

Wikidata at The National Library of Wales

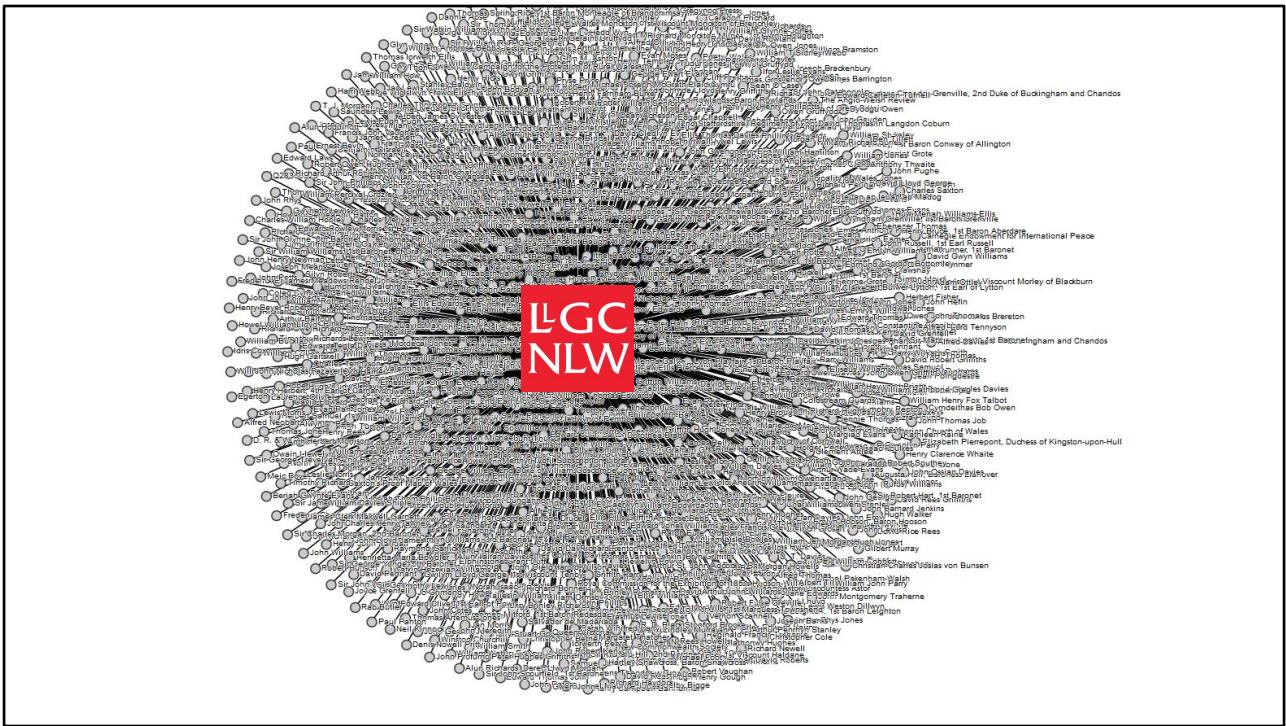
@Wiki_NLW

LlGC
NLW



Started abt 5 yrs ago when wikidata was very new

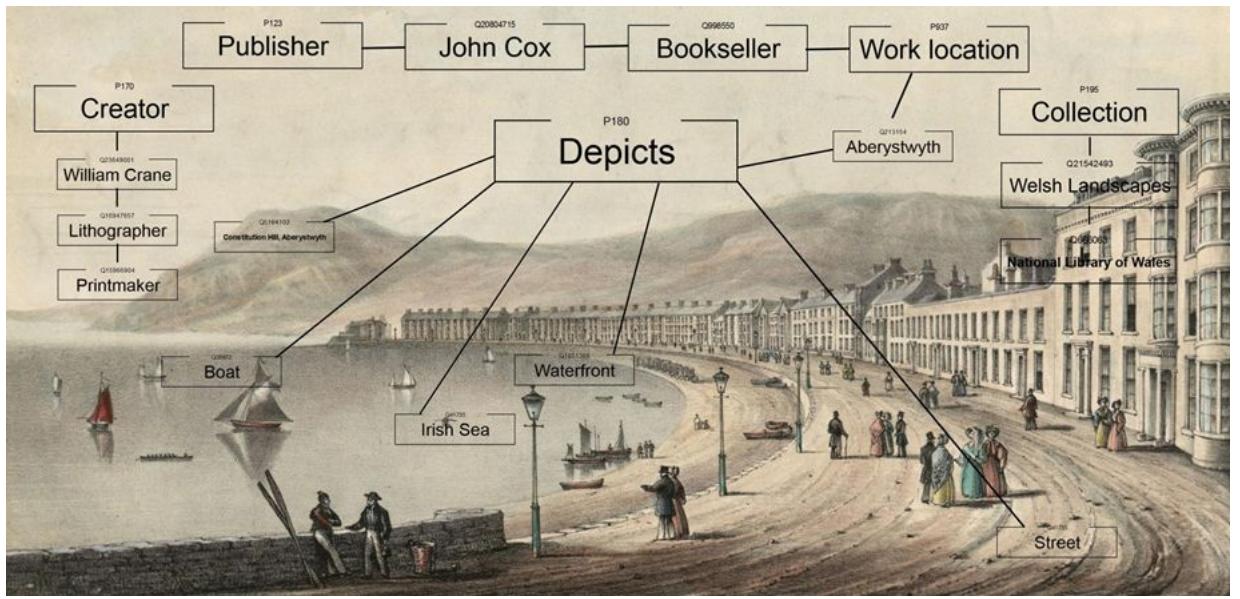
Initially the aim was to use it as a platform to give open access to data - especially data for digital images we were sharing to Commons



We now have lots items on Wikidata about our collections or in some way connected to our collections

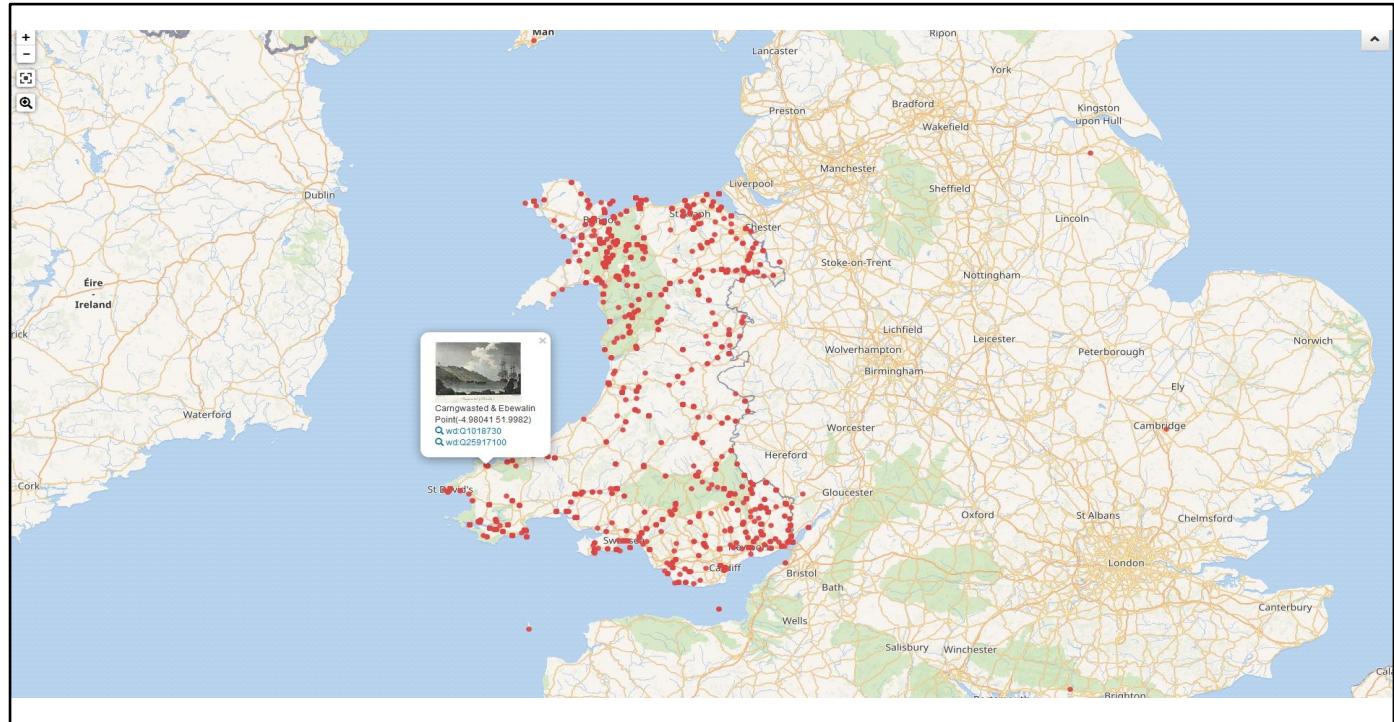
Including 15k artworks, 30k books, entries for 5k people in DWB and other smaller datasets

And as the volume of data has increased so to have the connections between our collections, and the collectitons of other institutions

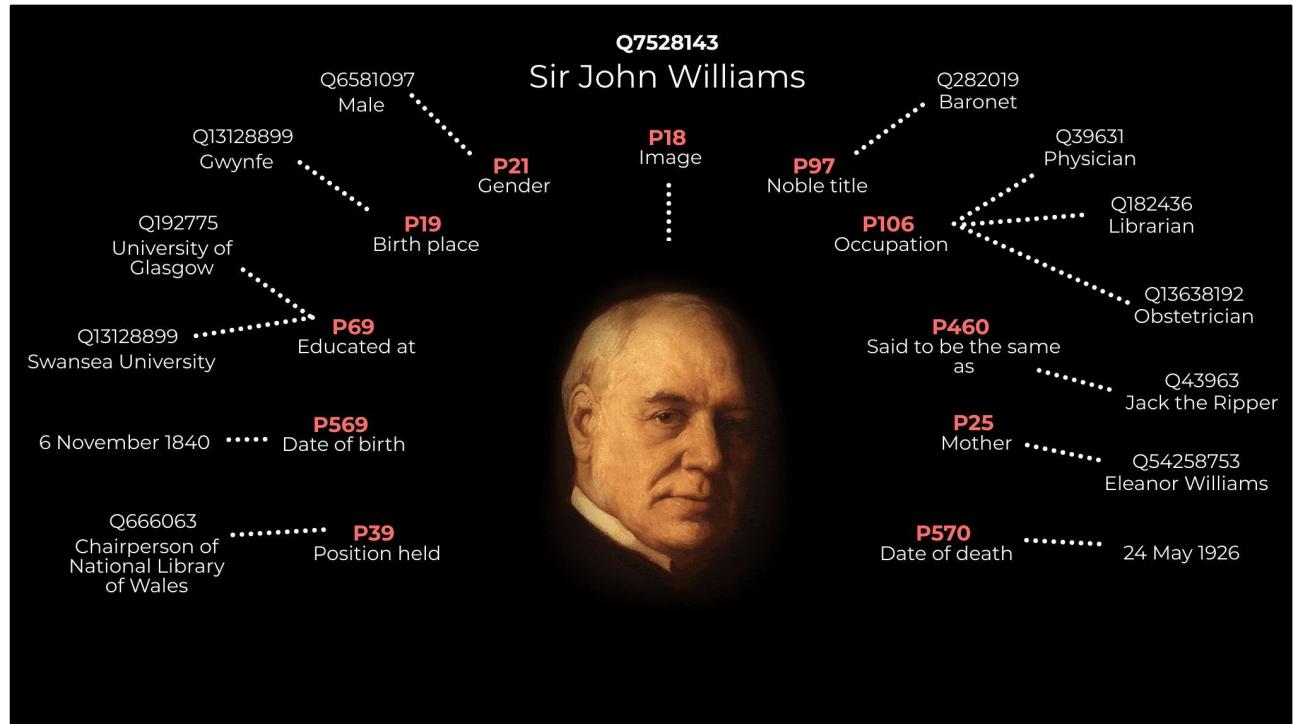


We focused on quality over quantity - extracting as much information as possible from our metadata.

Welsh landscapes



Coordinates. Mapping place name tags to wikidata entities



Dictionary of Welsh Biography

So this is now the kind of data we have for everyone in the DWB

Artists & sitters



LlGC
NLW

Authority
Files

Book trade in Wales



Y Bywgraffiadur Cymreig
Dictionary of Welsh Biography

Scribes and Authors of Books & Manuscripts



The structured nature of linked data means we can also begin connecting different collections and data sets from the library.

Breaking down scilo's

explain

Oxford DNB entries

1253

-  426 Archives at NLW
-  343 Portraits in NPG
-  222 Gave speech in Parliament
-  147 Encyclopedia Britannica entry
-  64 Has commemorative plaque
-  7 Nobel prize nominations

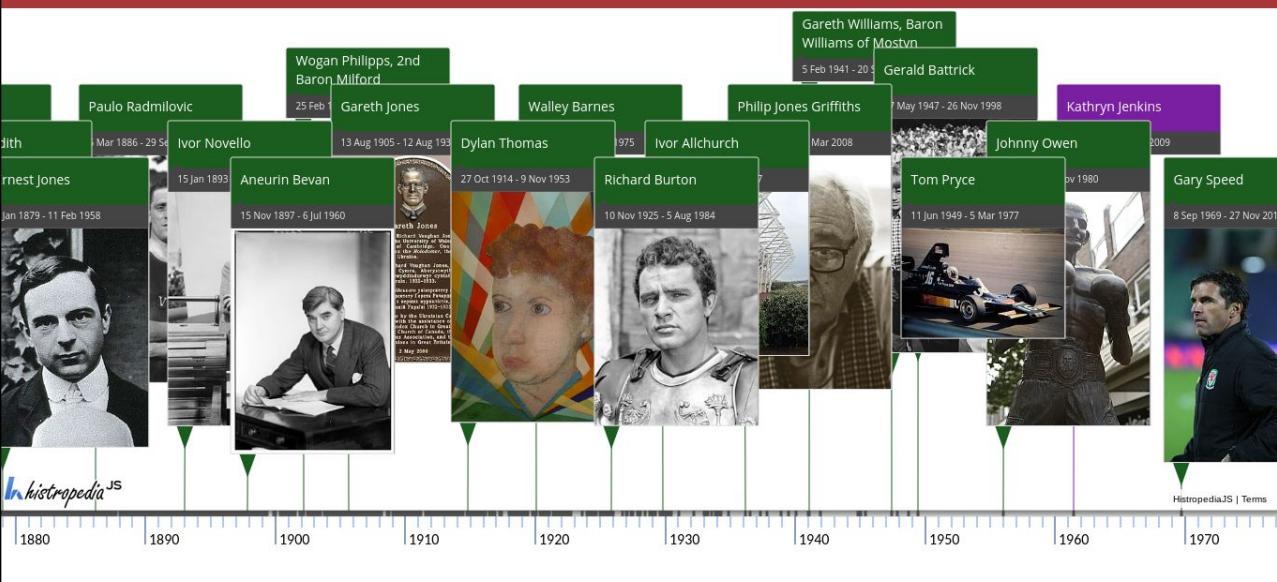
External collections too.....

[Link](#)

Search the Timeline



Y Bywgraffiadur Cymreig
Dictionary of Welsh Biography



Adding links to external resources on DWB website - using Wikidata, and also developed a timeline for searching and filtering content and this uses wikidata, images from commons and wikipedia text.

Challenges

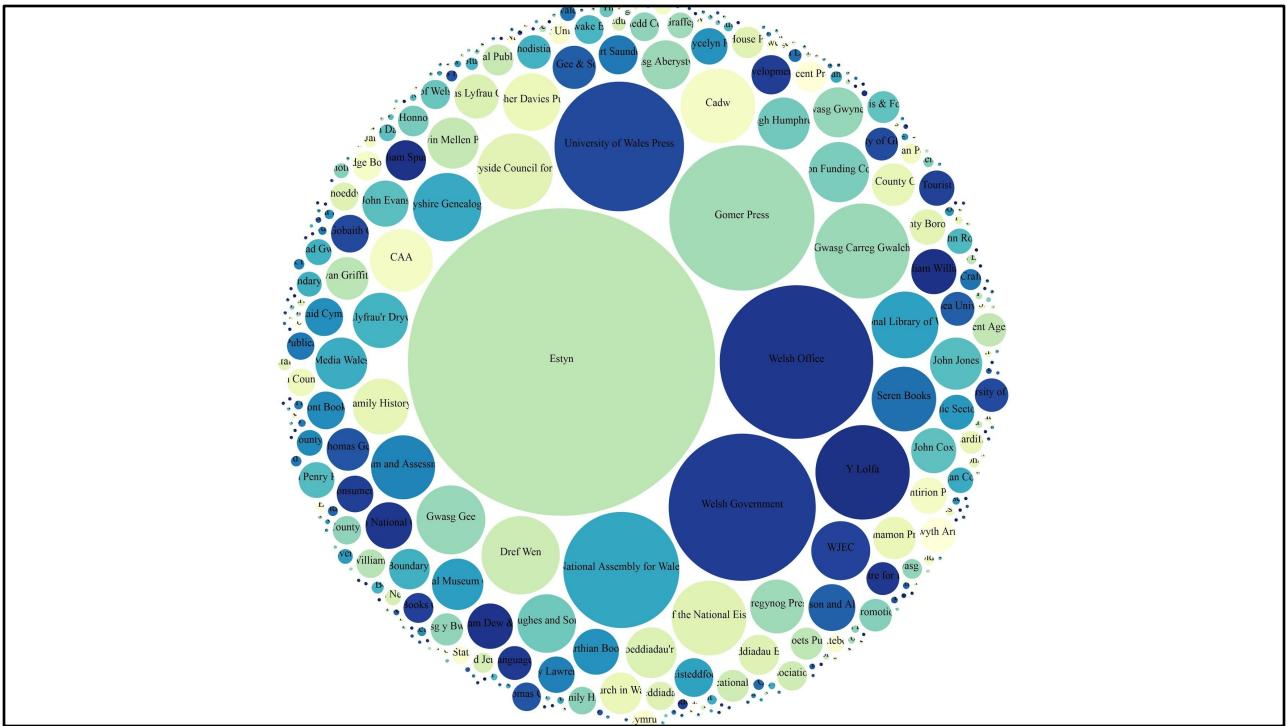
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The main challenge - technical aspect of mapping data to wikidata

Documentation is getting much better but it can still be difficult to understand how to process and upload large datasets. I mainly work with spreadsheets but other use open refine a lot or if you speak languages like python there are ways to do things.

It can also be a challenge to ensure you are describing things correctly. Wikidata has great guidance on which properties to use to describe art works for example - but guidance for some other types of content like manuscripts was less developed

You may need to make requests for new properties to be created for example.



The richer the data you add the more it will be enriched - and the better the connections you can make with other content

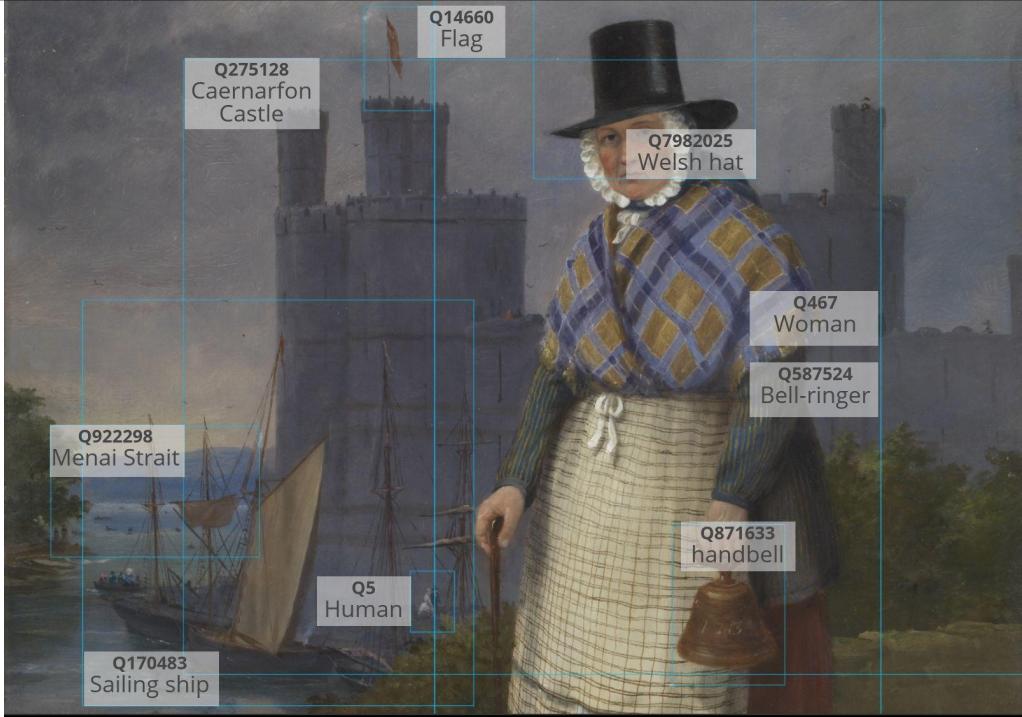
So often for an upload this means not only mapping data to Wikidata, often manually, but also creating new items for things which are not yet in Wikidata. We've created 1000's of items for artists, schools, government departments etc

For our welsh literature project we created items for almost all the publishers you see here in order to create decent data for books. We also managed to match or create items for a lot of authors with data from OCLC and others but this can be time consuming and cant always be automated

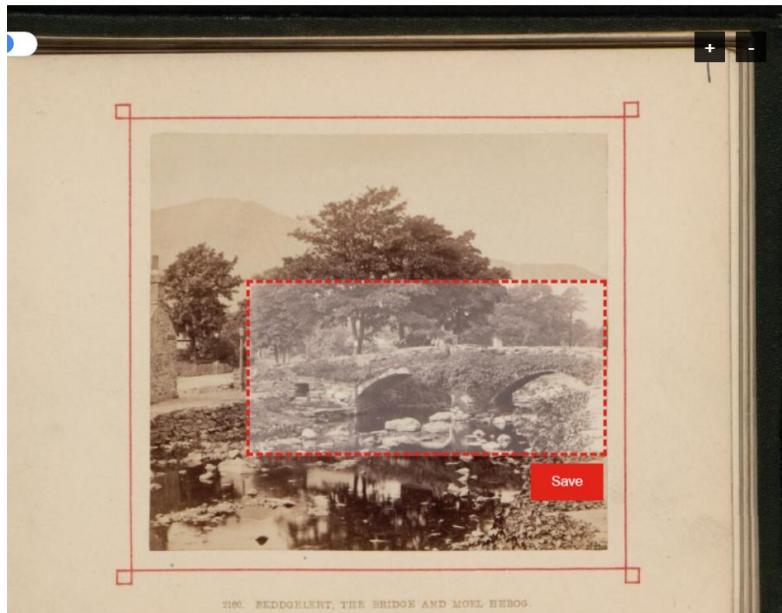
Opportunities

With more time or money the possibilities for Wikidata are immense

A number of ideas and early concepts we would like to take forward



Volunteer task to tag wikidata entities depicted in our collections using IIIF annotations and storing on Wikidata

[Previous Image](#)[Next Image →](#)Tag 'things' on page X

Move the red box to draw box around objects or 'things' that appear in the photograph and tag them (i.e. say what they are). For example cars, people, trees, building, chimney etc.

Start typing to find a relevant tag. ?

structure built to span physical obstacles

[Next ➔](#)

card game

room or platform from which a ship can be commanded

fixed dental restoration used to replace missing teeth by joining an artificial tooth definitively to adjacent teeth or dental implants

[Bookmark](#)

an elevated road or railway or section thereof

 [Flag as inappropriate](#) [Mark as complete](#)

Developing further and encouraging this into our own crowdsourcing platform.

With more time this could be developed further, we could explore the use of AI to identify and tag wikidata entities in images and text - giving us access to the wealth of data and connections those entities contain.



Dwynwen
Search
Browse
Map

Language English

26 Results

Type Creator Genre Collection Subject heading Depicts Published in Minimum 3

Page 1



print
8797 results



photograph
6388 results



painting
1721 results



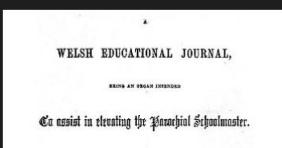
oil painting
857 results



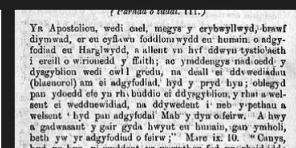
drawing
833 results



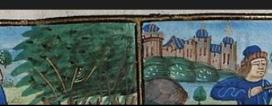
watercolor painting
606 results



periodical
308 results



Yr Apostoliwn, wedi olini maeogr y cydweithred, brawf ddiwrnodol, ac ymffurfio'n ddilys i'r gwaith a phrifodid ei'n Hanesydd, a hanes yr haf oedd y tytiochan i orull o wyrionedd y Ffath; ac ymddengys nad oedd y dygryblion wein i'w lladdu, na deall ei'adweidiadau (blasenau a phrifysgol) hyl y pryd hyn; oledig d yn ydweiddi ebyd yna'n addu i'r gwydr yng Nghymru, a'i wneud i'w gynnwys i'r gwaith a phrifodid ei weddwnewiad, na ddywedol i mi: y pethau a wleint 'hyd pan adgyfodol Mab y dyn o fewn.' A hwy a gadwansant y gair grŵy hwynt en hunain, gan ymholi, beth yw yr adgyfodol o fewn: 'Mare ix. 10. "Gwya, hwy'n hysni i'w gwydr i'r gwaith a phrifodid ei'adweidiadau."



This is our linked data image browser which is based on an existing website called crotos which has been adapted to search all visual content from the NLW on Commons and Wikidata.

We want to develop this idea to offer our users new and improved ways of searching, discovering and just exploring our digital assets, and ultimately we want to have our own triple store, or linked data which can interact with Wikidata so that we can offer users services which are powered both by our authoritative metadata but also the wealth of extra data that can be added through Wikidata.

