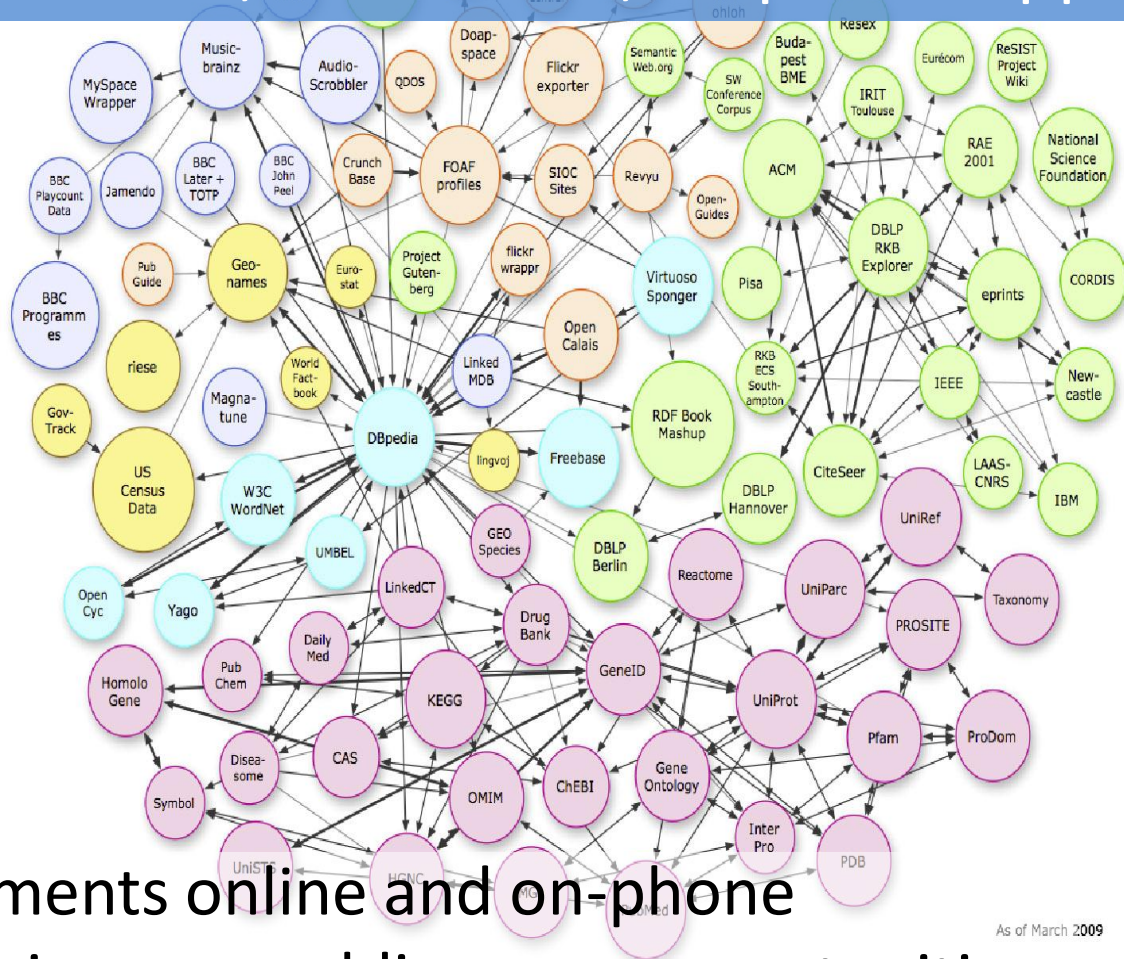


Digitisation of Cultural Heritage

Today's Innovations And Tomorrow's Promise

Ciaran Clissmann, Pintail Ltd
ciaran.clissmann@pintail.eu

Social media, linked data, maps and apps



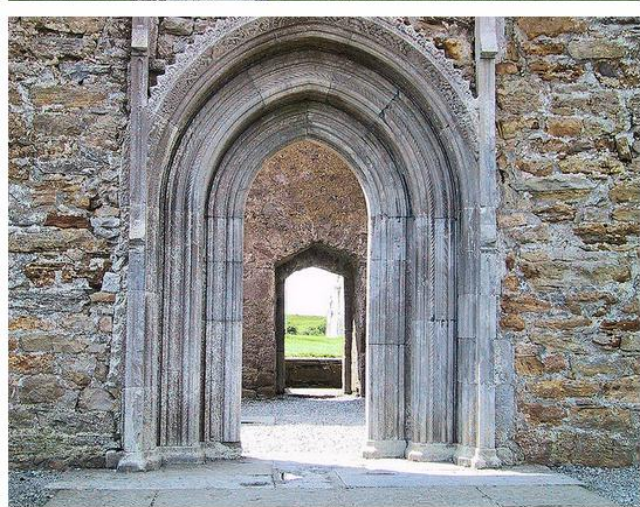
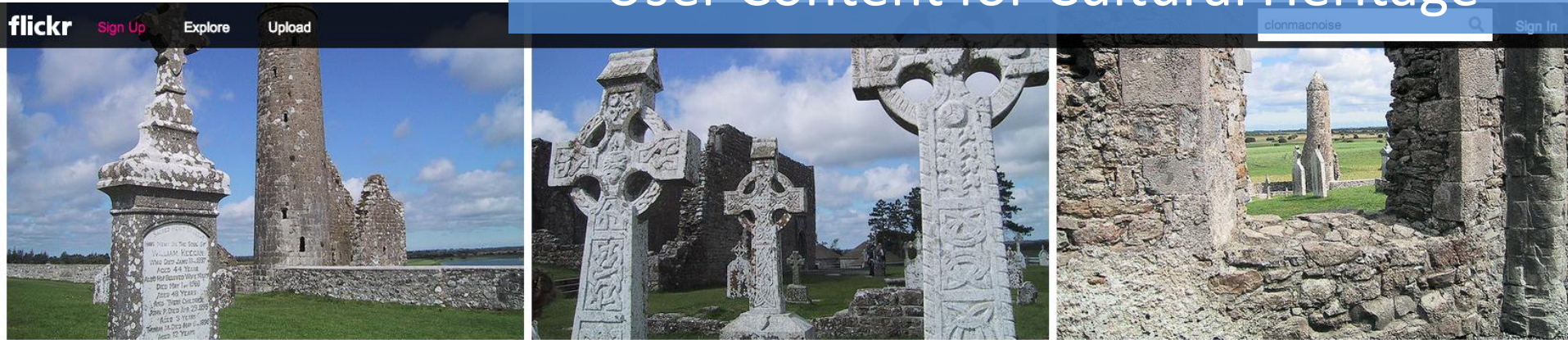
- Important developments online and on-phone
- How new technologies are enabling new opportunities for digital cultural heritage
- How long-established digitisation problems may be more tractable.

Users are populating the Web



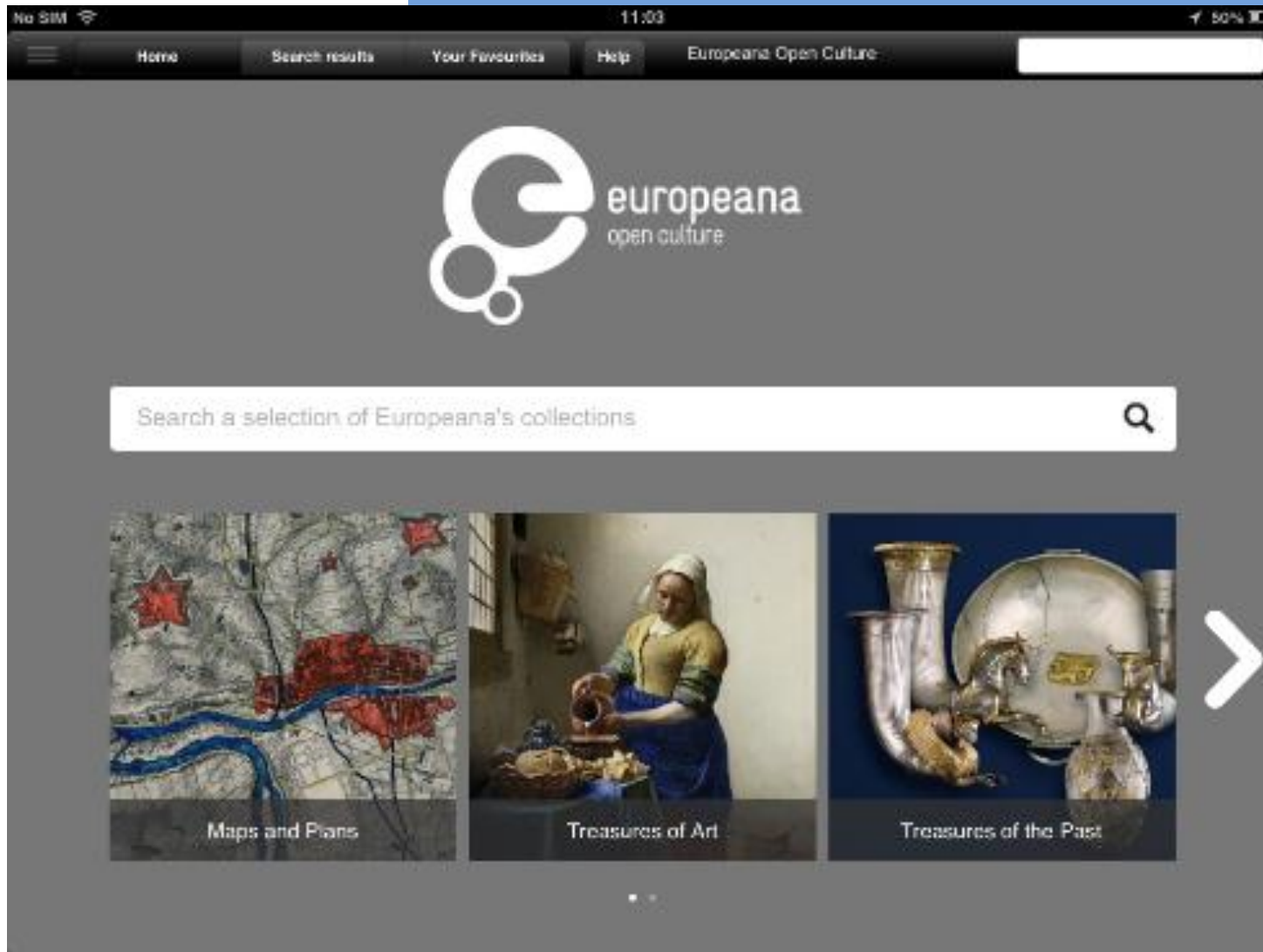
- Users are increasingly comfortable generating content (wikipedia, facebook, twitter, pinterest, flickr, instagram, youtube, waze...).

User Content for Cultural Heritage



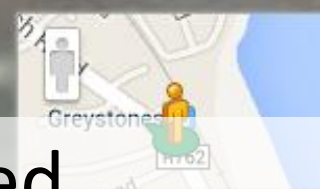
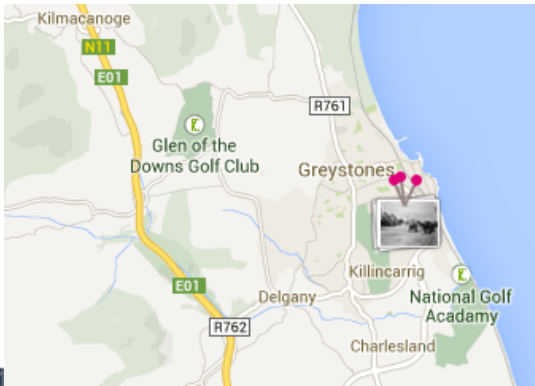
• Users represent a new and powerful source of information about our cultural heritage.

Apps + Users = Knowledge



- Commenting on, and connecting, collection items.

User Content - more than pictures



• New collections. New services. User powered historypin.com

Reading Room

Learning Zone

Libraries

ENFO

Griffith's Valuation

The Primary Valuation was the first full-scale valuation of property in Ireland. It was overseen by Richard Griffith and published between 1847 and 1864. It is one of the most important surviving 19th century genealogical sources.

[Home](#) | [Griffith's Valuation](#)

[Family Name Search](#) [Place Name Search](#) [Name Books Search](#) [Search Tips](#) [Upload](#) [About GV Maps](#) [Read More](#)

Use this form to search for a particular family name in Griffith's Valuation

Step 1 - Mandatory

First, enter a family name (and a first name, if you wish)

Include similar names [?](#)

Step 2 - Optional

Then choose a county, and (optionally) a Barony, Poor Law Union, and/or Parish

and/or [?](#)

 [?](#) [?](#)

Search

For a more powerful placename search, and to find everyone who lived in a particular place, use the [Place Name Search](#) option.

Griffith's Valuation material (digital images and index) is Copyright of (c)2003 OMS Services Ltd, Eneclann Ltd and the National Library of Ireland.

A Changing Libraries Initiative - This site and all content is made available under respective copyrights. [See this statement for details.](#)
Supported by the Department of the Environment, Community and Local Government.

User Content – a local example

SHERIDAN

PATRICK

MAYO

ROBEEN



Publication Details

Position on Page	5
Printing Date	1857
Act	15&16
Sheet Number	110
Map Reference	2;3 3

User Contributions



You can now upload your own information, photos, audios and videos to the details of each Griffith's Valuation record. Please click the grey upload button to start your own upload.

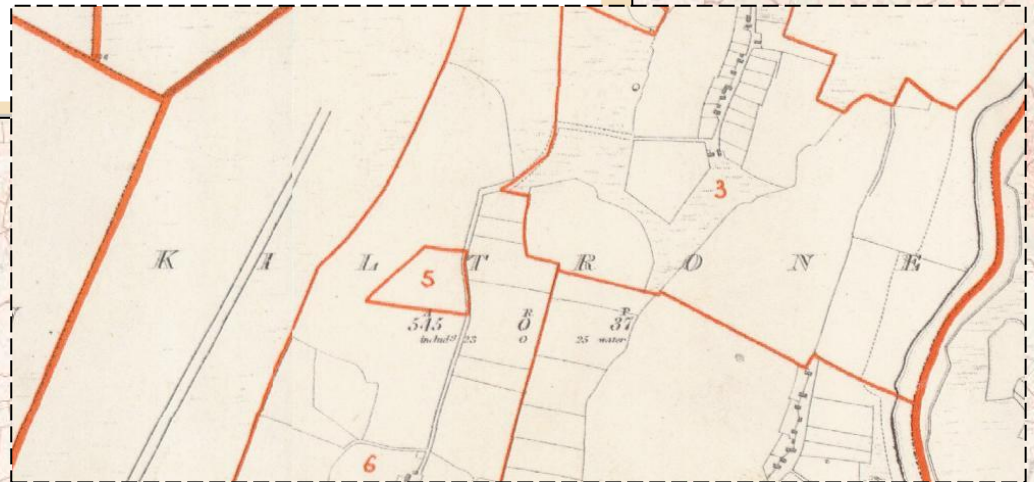
Below, you can see material uploaded by other users of the site

Sheridan Family Home





This is the cottage where my grandfather, John J Sheridan, son of Patrick Sheridan, was born in 1870.


Sheridan holding,
Kiltrone, Robeen (3)







 A plan of the city of Dublin and the environs on the same scale of London, Paris, & Rome = Plan de Dublin et de ces environs sur la meme echelle de ceux de Londres, Paris, et Rome
1756
1756 - J. Rocque

 Dublin
1835
1835 - published under superintendance of the Society of the Diffusion of Useful Knowledge [by] George Cox

 A plan of the city of Dublin as surveyed for the use of the division[a]ll justices to which have been added plans of the canal harbour and its junction with the Grand Canal, the Royal Canal, and every projection and alteration to the present time, 1797
1797
1797 - W. Faden ; Sold by W. Allen & J. Archer

 Plan of the city of Dublin taken from an actual survey from the Universal Scots Almanack
1782
1782 - printed by John Robertson

 An exact survey of the city and suburbs of Dublin in which is express'd the ground plot of all publick buildings, dwelling houses, ware houses, stables, courts, yards &c
1756
1756 - John Rocque

 Irish Ports & Harbours.
1837
1837 - Society for the

- Excellent map resource.
- Exemplar of what can be achieved without loss of IP.



Linked Open Data and Digital Cultural Heritage

- This is a small part of the LOD cloud.
- Using Linked data we can add **lots** of information relevant to our cultural material. For free.



<code>dbpprop:alternativeNames</code>	▪ Caravaggio, Michelangelo Merisi da
<code>dbpprop:birthDate</code>	▪ 1571-09-29 (xsd:date)
<code>dbpprop:birthName</code>	▪ Michelangelo Merisi
<code>dbpprop:birthPlace</code>	▪ <code>dbpedia:Lombardy</code>
	▪ <code>dbpedia:Milan</code>

Michelangelo Merisi da Caravaggio (29 September 1571 – 18 July 1610) was an Italian artist active in Rome, Naples, Malta, and Sicily between 1593 and 1610.....

GeoNames Home | Postal Codes | Download / Webservice | About

Map center : N 44° 56' 1" E 10° 14' 21"

powered by Google

displaying Geonames id : 3173435

GeoNames Wikipedia

Name	country	feature	km to center
1 Milano	Italy	seat of a first-order administrative division	0 km

Export : csv | png

1UP 930 HIGH SCORE 16440

What about social media?



Comments

NOVEMBER 29, 2012, 10:37 A.M.

I just 'played' that Passage 'game' and it was the most boring 5 minutes of mawkish sentimentality I've experienced in my entire life -and I've heard at least 2 Coldplay songs!

This is not a game.

Posted by Jef2D

NOVEMBER 29, 2012, 10:45 A.M.

Homeworld

Posted by warren

NOVEMBER 29, 2012, 10:55 A.M.

Perhaps Wolfenstein 3D, or a variant of Doom or Quake should be on this list? id Software released some of the most influential and original games in the history of media. Half-Life was also incredibly influential and popular as well. And there were certainly strong elements of creativity (3d level design, texture design, monster creation and behavior) throughout the games in this genre.

Posted by Brian Van Nieuwenhoven

NOVEMBER 29, 2012, 11:32 A.M.

Most definitely some early 3D First Person Shooter as the previous poster argued. Either Half-Life, Quake, Doom. Also, in the age of internet and on the subject of communication between people-object-people, some form of a Massively Multiplayer Online Role Playing Game is lacking; EverQuest, Ultima Online or World of Warcraft.

Posted by Nick

NOVEMBER 29, 2012, 11:34 A.M.

Shadow of the Colossus belongs. The game that screams "art" while playing like none other. Great idea, love the initiative.

Posted by Mark

NOVEMBER 29, 2012, 11:40 A.M.

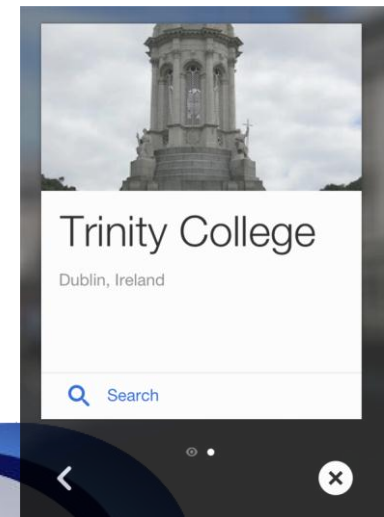
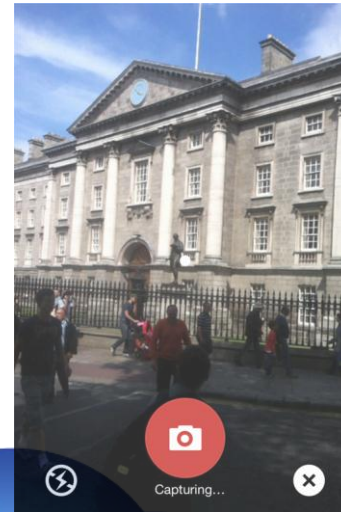
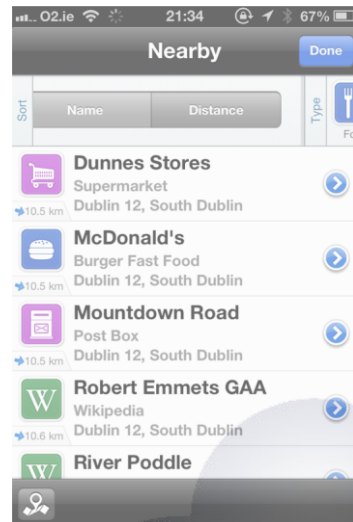
Design, Technical Innovation, Music, Post-Modern Art, Underground Culture, Visual Beauty and game mechanics. Jet

- Social media IS user-generated content.
- Social media mainly used for profile raising and marketing, but communities centred around

Smartphones



Smartphone developments



- GPS. Location-driven services. Image Recognition. Cameras. Mobile apps. Social media. 'Augmented Reality'

GPS & Apps



- GPS 'knows' where you are; the compass knows what way you're looking. The app 'tells' the cloud-based service, which sends something to the screen of your phone.
 - Maps,
 - Game elements
 - Tourism/cultural information

Image Recognition



Trinity College

Dublin, Ireland

 Search



- From camera to app to cloud...to screen
 - Google goggles, recognize.im, IQEngines...

Google goggles

QR Codes

Black coat with kimono-style sleeves: nylon/polyester, designed by Yohji Yamamoto, Japan, 1994.

Black asymmetrical skirt: wool, designed by Yohji Yamamoto, Japan, 1993.

Black hoop skirt: rayon/polyester, designed by Yohji Yamamoto, Japan, 1995. Worn with leather Borba Margo belt, 2007.

Photo: Gene Sherman by James Mills. Commissioned by Harper's Bazaar Australia.



Black coat and asymmetrical skirt gift of Dr Gene Sherman, 2009. 2009/16/52, 2009/16/51; hoop skirt lent by Dr Gene Sherman



Black coat
<http://www.powerhousemuseum.com/collection/database/?itm=384529>



Black skirt
<http://www.powerhousemuseum.com/collection/database/?itm=384529>

This is a QR code, a

- Camera snaps code, app sends to cloud, data sent
 - Relative less expensive than custom image recognition

“Augmented Reality”



- Camera, GPS and image recognition trigger data feed.
- A layer of extra data, controlled by the user.

“Augmented Reality”



- ‘Marker’ recognition triggers data feed.
- Screen shows reality, augmented

Google Glasses



- Camera and display on head, wifi/bluetooth to phone for GPS, apps & data. Issues around privacy, safety...but...

Games – the cutting edge?



- Games are free to suspend reality, and to experiment without the need to be consistent with reality.

👉 So What? 👈



What is the impact for digital cultural heritage?

Long term challenges

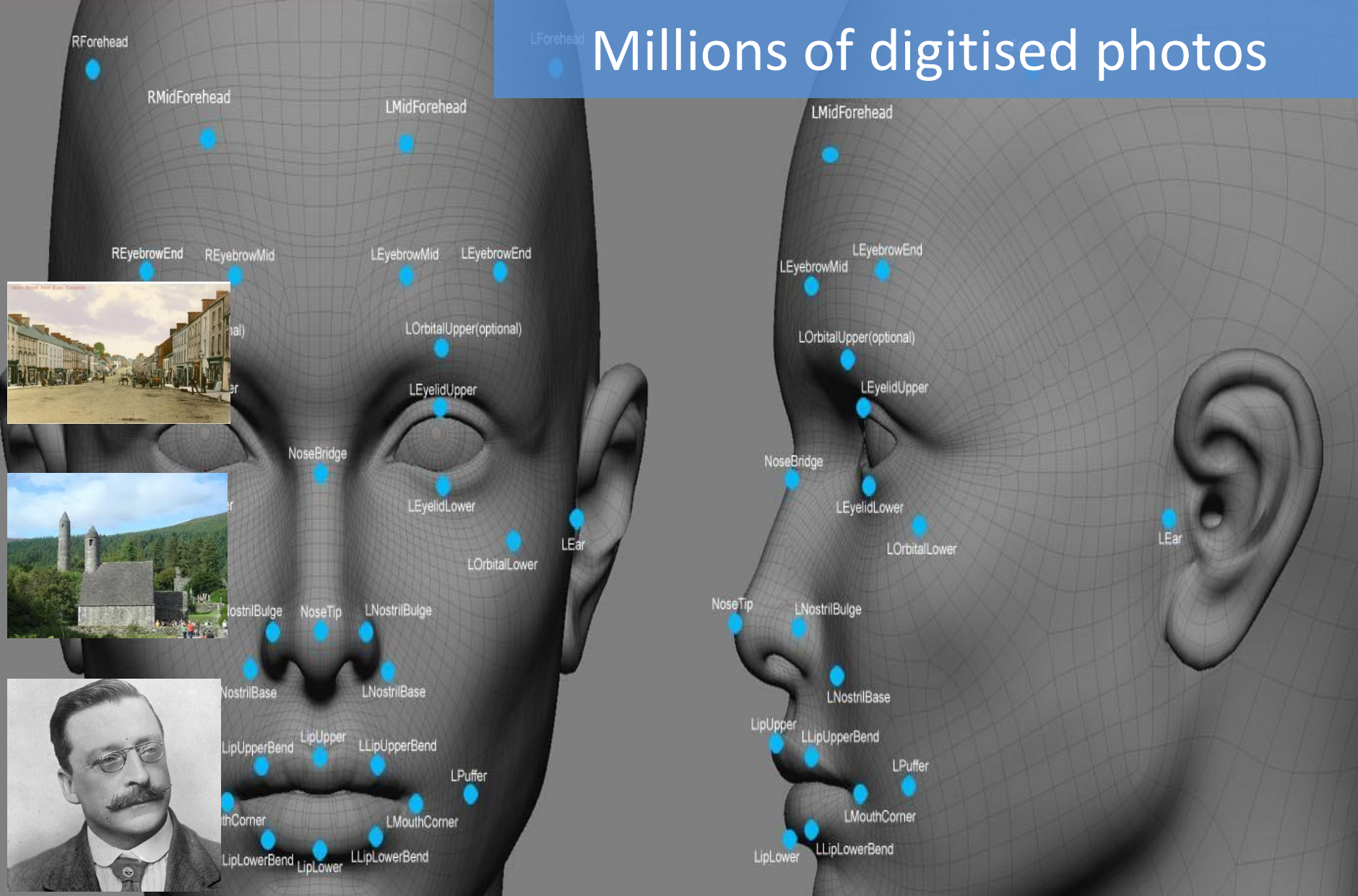


She also saith That vizt
about July 1642 the said the
ffarrells and their souldjers
in the night tyme secretly
killd some few ould men
and some sick souldjers,



- Images with no metadata
- Content without context
- Flawed language impedes search and other services
- User Fatigue

Millions of digitised photos



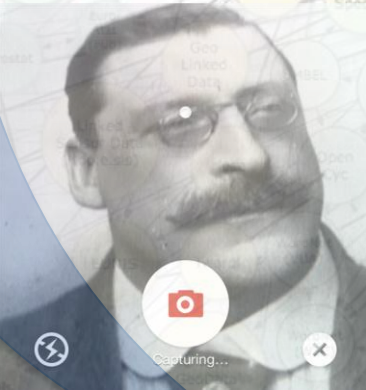
- OCR gives us letters → data.
- Image recognition to generate metadata for digitised photos .

Faces of the Rijksmuseum



- Uses Rijksmuseum API and Face.com API.
- Extracts the faces from artworks.

Photos with no descriptions?



About: [Arthur Griffith](#)

An Entity of Type : [agent](#), from Named Graph : <http://dbpedia.org>, within Data Space : [dbpedia.org](#)



Arthur Griffith (Irish: Art Ó Gríobhtha; 31 March 1872 – 12 August 1922) was an Irish politician and writer, who founded and later led the political party Sinn Féin. He served as President of Dáil Éireann from January to August 1922, and was head of the Irish delegation at the negotiations in London that produced the Anglo-Irish Treaty of 1921, attending with Michael Collins.

Unidentified images?



Content without Context



`dcterms:subject`

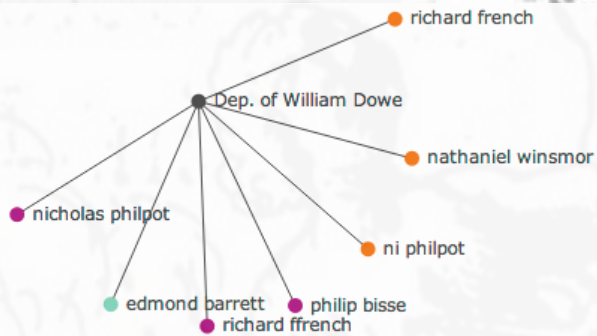
- `category:Members_of_the_1st_Dáil`
- `category:Members_of_the_2nd_Dáil`

About: Members of the 1st Dáil

- `dbpedia:Eoin_MacNeill`
- `dbpedia:Richard_Mulcahy`
- `dbpedia:W._T._Cosgrave`
- `dbpedia:Austin_Stack`
- `dbpedia:Ernest_Blythe`



- Who else is in the first Dáil?
- WT Cosgrave, for one.



Deposition of William Dowe - 1642/4/26

seuerall persons namely Edmond Barrett alias Cask yeoman of Ovens aforesaid, Nathaniel Winsmor clerke, John Wedge that were & still are indebted vnto this deponent in the sume of 5 li. & although he esteemed the same to bee goode debte, before this rebellion, yeett in regard the said Edmond Barrett is ~~nowe~~ in rebellion & that the rest are soe disenabled in their estats he expects neuer to gett any satisfaction And further he cannot



- Automating the identification of key places and person.
- And how they relate to each other.

And about the same tyme the eldest daughter of Tho: Crogen of the Callough was drowned, & fowre twoe more nere starved for want of meat and clothes

And with all she told her that shee herself was to have bin murdered but escaped

And this deponent further saith that she hath beene divers tymes told both by the Irish themselues

And about the same time the eldest daughter of Thomas Crogen of the Callough was drowned, & four two more near starved for want of meat and clothes

And with all she told her that she herself was to have been murdered but escaped

And this deponent further says that she has been divers times told both by the Irish themselves



- Alternative spellings, variations, dubious punctuation.
- Sample from 1641 depositions.

Visitor Fatigue

apps

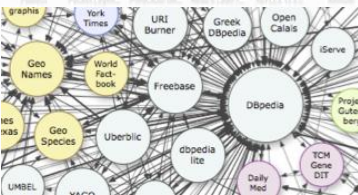


- Better in-house information can be cheaply delivered via the web or in an app.
- Games and Augmented Reality can bring the material to life and engage the user
- Maps tie the old and the current together and encourage a sense of relevance
- Strong social networks help to maintain interest, discussion and support

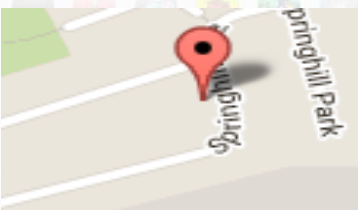
Summary



User content & social media matter

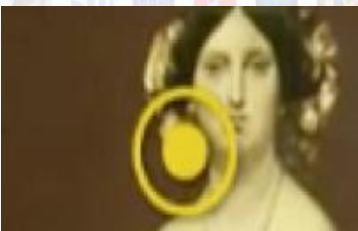


Look at the potential of linked open data



Maps are everywhere.

**Try goggles
and G+**



Look out for augmented reality.

Play games



- Thank you for your attention

www.cultura-project.eu/1641/ 

Add a listing

Let's search for your business. Enter your details here.

Business name


Country / Region

Street address

[add line](#)

City

County

Main business phone
 

Category

We didn't understand your category. Please select from the suggestions that appear when typing.

My business has service areas where I visit customers at their location - [Important information](#)

I serve customers at my business address

I deliver my goods and services to:

[Add](#)

Within of my business

