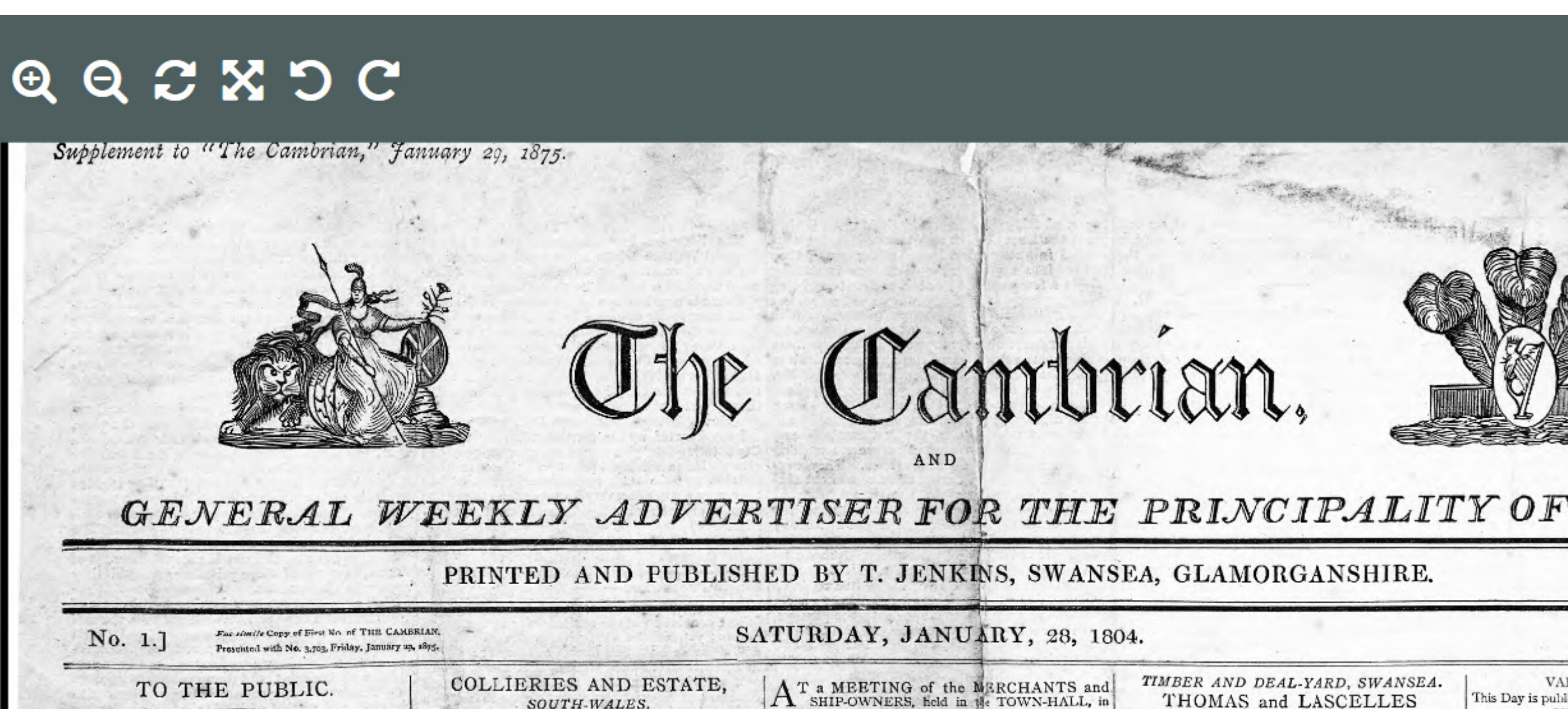


Welsh Newspapers Online

<http://welshnewspapers.llgc.org.uk>

NLW has a large collection of digitised historical newspaper content and has customised the open source **Open Sea Dragon** viewer into a generic viewer using the **IIIF Image API**. NLW previously had to develop a bespoke viewer for each project which relied heavily on local development resources and a large maintenance overhead.

- Over **1.1 million newspaper pages** - 15 million articles - made accessible to the public for free using the IIIF standard.
- Promotes and facilitates reuse by exposing linked data.

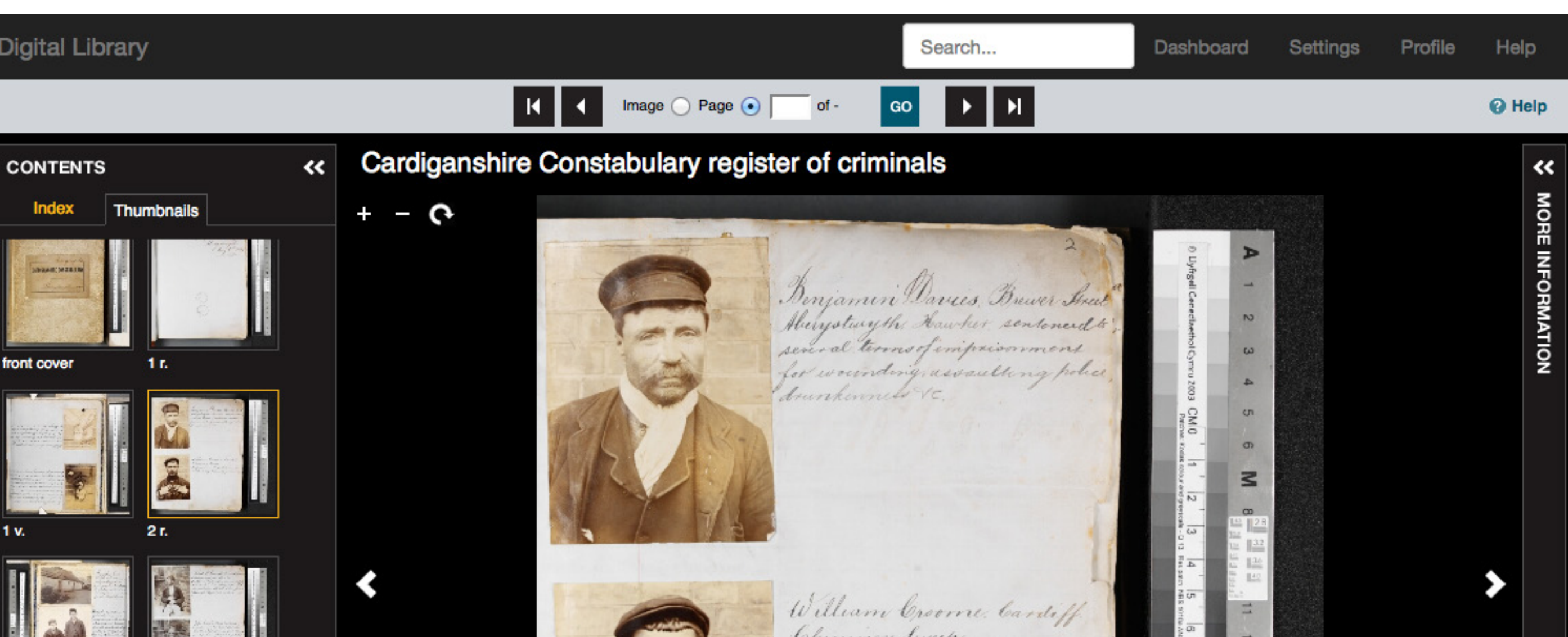


Embedding IIIF in our Digital Architecture

<http://player.digirati.co.uk>

NLW roadmap to develop a **Digital Library** discovery interface exposing data through the **Wellcome Trust Viewer** - just one of the viewers available for the **IIIF Presentation API** and **Image API**. This will allow a range of content including manuscripts, books, maps, photographs and artwork to be discovered and displayed through a consistent bilingual viewer.

- Using a digital library as a core service.
- Delivering content through the **Wellcome Trust Viewer** developed by **Digirati**.
- Clean interface for developers.
- 10 years of digitisation projects and legacy content.



IIIF in Action

Glen Robson and Alan Vaughan Hughes

What is IIIF?

The **IIIF standard** defines two APIs which allow access to digital images and metadata. IIIF defines a protocol to allow interoperability between digital repositories. The **National Library of Wales (NLW)** has implemented both the **Presentation API** (metadata) and **Image API** (digital images) that have allowed us to collaborate in a number of projects that would have otherwise been more difficult or not possible without this public API.

- **International Image Interoperability Framework.**
- Exposure and access to digital images and metadata.
- Interoperability between digital repositories.
- Plug-and-play software.
- Promotes reusability.

Benefits of IIIF

- Promotes the exposure and sharing of digital images.
- De-silos data (interoperability).
- Corrections and connections can be made straight away.
- No physical transfer of digital images.
- No loss of control of digital image content.
- Native support for multilingualism.



Multilingualism

NLW is a multilingual institution which is required to provide public services in both Welsh and English. The IIIF standard allows metadata to be in multiple languages and NLW is working with the Wellcome Trust Viewer to ensure it is capable of supporting a fully bilingual interface.

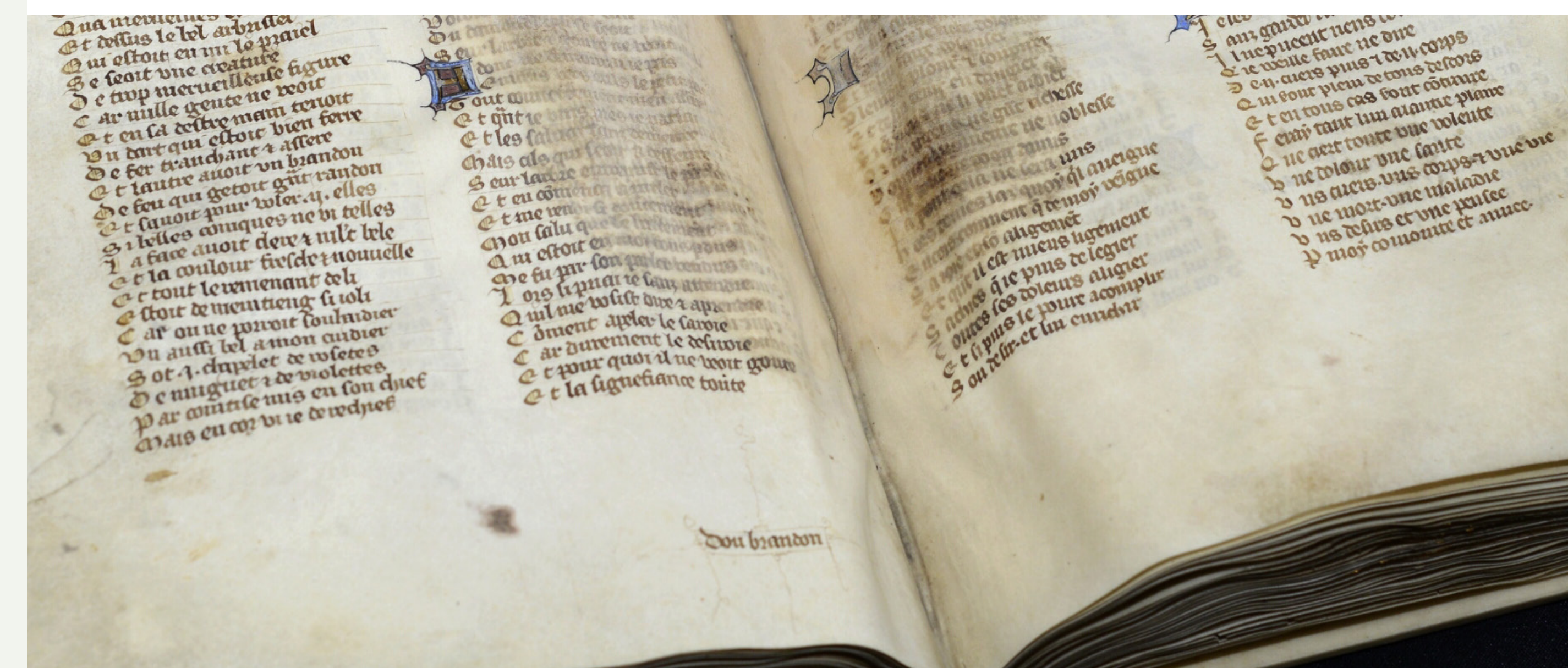
- IIIF standard supports multilingualism.
- NLW - English and Welsh.
- NLW are working with Digirati to ensure the Wellcome Trust Viewer support multiple languages.

Guillaume de Machaut Manuscript

http://guillemedemachaut.com/mirador/index_nlw5010c.html

NLW has shared a manuscript hosted in the NLW digital repository with researchers at **Stanford University** who intend to transcribe the content and collaboratively investigate the manuscript. Being able to share this manuscript using **IIIF** increases the exposure and impact of NLW collections and also allows external researchers and content aggregators to import digital objects into their own tools for collaborative analysis.

- Exposing our collections for international research and collaboration.
- Allows researchers to investigate dispersed digital objects in their own tools (e.g. T-PEN).



Cynefin

<http://cynefin.archiveswales.org.uk>

NLW is working with the local authority archives in Wales and **Klokian Technologies** to develop a crowd-sourcing, georeferencing and transcription tool to allow the public to enrich tithe maps created in the 1800s. The digital images and metadata are stored in the NLW digital repository and are shared with **Klokian** using the **IIIF standard**, negating the need to send digital images on hard drives and agree a common metadata standard.

- Crowd-sourcing web application developed with Swiss company **Klokian Technologies**.

