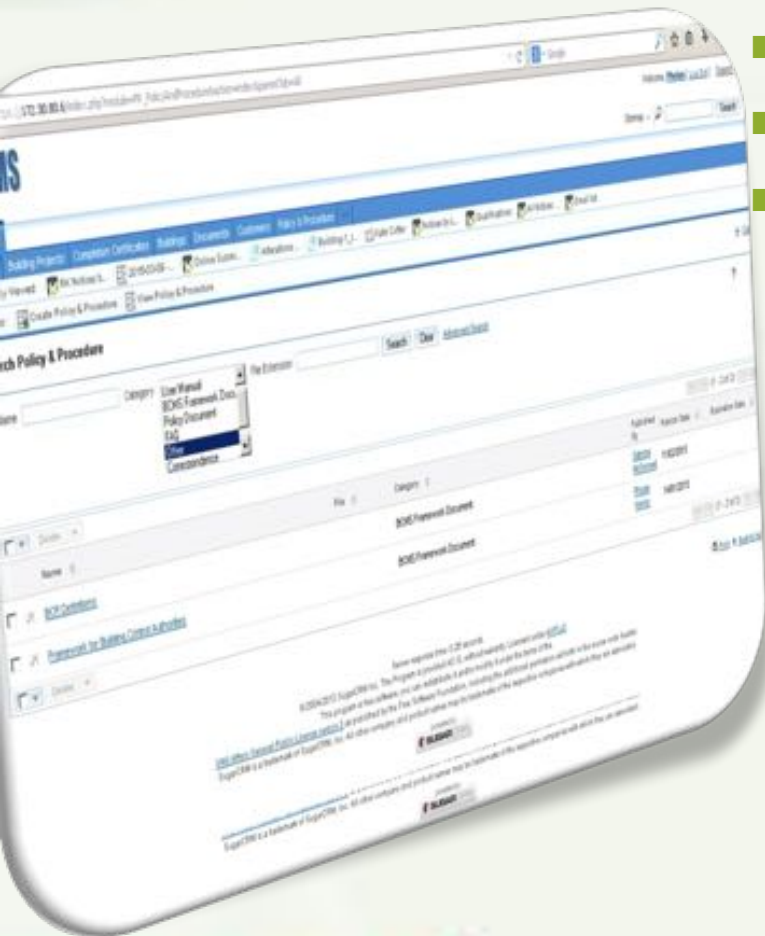
BCMS -18 Months On - Forms Phase 1

- Registration Complete
- Notification-4 Commencement Notices (CN) types
 1. 7 Day Notice
 1. (a)FSC
 2. (b)Declaration
 2. CN With Documentation
 3. CN Without Documentation
 4. CN with Opt Out - S.I. 385
 5. CCC (Certificate of Compliance on Completion)
 6. EU-tender to complete remainder of 31 forms i.e. FSC, DAC, Relaxation/Dispensation etc.

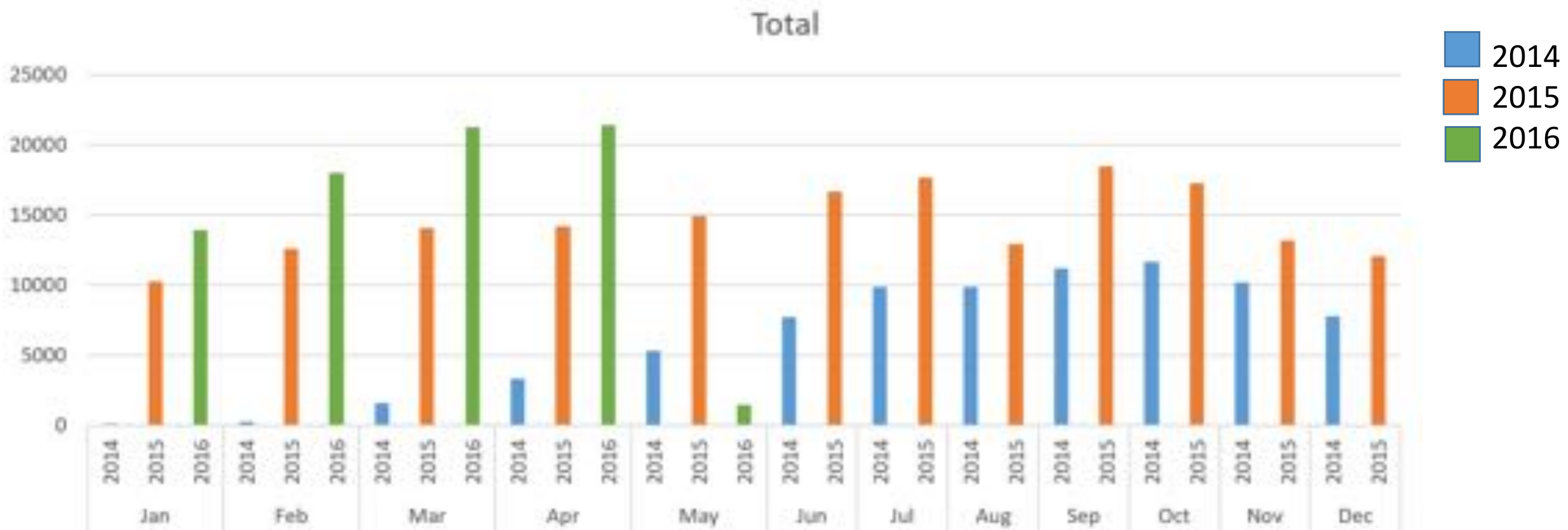


BUILDING CONTROL –Validation Process

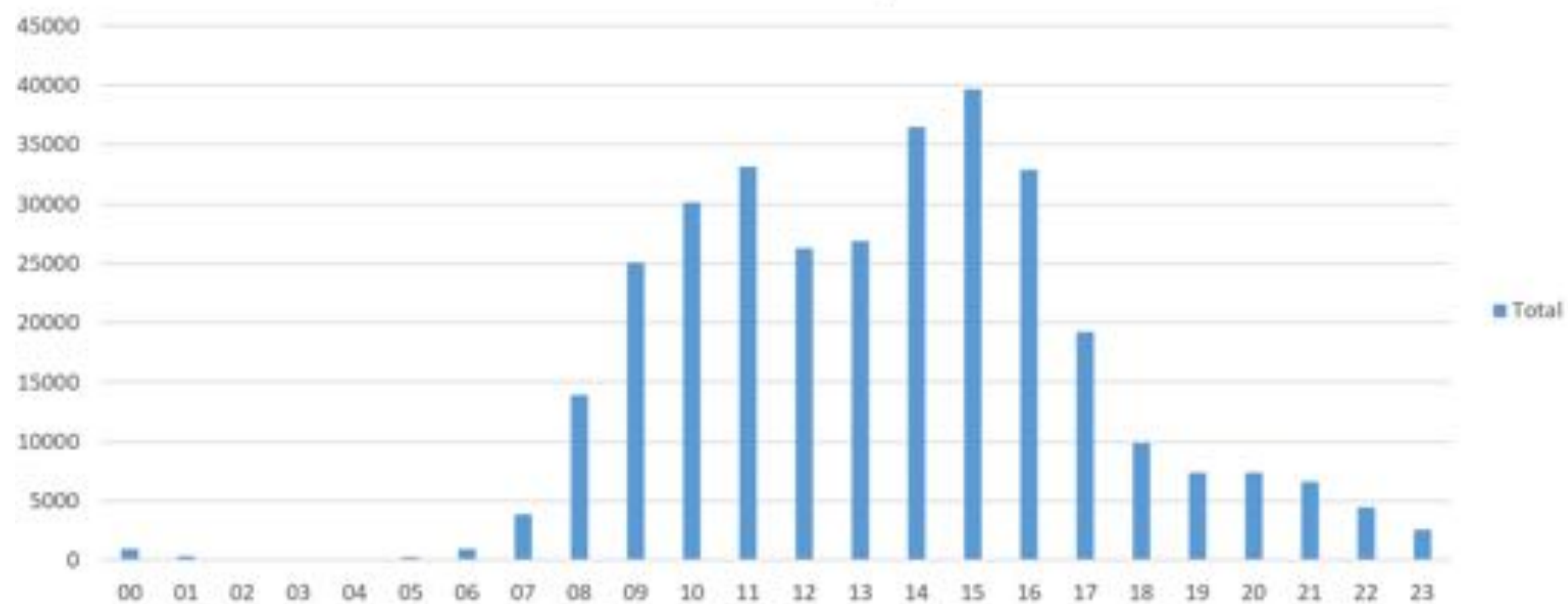
- Validation –Notices, Applications, Certificates
- Statutory Building Register
- Queries & F.O. I
- Service Indicators
- Assistance & guidance on process



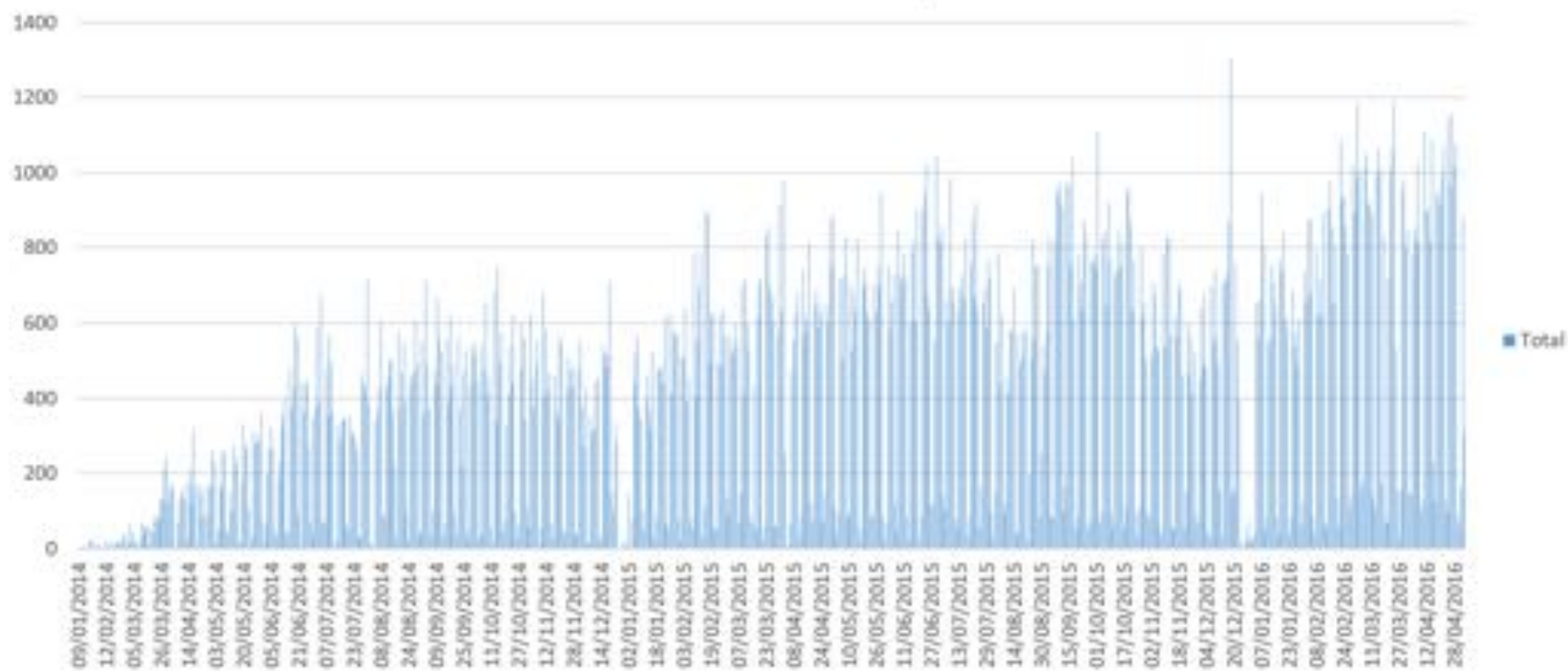
Transactions Month by Month

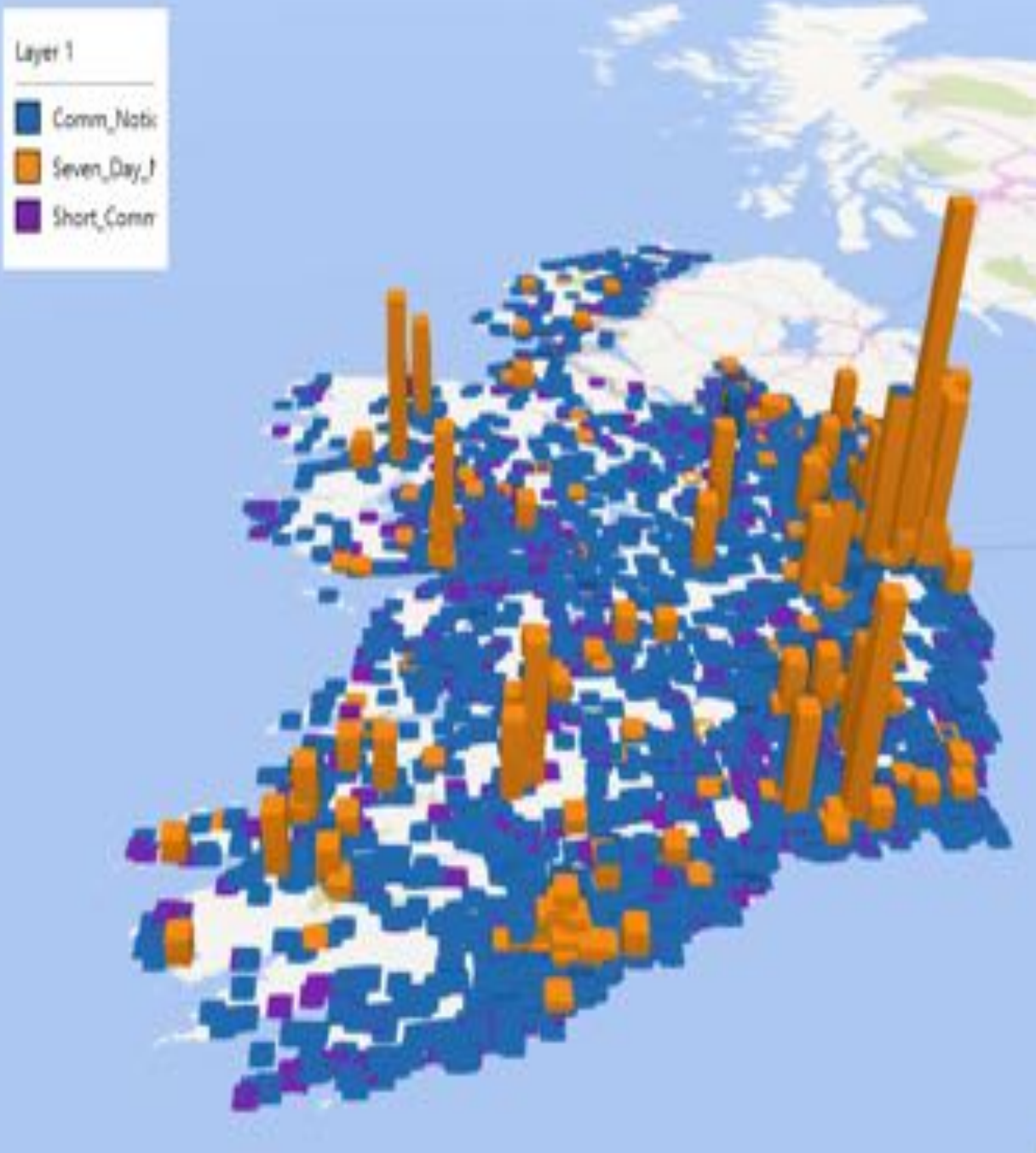


Time of Day



Transactions Per day





Is it Busy?

- Over 320,000 documents
- Over €3m in fees
- 43,000 Builders, Architects, etc
- 17,000 Commencements..

BCMS Numbers Continued...

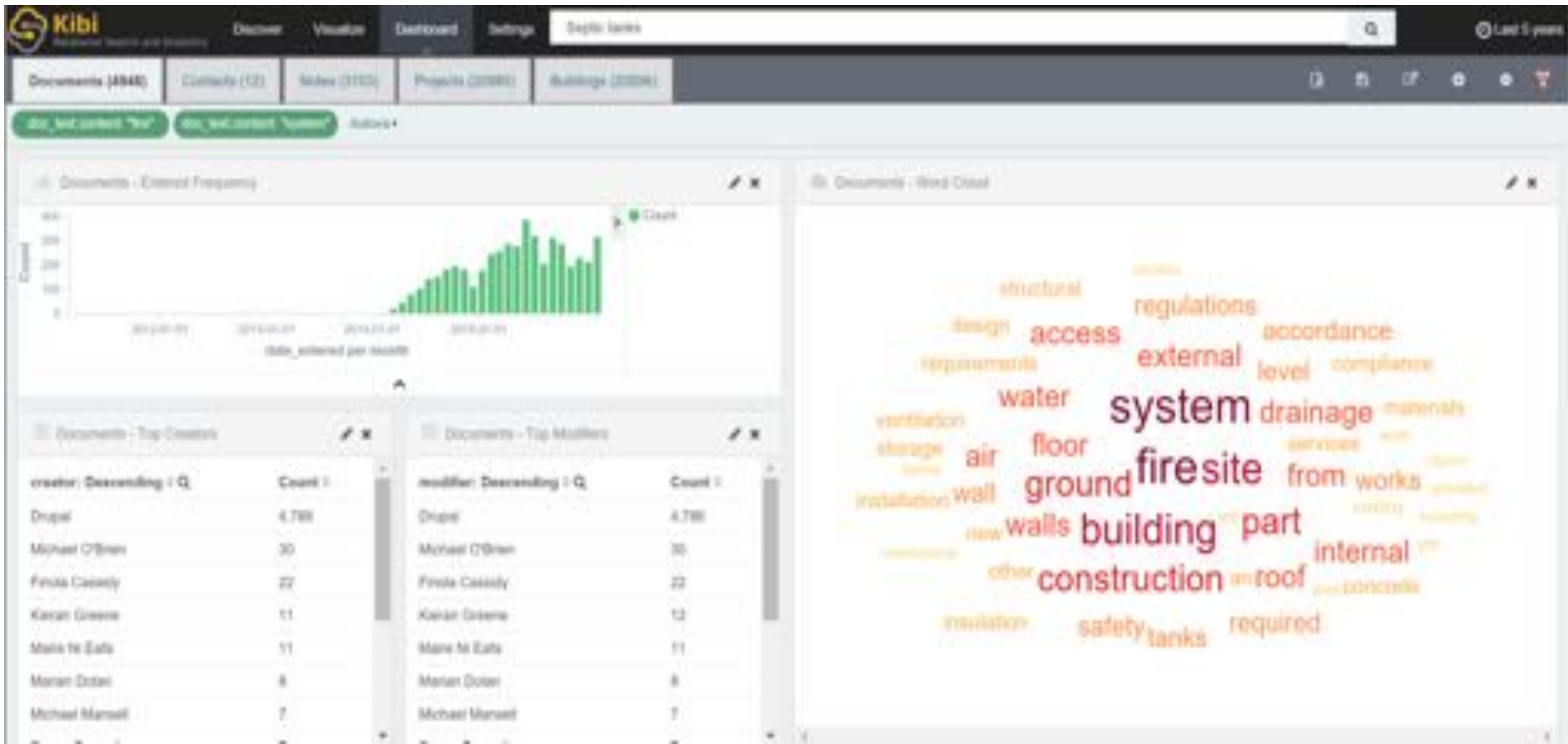
Row Labels Counter	Count of Payment Source 1000	Percentage
2014	836	24%
2015	139	1.4%
2016	25	1%
Web	16453	
2014	2580	76%
2015	9547	98.6%
2016	4326	99%
Grand Total	17453	

BCMS Numbers Continued...



Notice Type	Count of Payment Source
Comm_Notice	12120
Seven_Day_Notice	1164
Short_Comm_Notice	4169
Grand Total	17453

Notice Type	Count of Payment Source
Comm_Notice	12120
2014	2309
2015	6601
2016	3210
Seven_Day_Notice	1164
2014	187
2015	651
2016	326
Short_Comm_Notice	4169
2014	920
2015	2434
2016	815
Grand Total	17453

[illegible]

Document Name	File Name	Document Type	
1512-fa-hd-zz-dr-a-0004_-_2103_-_house_type_d_proposed_sections.pdf	1512-fa-hd-zz-dr-a-0004_-_2103_-_house_type_d_proposed_sections.pdf	Sections	09/02/2016 04:45pm
1512-fa-hd-zz-dr-a-0004_-_2104_-_house_type_d_proposed_elevations.pdf	1512-fa-hd-zz-dr-a-0004_-_2104_-_house_type_d_proposed_elevations.pdf	Plans	09/02/2016 04:44pm
1512-fa-hd-zz-dr-a-0004_-_2105_-_house_type_d_proposed_floor_plans.pdf	1512-fa-hd-zz-dr-a-0004_-_2105_-_house_type_d_proposed_floor_plans.pdf	Plans	09/02/2016 04:43pm
assigned_certificate_3.pdf	assigned_certificate_3.pdf	Undertaking by Assigned Certifier	09/02/2016 04:43pm
designet.pdf	designet.pdf	Design Certificate	09/02/2016 04:42pm
1512-fa-hd-zz-dr-a-0003_-_2101_-_house_type_d_proposed_sections.pdf	1512-fa-hd-zz-dr-a-0003_-_2101_-_house_type_d_proposed_sections.pdf	Sections	09/02/2016 04:42pm
commencement_notice_signed_3.pdf			
1512-fa-hd-zz-dr-a-0002_-_2003_-_house_type_d_proposed_elevations.pdf			
1512-fa-hd-zz-dr-a-0002_-_2104_-_house_type_d_proposed_floor_plans.pdf			
1512-fa-hd-zz-dr-a-0002_-_2101_-_house_type_d_proposed_sections.pdf			
1442_drawing_register.pdf			
1512-fa-hd-zz-dr-a-0002_-_2001_-_			

Document Properties

[Back to the List](#)

[Download](#)

[Checkout](#)

Name: house_type_d_proposed_sections.pdf

Version: 1.1

Type:

Relate To: [Share](#)

Folder Path: 1522-fa-hd-zz-dr-a-0004_-_2103_-_

Creator: admin

Created On: 01/12/2016 16:44

Modifier: admin

Modified On: 01/12/2016 16:44

Document Actions

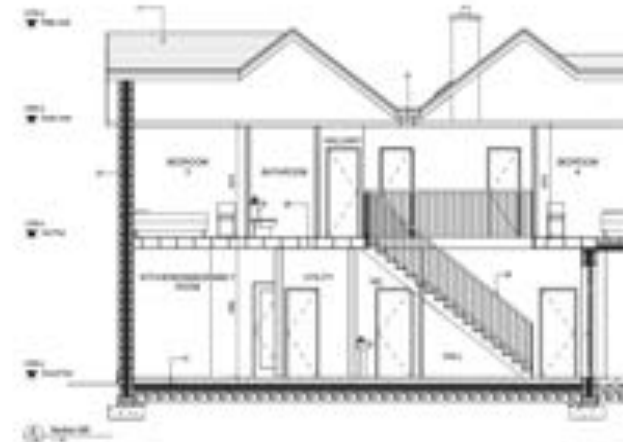
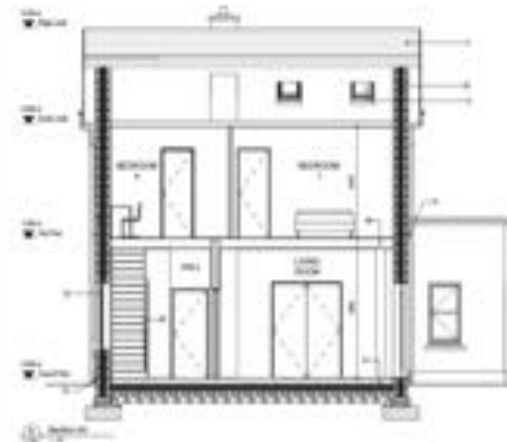
Select an Action:

[No Action](#)

[Action](#)

[File & Close](#)

Document Previewer



A hand holding a pen is visible in the top left corner, writing on a notepad. The background is a light green surface.

What about the Data...

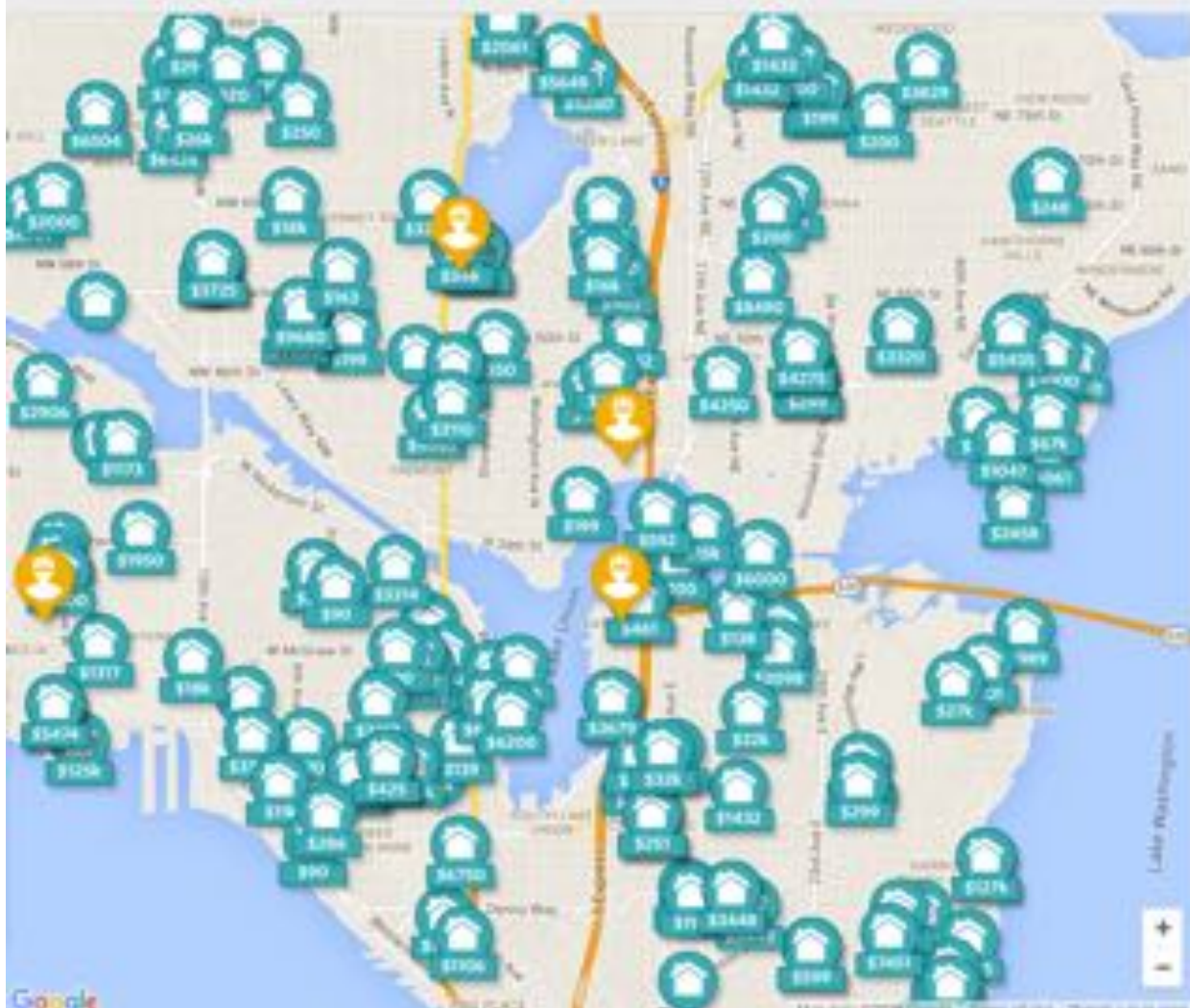
- Escrow?
- Shared?
- Public?
- Available?
- Open?
- All of the above?
- Sustainable?

If we Open the data...

People will use it

Porch Find Professionals Sign up Log in ARE YOU A QUALITY PRO?

Refine results: Type of professional Specializing in Location Verified license Better Business Bureau rated Map List





Best professionals in Seattle, WA




House 98102 Seattle, WA Update

TIP: For best results, use your full address


Guaranteed Professionals for 98102 Limited zip codes available for quality pros - Check availability

 **Sound Painting Solutions LLC**
Painters • Seattle, WA
★★★★★ (13) A+ BBB rating  Guaranteed
[Contact](#)

Jeff DuPont, the owner, is a third-generation painting contractor with over ten years of experience. He began painting w... [Read more](#)

 **Shearer Painting**
Painters • Seattle, WA
★★★★★ (16) A+ BBB rating  Verified license
[Contact](#)  Guaranteed

Shearer Painting was established in 1990 as a local house painting company and continues to be operated by John Shearer... [Read more](#)

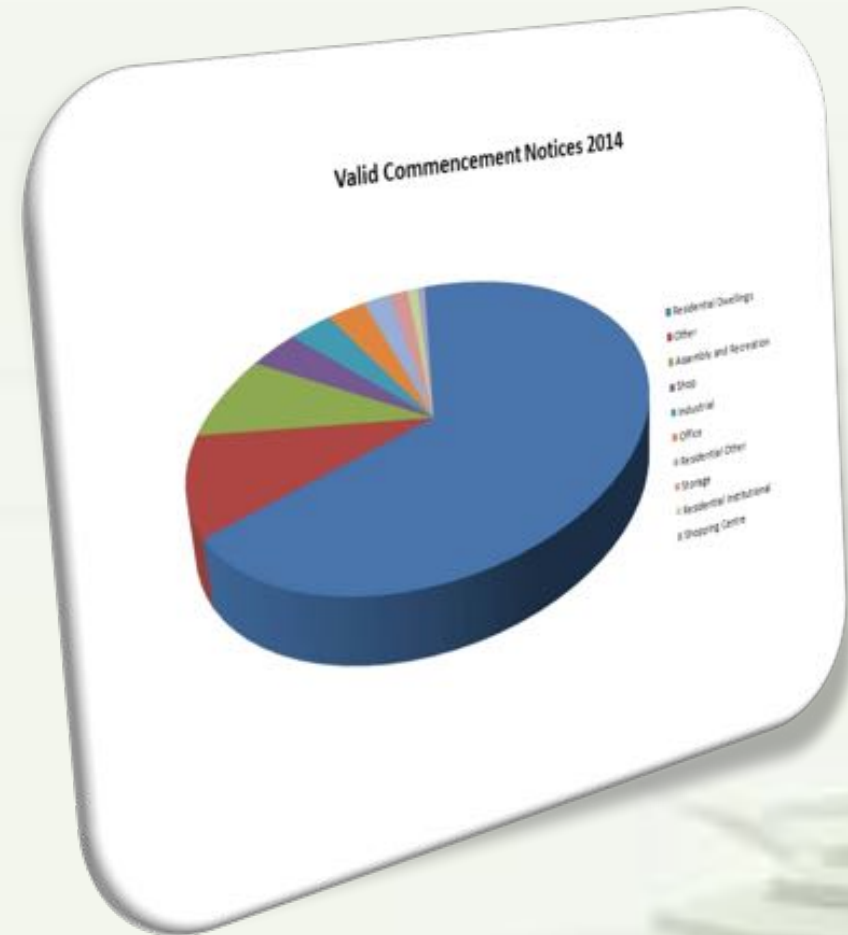
 **All Covered Painting & Property Services, LLC**
Painters/Deck Contractors/General Contr...

Building Control Officer – Data

◆ Risk Based Assessment

- Location
- Type /Class
- Use
- Form of Construction
- Complexity/Method of Construction
- Stakeholders-Expertise of Builders, Designers, Owners, Assigned Certifiers
- Seriousness of a Non-Compliance

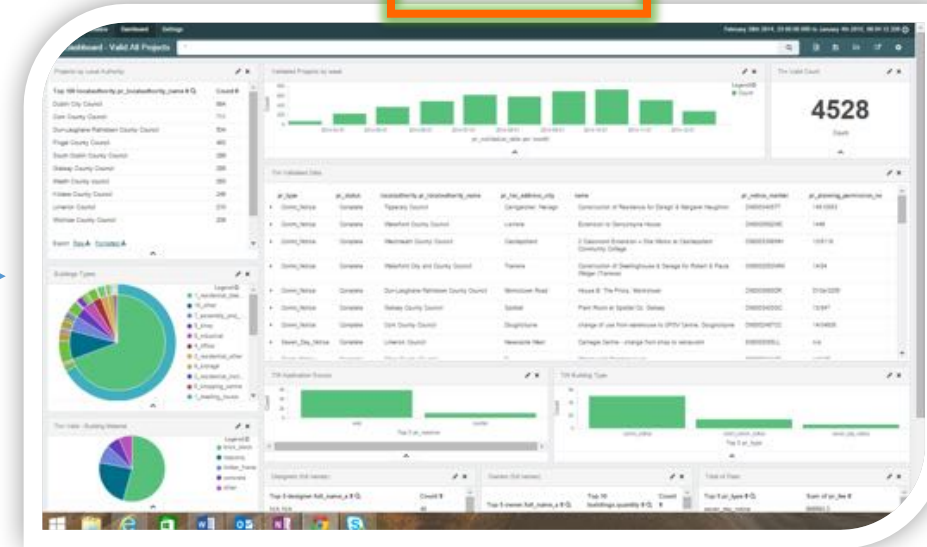
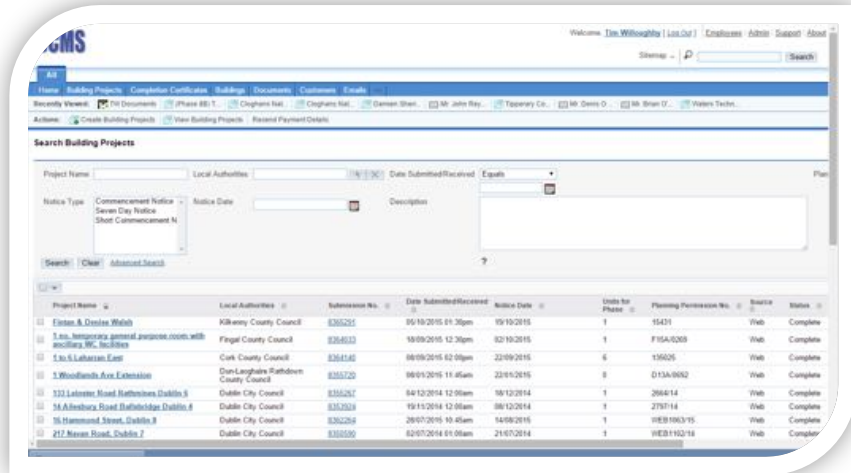
◆ Data Analytics





**Elastic
Search**

Kibana Dashboards



Structured Data

Documents

Mapping

Timelines

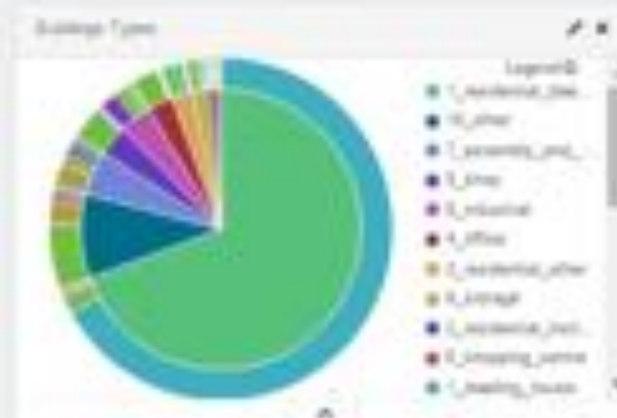
Real Time Data

Logs



Reports

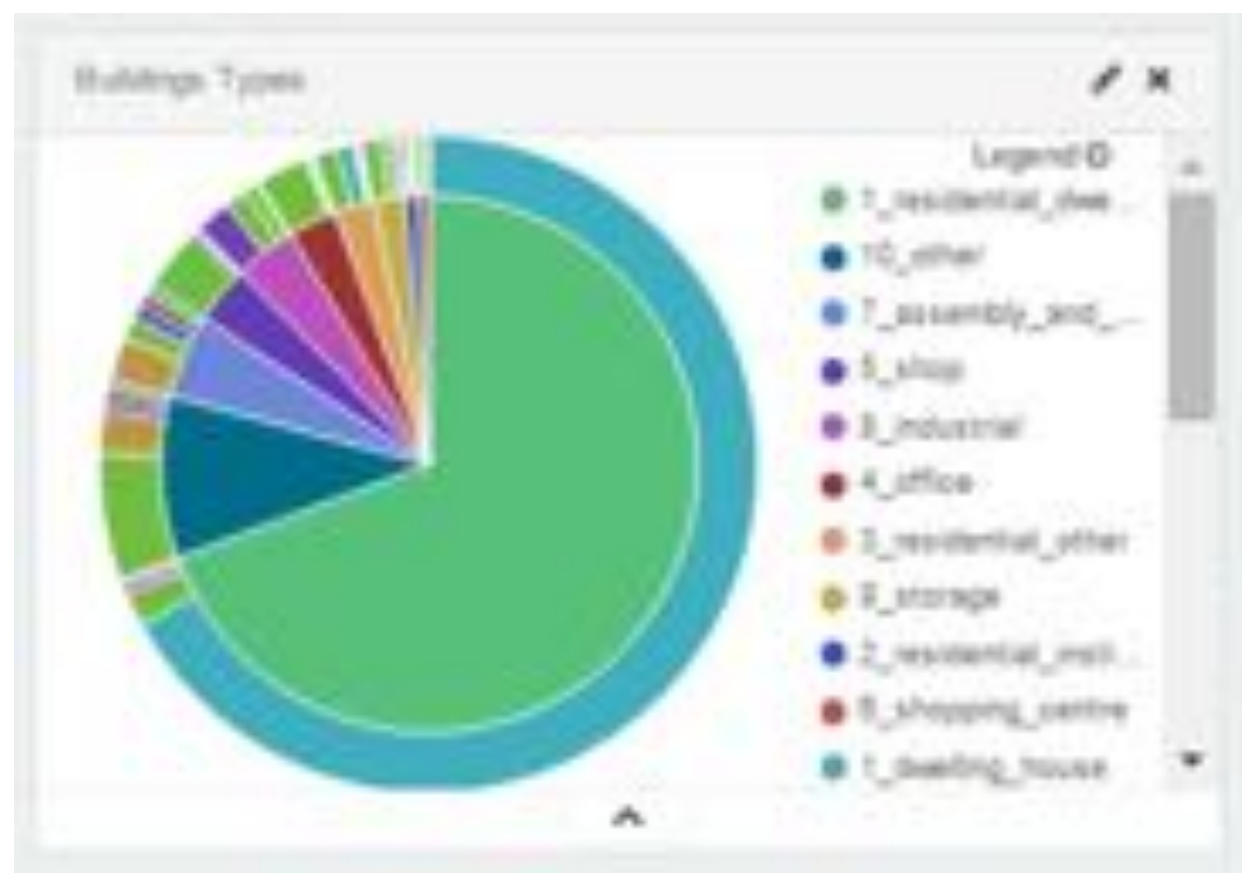
Tim Dashboard - Valid All Projects



Top 10 Projects

pr_id	pr_status	localauthority.pr_localauthority_name	pr_loc_address_line	name	pr_status_number	pr_status_percentage
1	Completed	Fingal County Council	Longwood Road	Construction of New House for Design & Building	1000000000	100.00%
2	Completed	Wexford County Council	Wexford	Extension to Wexford House	1000000000	100.00%
3	Completed	Wexford County Council	Wexford	2 Bedroom Extension & New House at Wexford	1000000000	100.00%
4	Completed	Wexford County Council	Wexford	Construction of New House & Design by Robert & Paul	1000000000	100.00%
5	Completed	Dun-Laoghaire Rathfarnham County Council	Wexford Road	House & The Price, Wexford	1000000000	100.00%
6	Completed	Wexford County Council	Wexford	First Floor at Wexford Co. Wexford	1000000000	100.00%
7	Completed	Dun County Council	Wexford	Change of use from residential to (P)W. Wexford	1000000000	100.00%
8	Completed	Wexford County Council	Wexford	Change of use from residential to (P)W. Wexford	1000000000	100.00%





Projects by Local Authority

Top 100 localauthority pr_localauthority_name	Count
Dublin City Council	384
Cork County Council	311
Dun-Laoghaire Rathdown County Council	304
Fingal County Council	483
South Dublin County Council	286
Galway County Council	285
Meath County council	263
Kildare County Council	246
Limerick Council	210
Wicklow County Council	208

Export [See](#) [Formatted](#)

BCMS - Inspection/Enforcement - Phase 3

➤ Mobile Technology

Sample Inspection Plan - one off house

- 1. Design**
- 2. Formation**
- 3. Foundation**
- 4. Ground Floor**
- 5. Wall Plate level**
- 6. Roof Level**
- 7. Completion**

The Inspection Plan is dependent on many factors including -

- a) type of building and type of construction;
- b) method of construction;
- c) how serious the consequences of a particular contravention might be;
- d) the impracticability or impossibility of subsequent inspection of closed up work; and
- e) speed of construction.
- f) Stakeholder Experience & Competency

RISK-BASED INSPECTIONS = COMPLIANCE

Identify

Analyse

Evaluate

TREAT

MONITOR
& REVIEW

◆ Risk-likelihood of a non-compliance

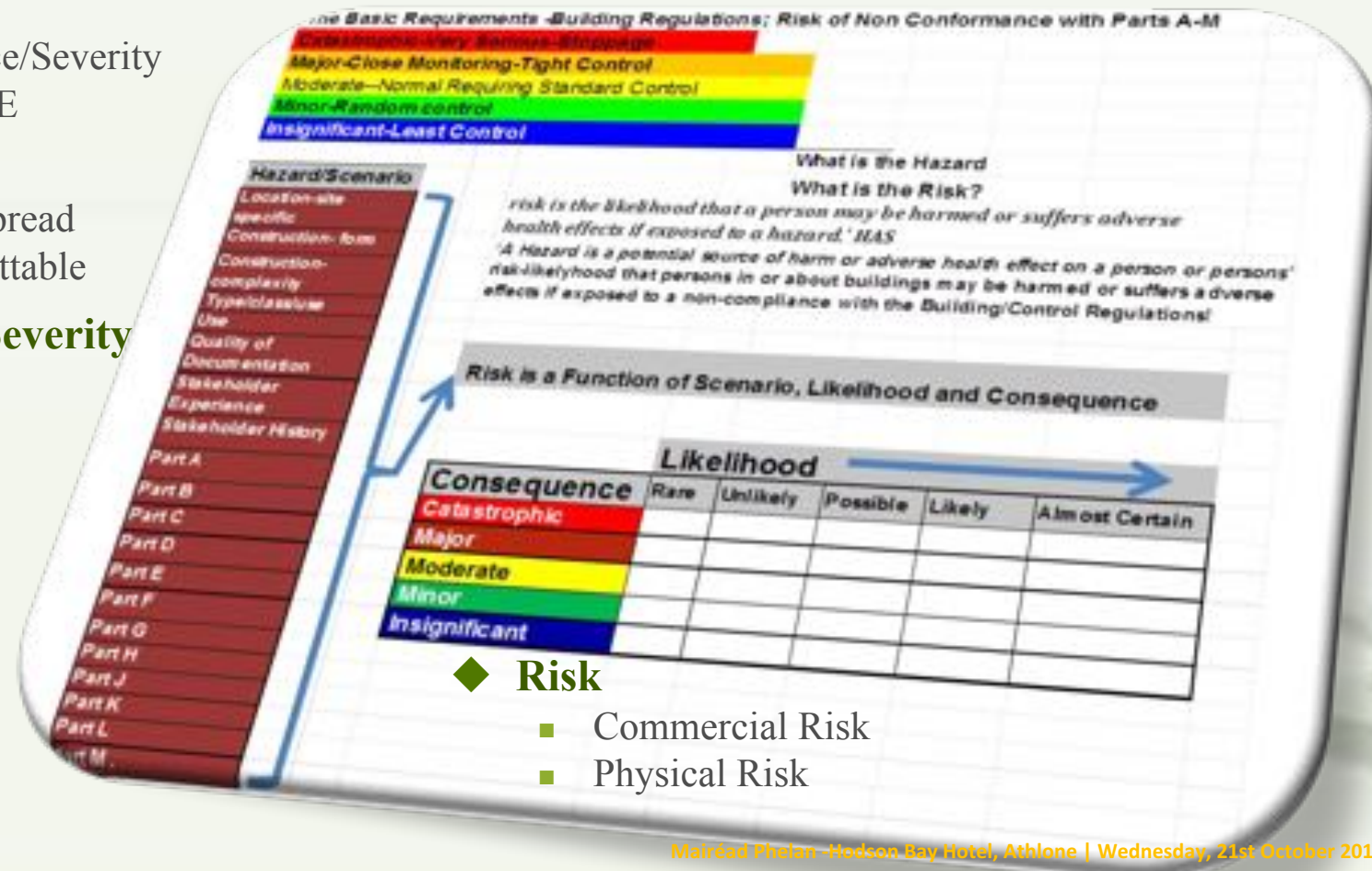
- Hazard - Scenario
- Likelihood
- Consequence/Severity
 - PRIME

◆ Risk

- How widespread
- Is it transmittable

◆ Consequence/Severity Level

- Catastrophic
- Major
- Moderate
- Minor
- Insignificant





GOVERNMENT DATA –ECONOMIC INDICATORS

◆ Self-builds

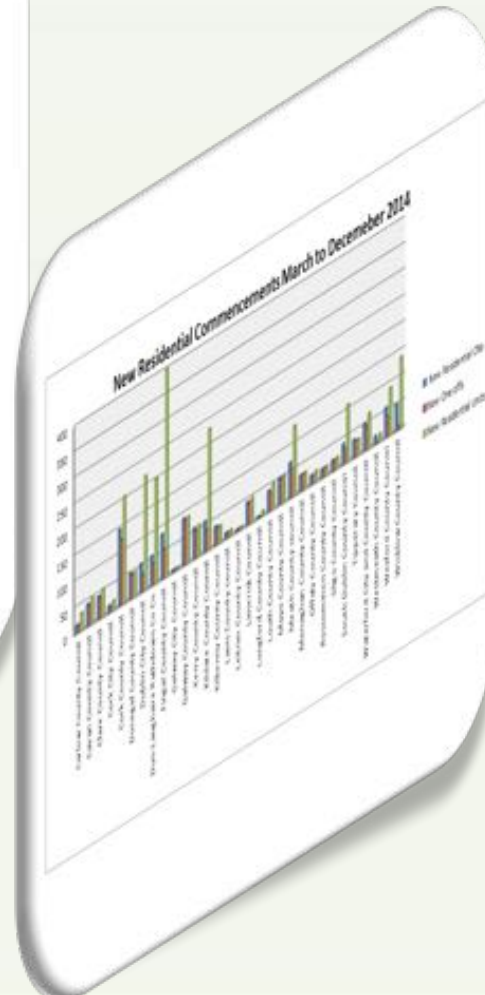
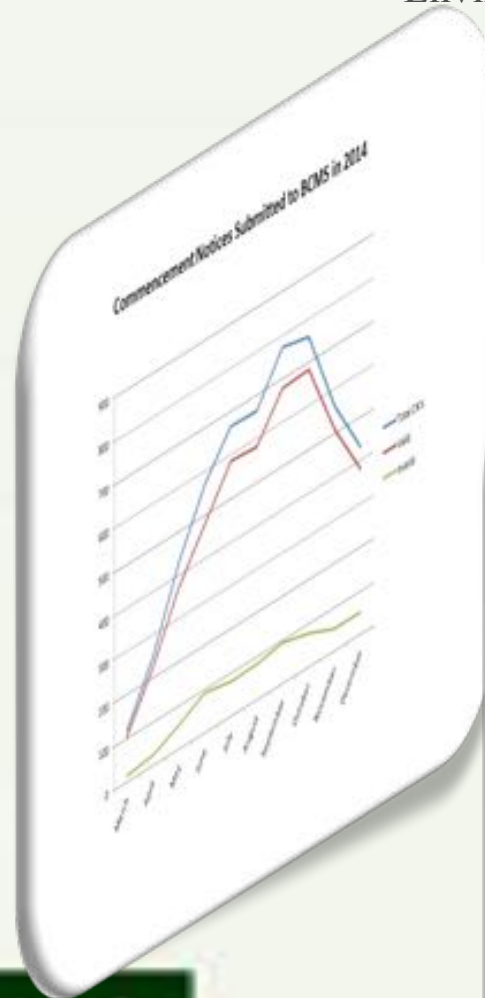
- Self-builders with more than one Commencement Notice
- Stakeholder Involvement-
 - Builder –as Owner, Builder, Designer, Assigned Certifier in projects
 - Extensions-type & location –tax incentives



LOCAL AUTHORITY MANAGERS DASHBOARD

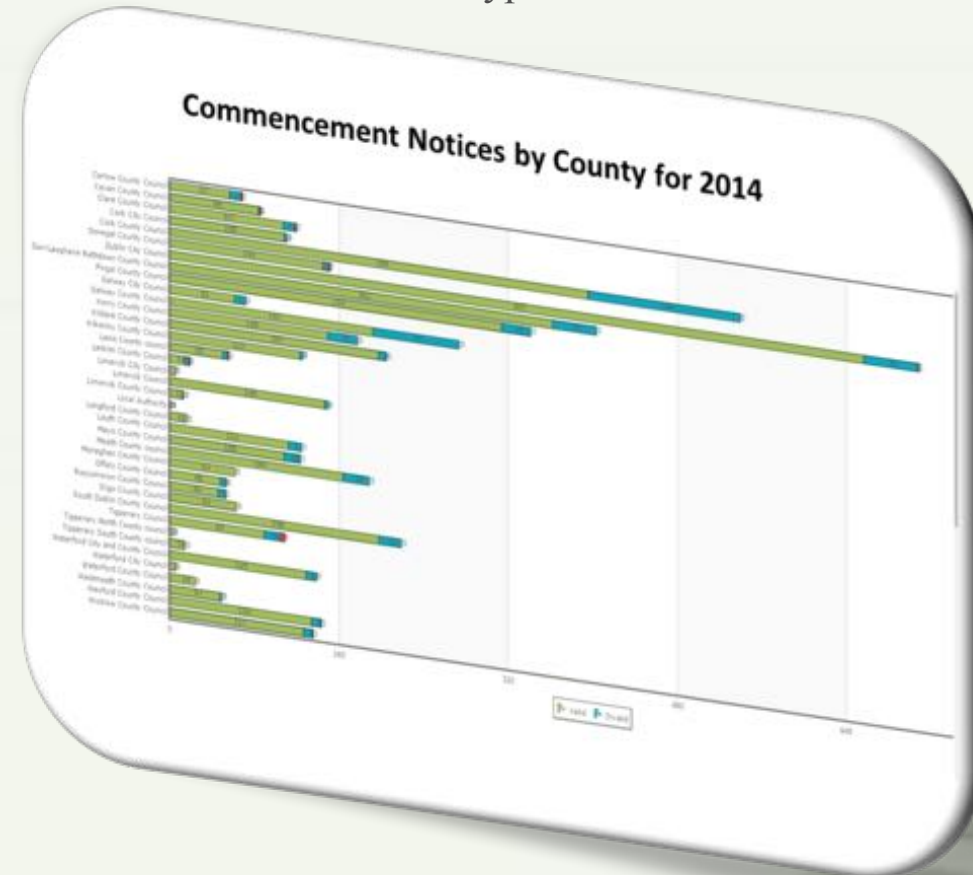
◆ Performance Indicators

- Inform planning
- Environment-wells, septic tanks



◆ BCMS building Statistics

- Location
- Use Type
- Construction type





BCMS Futures.. | BIM



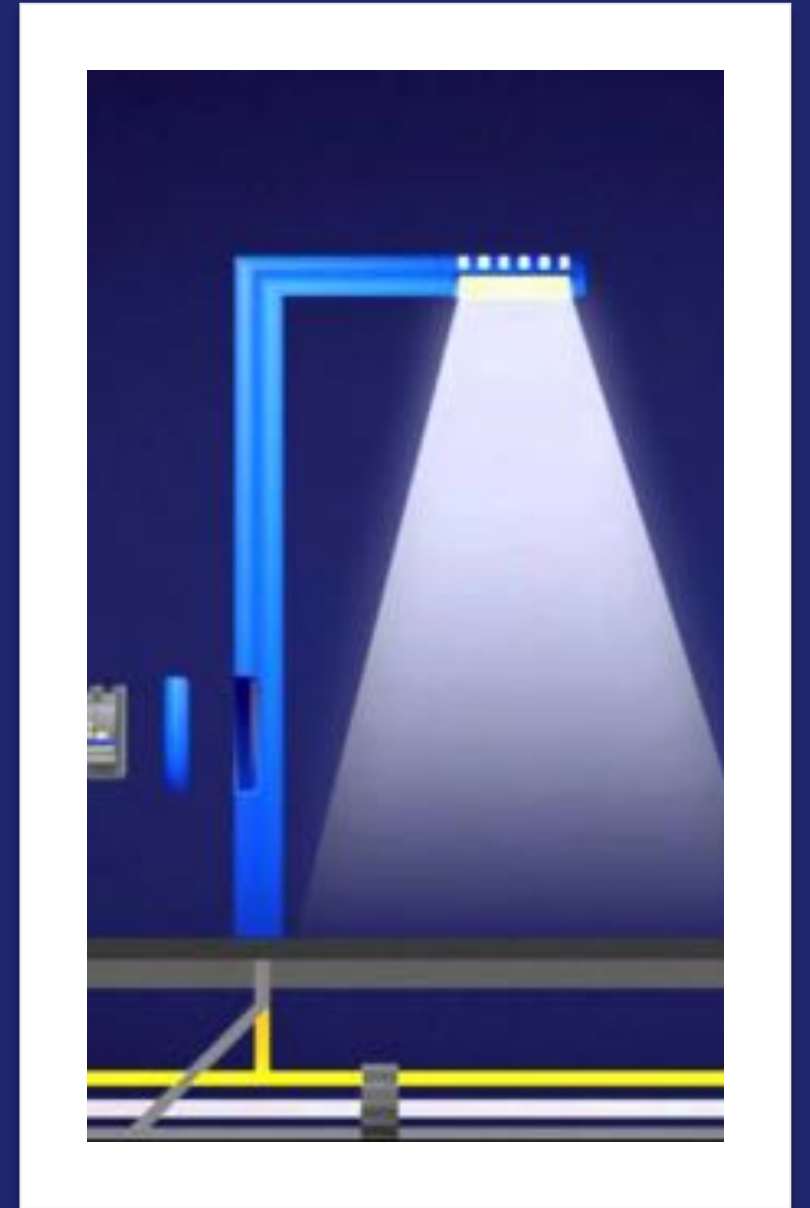
3D Printing and 3D Models..

A “Real” Smart City?



Smart Sustainable Cities

- Public Lighting
- Traffic Lights
- Building Management
- Social Housing





0
1
0
1

0
1
0
1

Lots of data being created
How much being used
How much is capable of being used?





How Much Data do you create?

It knows more
about you than
your partner...



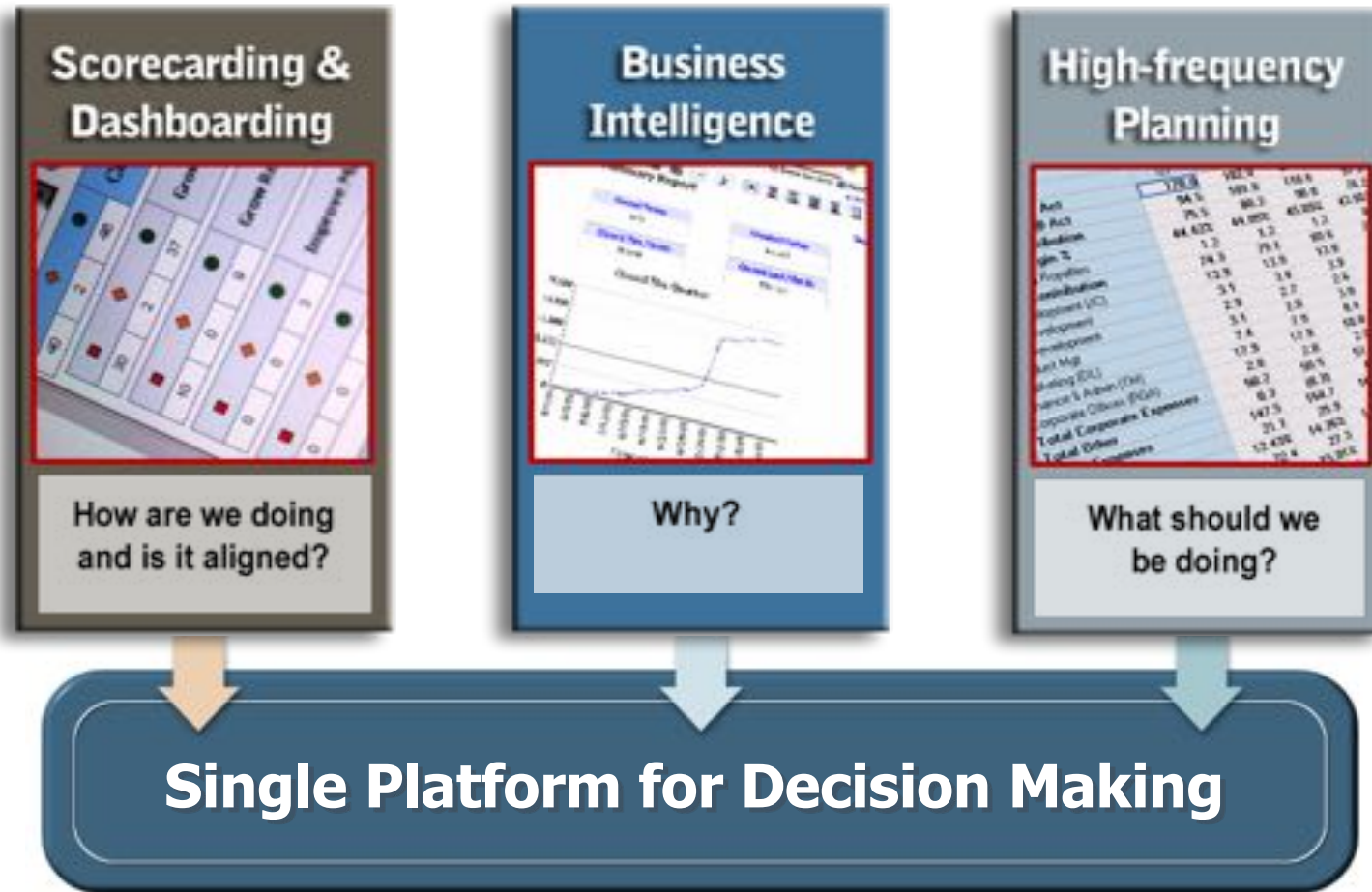
Where you are ?
Where you have been ?
Where you are likely to be going to ?
Who you have met ?
Who you are going to meet ?
Who you call ?
Who calls you ?
Who you TXT - IM - Link ?
All your contacts
All your urls
All you passwords
What you are doing now ?
What have you done in the past ?
What games you play ?
What apps you use ?
What music you listen to...?
What you watch...?
What you read...?
+++++

LOTS OF DATA, LITTLE DECISION-READY INFORMATION

- The sector needs to turn data into intelligence
- Our reporting is cumbersome and Silo based; typically paper-based with many versions of the truth
- Manually intensive analysis processes; ad hoc analysis
- Mainly manual processes for information gathering and collation
- Single Geographic Queries are the norm
- **Data are hidden away in departments, databases, applications, geographies; impossible to coordinate**
- **Data latency, accuracy, completeness issues**



SINGLE DEFINITION OF THE TRUTH





Augmented Reality |



Next Generation Design

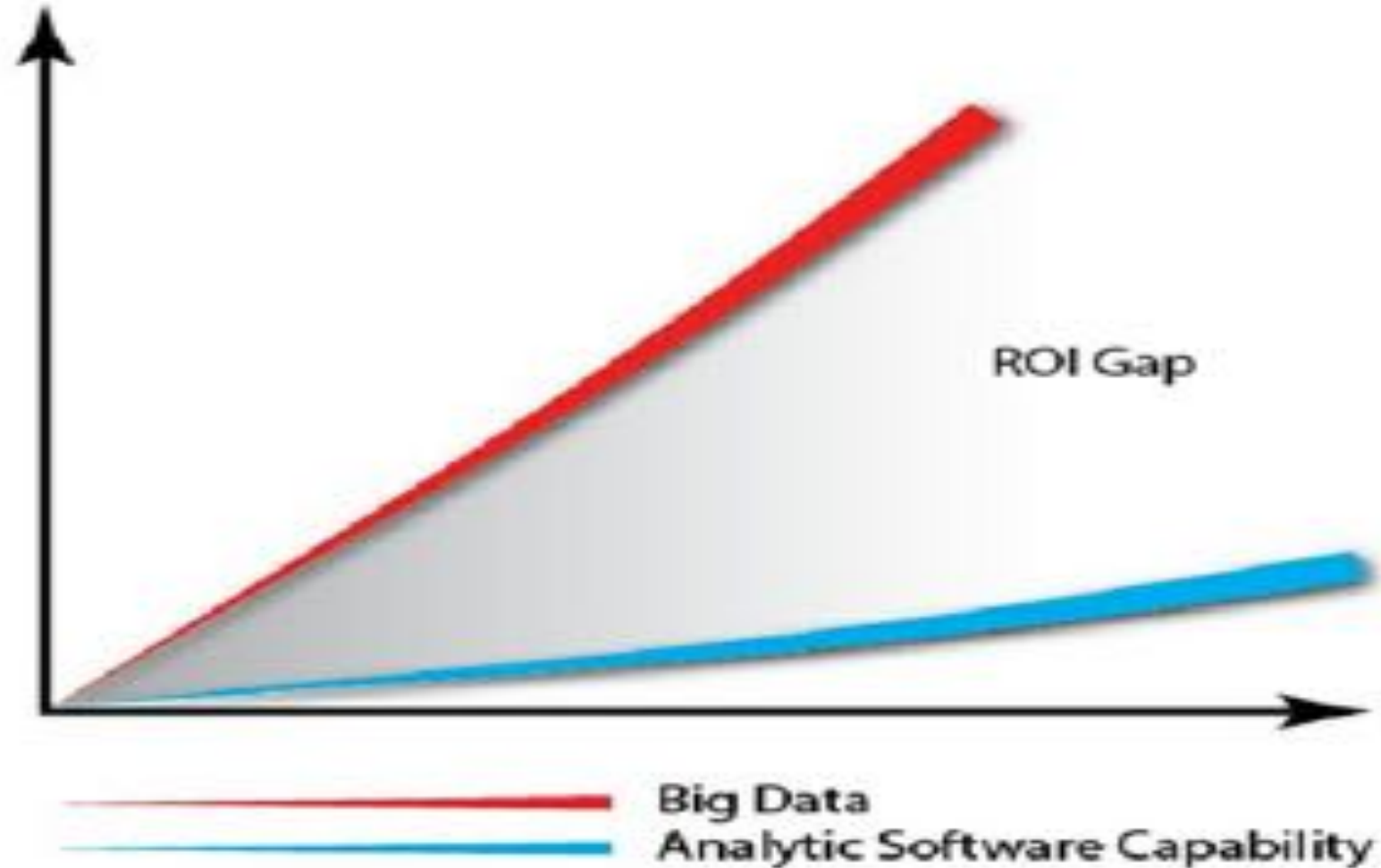
Thinking Matters More!



Challenges in Ireland

- Vertical institutional structures (OGCIO / OGP)
- Perverse incentives (Number of Tenders...)
- Misuse of capital/labour substitution (Leasing as an Option?)
- Outsourcing v. integration/reform
- Customer service strategies
- Generation Y / Facebook Generation
- Consumer Society

The More data we have... the less we (have time to) Understand it



Typical Individual effort



many hours, one map

OpenStreetMap, 2016



1m Contributors, one map

Mechanical Turk is a marketplace for work.

We give businesses and developers access to an on-demand, scalable workforce.

Workers select from thousands of tasks and work whenever it's convenient.

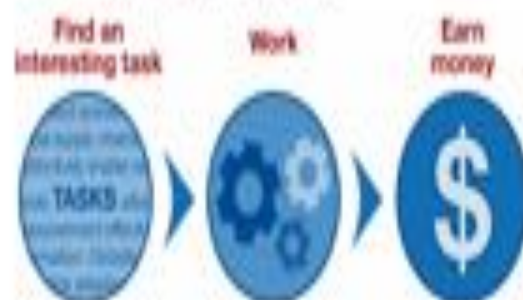
152,764 HITs available. [View them now.](#)

Make Money by working on HITs

HITs - Human Intelligence Tasks - are individual tasks that you work on. [Find HITs now.](#)

As a Mechanical Turk Worker you:

- Can work from home
- Choose your own work hours
- Get paid for doing good work



[Find HITs now](#)

[or learn more about being a Worker](#)

Get Results from Mechanical Turk Workers

Ask workers to complete HITs - Human Intelligence Tasks - and get results using Mechanical Turk. [Find HITs now.](#)

As a Mechanical Turk Requester you:

- Have access to a global, on-demand, 24 x 7 workforce
- Get thousands of HITs completed in minutes
- Pay only when you're satisfied with the results



[Get Started](#)

Our Lives are Different...

- We communicate on — Facebook, Chat, Twitter, MMS
- We Research Information — Blogs, eNews, Wiki, YouTube
- We Buy — eBay, Amazon, Dell, Deal Done, etc...
- We Travel - Tripadvisor, Flickr, RyanAir, Hotels,
- We Meet / Retate - LinkedIn, FaceBook, Friends
- We Play – xBox, Playstation, Online games, iTV
- We expect the Government to fit into these paradigms too...

Understand what are the Driving Forces...

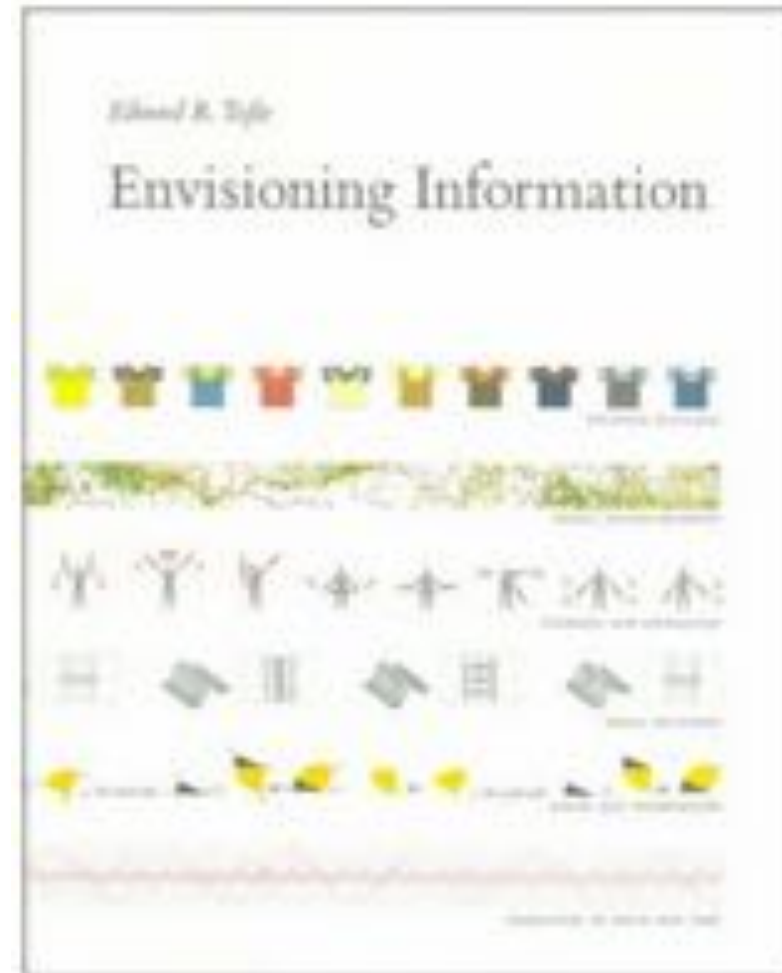
- Government Focus
 - Understanding, Efficiency, Accountability
- Technology Innovation Focus
 - Data as a Platform, Semantic Web
- Reward Focus
 - Profit, Recognition
- Digitising Government Focus
 - Computerisation / Technology Drive
- Problem Solving Focus
 - New Skills needed to work on new Challenge
- Social / Public Sector / Enterprise
 - More Focussed Services

Conclusions

- Change is constant
- Cloud is the Future
- Social is a Reality
- Mobile is already taking over
- Data has to keep up...

References

- We live in “Flat Land” –
There is danger in making
representations more
seductive than the truth
- Envisioning Information -
Tufte



“We shall build this big thing in the clouds” – “we will be unbeatable”



Microsoft
Azure

"Do - or do not do.
There is no try."

— Yoda.

