



# The Convergence of Open

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[@mlpoulter](https://twitter.com/mlpoulter)



*Caxton Showing the First Specimen of His Printing to King Edward IV at the Almonry, Westminster (1851) by Daniel Maclise. Public Domain, via Wikimedia Commons*

# Budapest Open Access declaration

“Removing access barriers to this literature will accelerate research, enrich education, share the learning of the rich with the poor and the poor with the rich, make this literature as useful as it can be, and lay the foundation for uniting humanity in a common intellectual conversation and quest for knowledge.”

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(2002)

(screenshot of copyright material removed: article is at

[https://www.washingtonpost.com/news/wonk/wp/2013/04/16/is-the-best-evidence-for-austerity-based-on-an-excel-spreadsheet-error/?utm\\_term=.502e9b75230d](https://www.washingtonpost.com/news/wonk/wp/2013/04/16/is-the-best-evidence-for-austerity-based-on-an-excel-spreadsheet-error/?utm_term=.502e9b75230d) )

# ReplicationWiki

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<http://replication.uni-goettingen.de/>

# Open Science

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Based on a list by Daniel Mietchen

# Cape Town Open Education Declaration

“These open educational resources should be freely shared through open licences which facilitate use, revision, translation, improvement and sharing by anyone.

Resources should be published in formats that facilitate both use and editing[.]”

<http://www.capetowndeclaration.org/read-the-declaration> (2007)

# Histropedia Query Viewer

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- play (12)
- poem (6)
- historical work (4)
- literary work (4)
- essay (3)
- non-fiction book (2)
- pamphlet (2)
- science book (2)
- fiction (1)
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- reference work (1)

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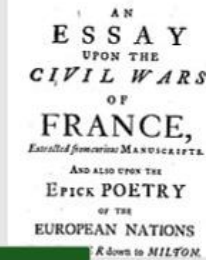
Œdipe

1717



An essay on the civil wars of France,

1727

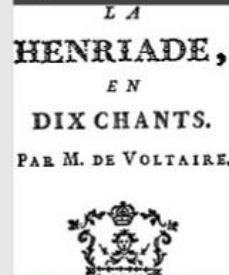


Éléments de la Philosophie de

1738

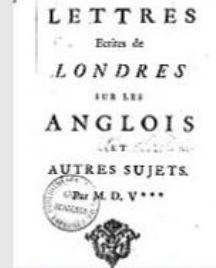
La Henriade

1723



Lettres philosophiques

1734



La Princesse de Navarre

1744

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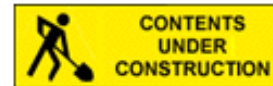
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[Elizabeth Anderson](#) and [Jeffrey Jones](#)



This website explores the spatial distribution of racial groups in the United States, its historical and contemporary causes, and its consequences for racial inequality. Location matters for one's access to many goods: decent housing, employment opportunities, voting power, education, low-cost public services, a clean environment, connections to influential people. Managing the spatial distribution of racial groups has therefore been a key tool for controlling who gets access to these goods. This website focuses on the role of government and laws in constructing the spacial distribution of racial groups, although some attention is also paid to private sector actions. The interactive maps and other information contained in this site reveal several dimensions of this process.



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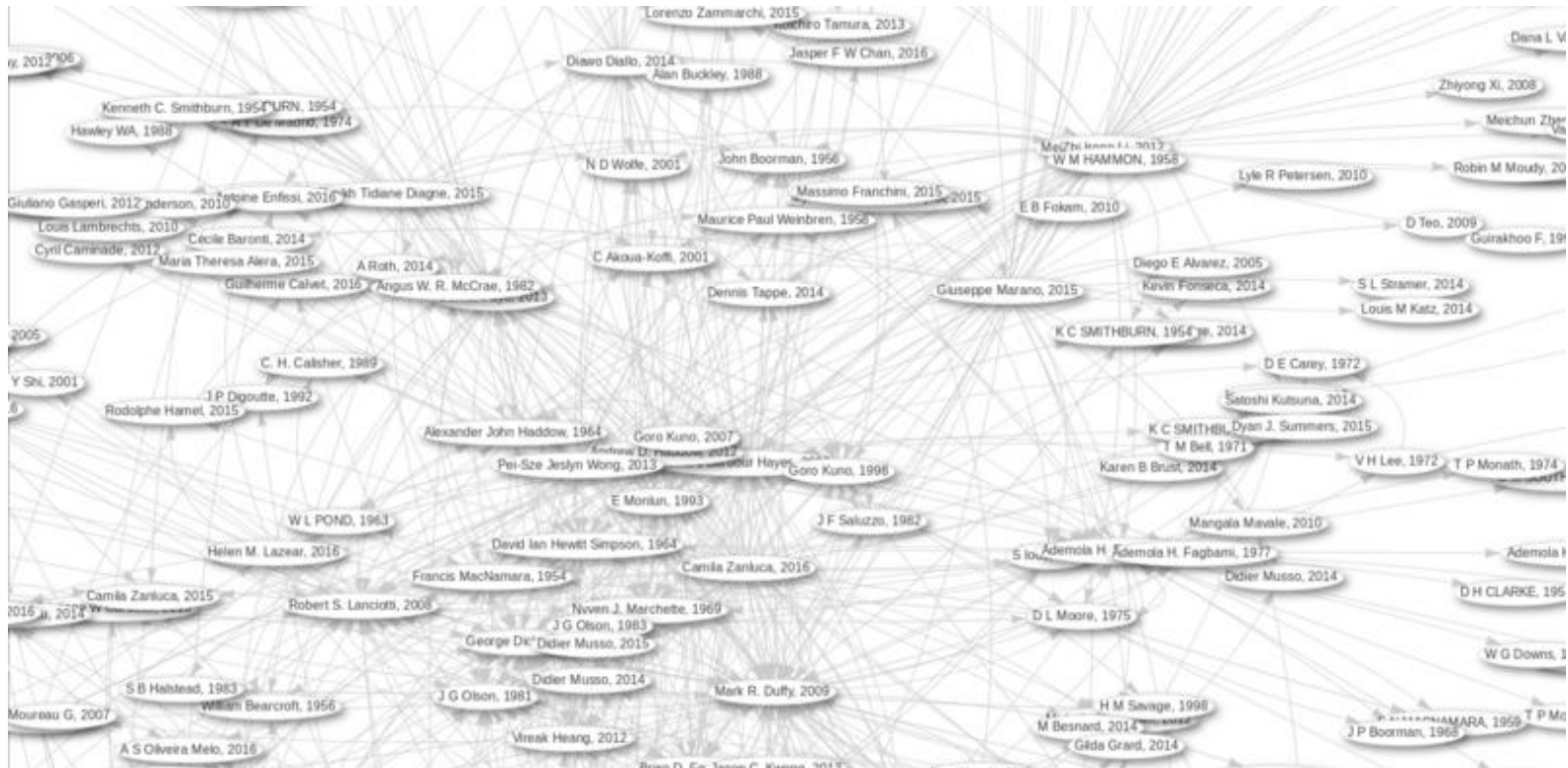
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<https://pantonprinciples.org/>



<http://tinyurl.com/yanlzml>

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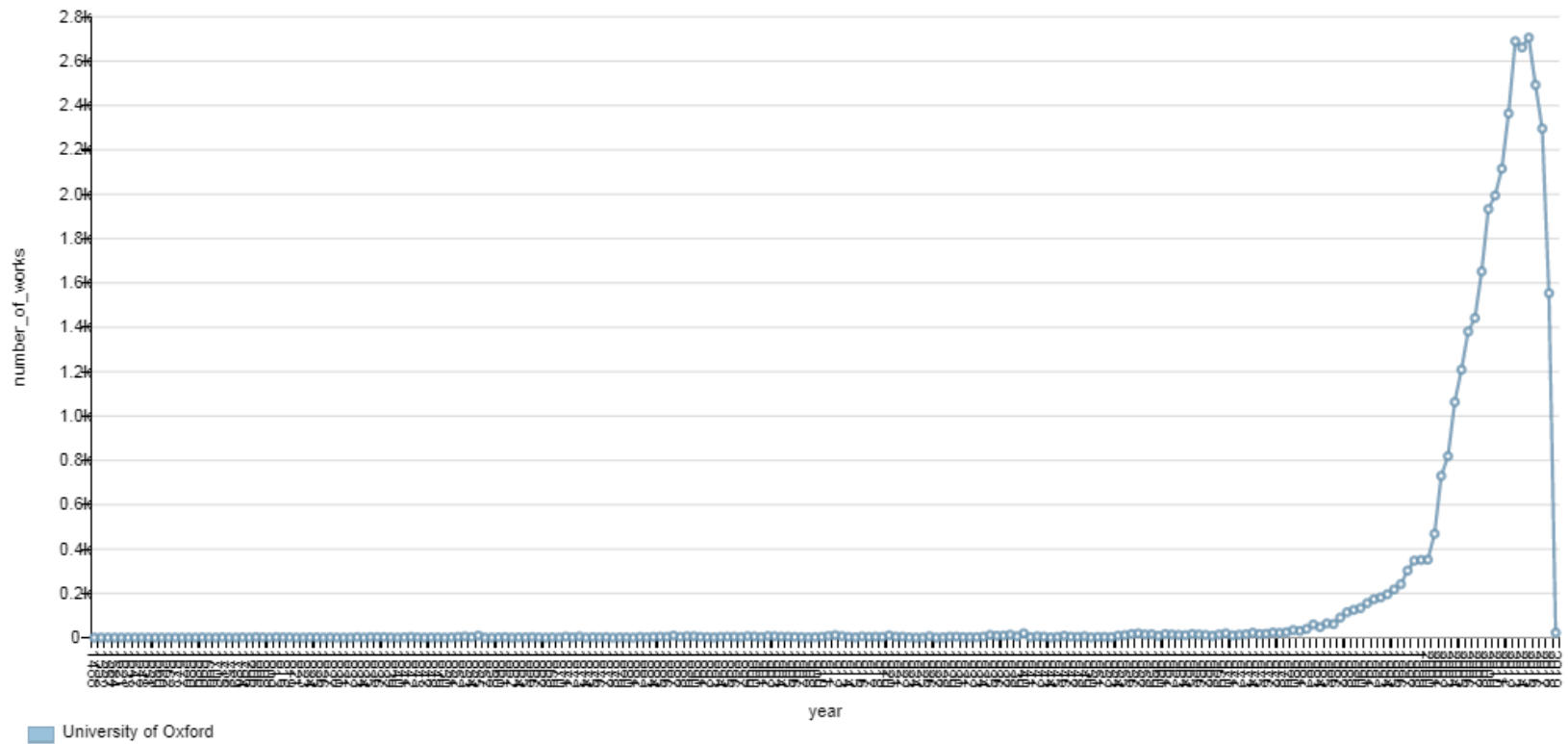


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– Dario Taraborelli, Wikimedia Foundation

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# Open Culture

“The internet [allows] users not only to **enjoy** the riches of the world’s memory institutions, but also to **contribute, participate** and **share**.”

- Open GLAM Principles

<http://openglam.org/principles/>

**WOW, AN ARROW.**



**SOOO ORIGINAL.**

[Jean Bourdichon, The Martyrdom of St. Ursula](#)

via the Reddit forum  
“Tripping Through Time”

  8  5 **Mary Wollstonecraft** @1759MaryWol1797 · Jan 13

Education is the first step to form a being advancing gradually towards perfection, not only a preparation for life.

  4  **Mary Wollstonecraft** @1759MaryWol1797 · Jan 12

Let England and America beware of the consequences: the tyranny of wealth is still more galling and debasing than that of rank.

  4  **Mary Wollstonecraft** @1759MaryWol1797 · Jan 12

England and America owe their liberty to commerce, which created a new species of power to undermine the feudal system. 1/2

  1  **Mary Wollstonecraft** @1759MaryWol1797 · Jan 10

(Instead of solely seeking love) Women ought to have the nobler aim of getting respect for their abilities and virtues.

  10  15 **Mary Wollstonecraft** @1759MaryWol1797 · Jan 10

This homage to women's attractions has distorted their understanding



# Image restoration

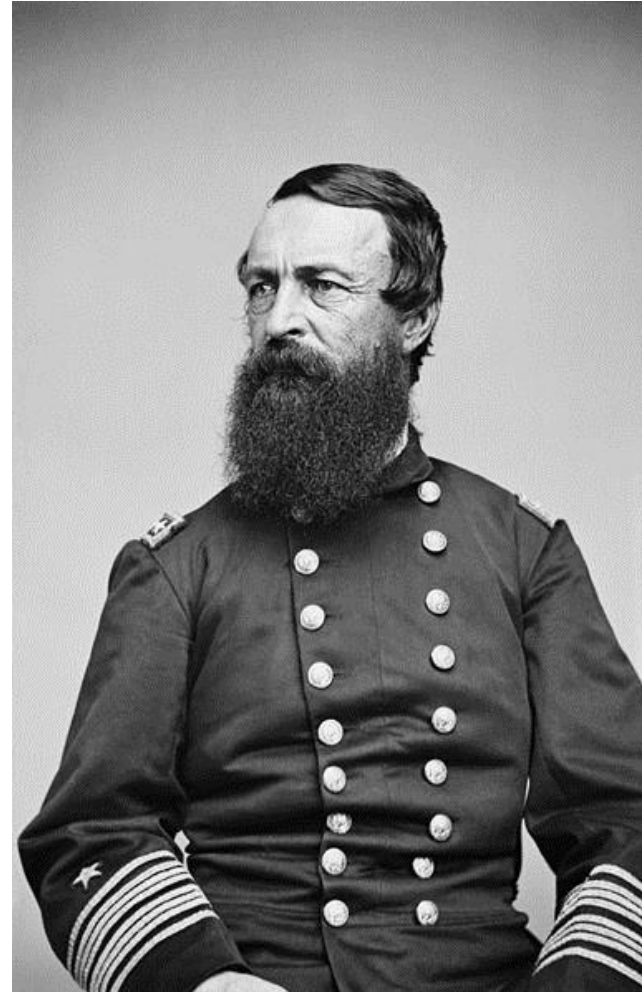
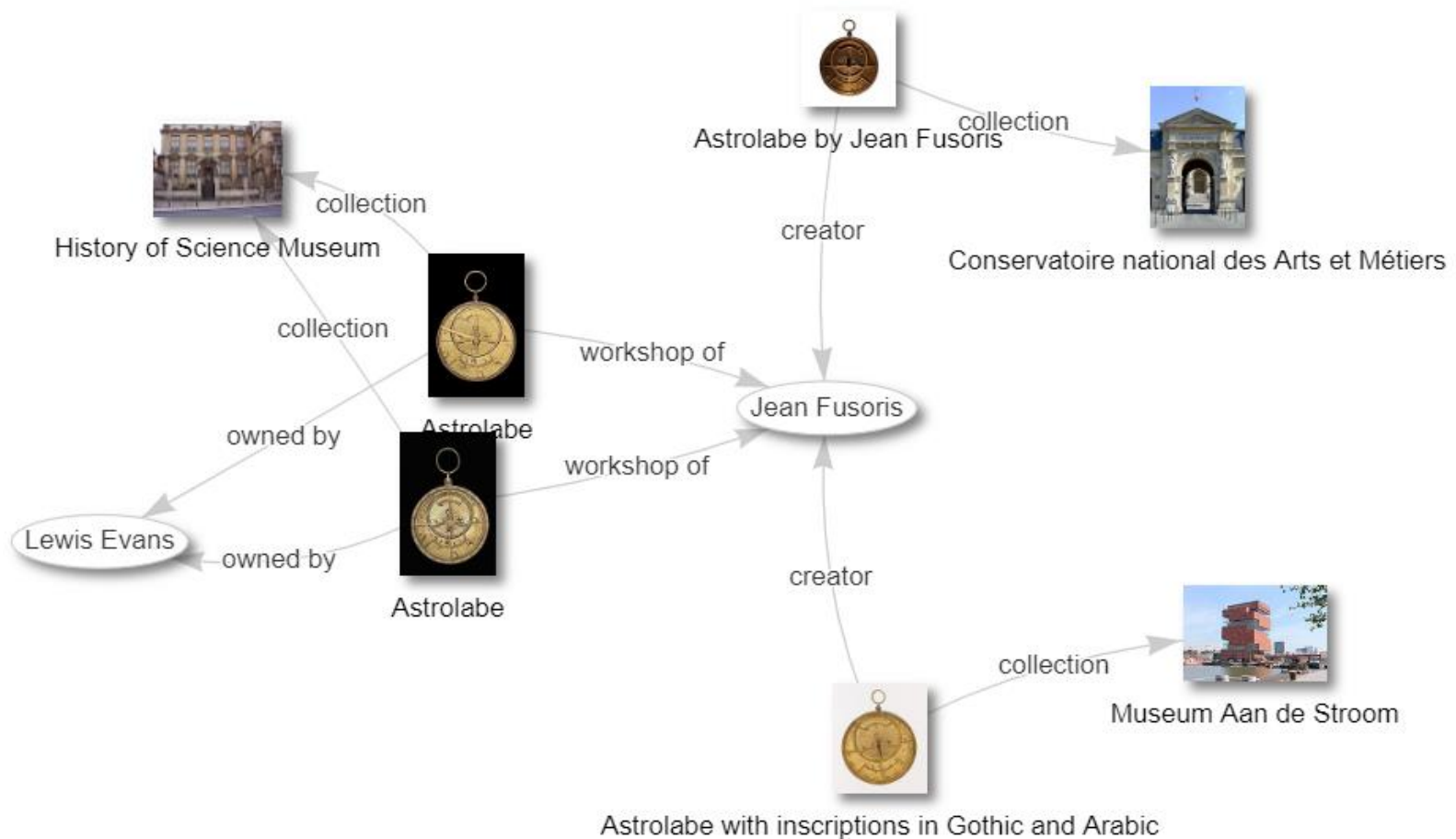


Image from Brady National Photographic Art Gallery restored by Wikimedia Commons user Adam Cuerden

# Astrolabe data sharing



# Library and museum data sharing

## Ignazio Danti (Q948226)

Pellegrino Rainaldi Danti | Egnazio Danti | Egnatio Danti | Pellegrino | Pellegrino Danti de' Rinaldi | Pellegrino Danti De' Rinaldi Danti | Égnatsio Danti | Ignacio Danti | Иънацио Данти | 埃尼亚齐奥·当蒂 | إجنازيو دوناتي | Игнатий Данти

Italian mathematician and cosmographer

**Ignazio Danti** was a astronomer, cartographer, mathematician, priest, professor, and cosmographer.

He was born on April 30, 1536 in Perugia.

He was bishop. He worked for University of Bologna.

He died on October 19, 1586 in Alatri.

### Other properties

**employer** University of Bologna university in Bologna, Italy

**described by source** Brockhaus and Efron Encyclopedic Dictionary comprehensive multi-volume encyclopedia in Russian  
statement is subject of : [ЭСБЕ / Данти, Игнатий](#)

[BEIC Digital Library](#) digital library of the Biblioteca Europea di Informazione e Cultura Foundation, Milan

**religion** Catholic Church Christian church led by the Pope, consisting of the Latin Church and 23 Eastern Catholic Churches

**languages spoken, written or signed** Italian Romance language

**date of baptism in early childhood** 1536-04-29

**place of birth** Perugia Italian comune



### External sources

Angelicum author	95149
archINFORM person or group	12990
BAV	ADV10126455
Benezit	B00046681
BNE	XX901362
BnF	145332908
Bridgeman artist	8393
BVMC person	32362
CANTIC-ID	a10072287
Catholic Hierarchy person	<a href="#">danii</a>
CERL	cnp00476702

# Journal-to-Wiki publication

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<http://www.theatlantic.com/technology/archive/2016/05/people-love-wikipedia/482268/>

# Academic attitudes

"The key challenge for the scholarly community [...] is to work actively with Wikipedia to strengthen its role in 'pre-research.' We need to build stronger links from its entries to more advanced resources that have been created and maintained by the academy."

—Casper Grathwohl, Oxford University Press, *The Chronicle of Higher Education*, 7 January 2011  
["Wikipedia Comes of Age"](#)

# Academic attitudes

“If you're serious about ensuring public engagement in your research then you need to make damn sure your work can be incorporated into Wikipedia. Wikipedia is the most important engagement channel for your research.”



Cameron Neylon, Public Library of Science

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# Circular Permutation in Proteins

Spencer Bliven , Andreas Prlić 

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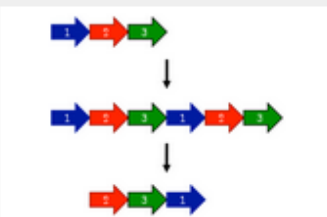
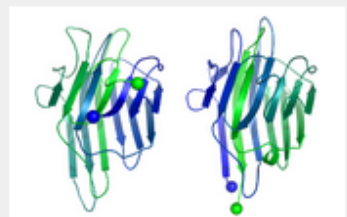
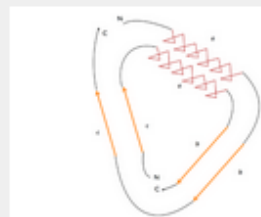
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The Role of Circular Permutations in Protein Engineering

**Citation:** Bliven S, Prlić A (2012) Circular Permutation in Proteins. PLoS Comput Biol 8(3): e1002445. doi:10.1371/journal.pcbi.1002445

**Editor:** Shoshana Wodak, University of Toronto, Canada

**Published:** March 29, 2012

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Topic Pages: *PLoS Computational Biology* Meets Wikipedia

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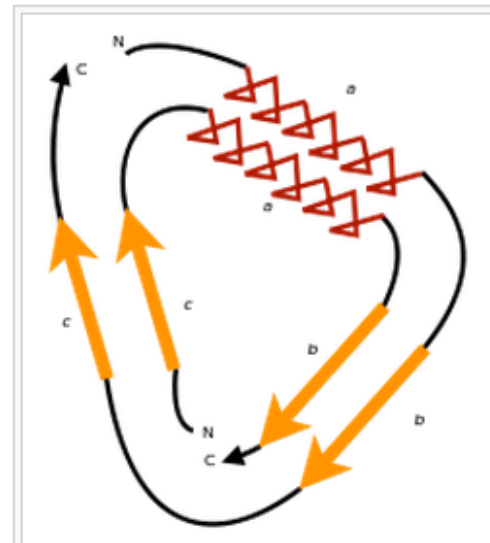
# Circular permutation in proteins [\[edit\]](#)

From Wikipedia, the free encyclopedia

A **circular permutation** is a relationship between [proteins](#) whereby the proteins have a changed order of [amino acids](#) in their [peptide sequence](#). The result is a [protein structure](#) with different connectivity, but overall similar three-dimensional (3D) shape. In 1979, the first pair of circularly permuted proteins – [concanavalin A](#) and [lectin](#) – were discovered; over 2000 such proteins are now known.

Circular permutation can occur as the result of [evolutionary events](#), [posttranslational modifications](#), or [artificially engineered mutations](#). The two main models proposed to explain the evolution of circularly permuted proteins are *permutation by duplication* and *fission and fusion*. Permutation by duplication occurs when a [gene](#) undergoes [duplication](#) to form a [tandem repeat](#), before redundant sections of the protein are removed; this relationship is found between [saposin](#) and [swaposin](#). Fission and fusion occurs when partial proteins fuse to form a single polypeptide, such as in [nicotinamide nucleotide transhydrogenases](#).

Circular permutations are routinely engineered in the laboratory to improve their [catalytic activity](#) or [thermostability](#), or to investigate properties of the original protein.



Schematic representation of a circular permutation in two proteins. The first protein (outer circle) has the sequence a-b-c. After the permutation the second protein (inner circle) has the sequence c-a-b. The

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This article incorporates text from a scholarly publication published under a copyright license that allows anyone to reuse, revise, remix and redistribute the materials in any form for any purpose: Bliven, S.; Prlić, A. (2012). "Circular Permutation in Proteins". In Wodak, Shoshana. *PLoS Computational Biology* **8** (3): e1002445. doi:10.1371/journal.pcbi.1002445. PMC 3320104. PMID 22496628. edit . Please check the source for the exact licensing terms.

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## The Cameroon Press Photo Archive (CPPA) Buea in Crisis 1955-2016

A Historical Investigation

**Solomon Kekeisen Nsah**

History Department, University of Yaoundé 1

### Abstract

Since its invention photography in all its ramifications has affected and continues to affect the everyday life of people. It has become a powerful means of communication and mode of visual expression that touches human life in many ways. For example, photography is valued as a means of crystallising memories. One archive which illustrates it is the Cameroon Press Photo Archives - Buea (CPPA-B). The CPPA-Buea was established to use photography as a means of immortalising, conserving and granting access to historical events and personalities in British Southern Cameroons. More than fifty-five years later the institution has not only been in crisis but has been basically abandoned by the authorities in charge. Through



PDF

Published  
Jun 9, 2017

### How to Cite

NSAH, Solomon Kekeisen. The Cameroon Press Photo Archive (CPPA) Buea in Crisis 1955-2016. **Vestiges: Traces of Record**, [S.l.], v. 3, n. 1, p. 65-81, June 2017. ISSN 2058-1963. Available at: <<http://www.vestiges-journal.info/index.php/Vestiges/article/view/15>>. Date accessed: 30 apr. 2018.

Citation Formats

# Cameroon Press Photo Archive [ edit | edit source ]

From Wikipedia, the free encyclopedia

Wikidata: [Cameroon Press Photo Archive \(Q34533370\)](#), *photo archive in Buea, Cameroon*

Aliases: CPPA, CPPA-B

The **Cameroon Press Photo Archive (CPPA-B)** is a photographic archive located in [Buea](#), the regional capital of the [South West Region of Cameroon](#). It holds around 120,000 negatives and 14,000 proof sheets (templates on which up to 16 contact prints were mounted for the purpose of reference) in total, granting a unique view of Anglophone Cameroon's history for the time period 1955 to 2000.<sup>[1]</sup> Between 2013 and 2015, African Photography Initiatives digitized 25,000 negatives and all 14,000 proof sheets. A copy of the digitized material is in the possession of the Ministry of Communication, the authority in charge of the photo archive.<sup>[2]</sup> The CPPA-B is considered an endangered archive.<sup>[3][4][5][6]</sup>



Exterior of the Cameroon Press Photo Archive in Buea

## Contents [hide]

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[https://en.wikipedia.org/wiki/Cameroon\\_Press\\_Photo\\_Archive](https://en.wikipedia.org/wiki/Cameroon_Press_Photo_Archive)

Text CC-BY-SA, photo by Solomon Kekeisen Nsah CC-BY

# Dengue fever: a Wikipedia clinical review

JAMES M HEILMAN, JACOB F DE WOLFF, GRAHAM M BEARDS, BRIAN J BASDEN

## Abstract

Dengue fever, known as breakbone fever, is a mosquito-borne infectious tropical disease caused by the dengue virus. Symptoms include fever, headache, muscle and joint pains, and a characteristic skin rash that is similar to measles. In a small proportion of cases, the disease develops into life-threatening dengue hemorrhagic fever, which results in bleeding, thrombocytopenia, and leakage of blood plasma, or into dengue shock syndrome, in which dangerously low blood pressure occurs. Treatment of acute dengue fever is supportive, with either oral or intravenous rehydration for mild or moderate disease and use of intravenous fluids and blood transfusion for more severe cases. Along with attempts to eliminate the mosquito vector, work is ongoing to develop a vaccine and medication targeted directly at the virus.

Full Text: [HTML PRINT](#)



OM  
Vol 8, No 4 (2014)

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*Heilman, de Wolff, Beards,*

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Page size:	66,575 Bytes	Max. text added:	Oct 16, 2006, 8:55 AM • <a href="#">59.145.136.1</a> • <b>+6,135</b>
Total revisions:	3,398	Max. text deleted:	Dec 19, 2010, 9:26 AM • <a href="#">Doc James</a> • <b>-18,215</b>
<a href="#">Number of editors:</a>	1,417 	Links to this page:	0
Number of minor edits:	734 · (21.6%)	Redirects:	0
Number of IP edits:	1,092 · (32.1%)	Links from this page:	426
Number of bot edits:	112 · (3.3%)	External links:	239
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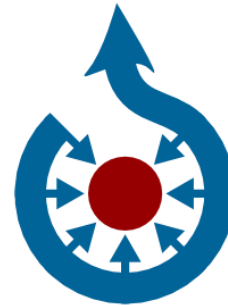
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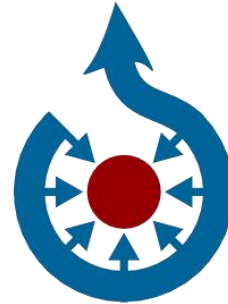
# Lord Byron

From Wikipedia, the free encyclopedia

"Often described as the most flamboyant and notorious of the major Romantics, Byron was celebrated in life for aristocratic excesses..."



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## Longer poetic works [\[edit\]](#)

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- *The Bride of Abydos*, a Turkish tale (1813) (transcription project)
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- *Ode to Napoleon Buonaparte* (1814)
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- *Parisina* (1816)
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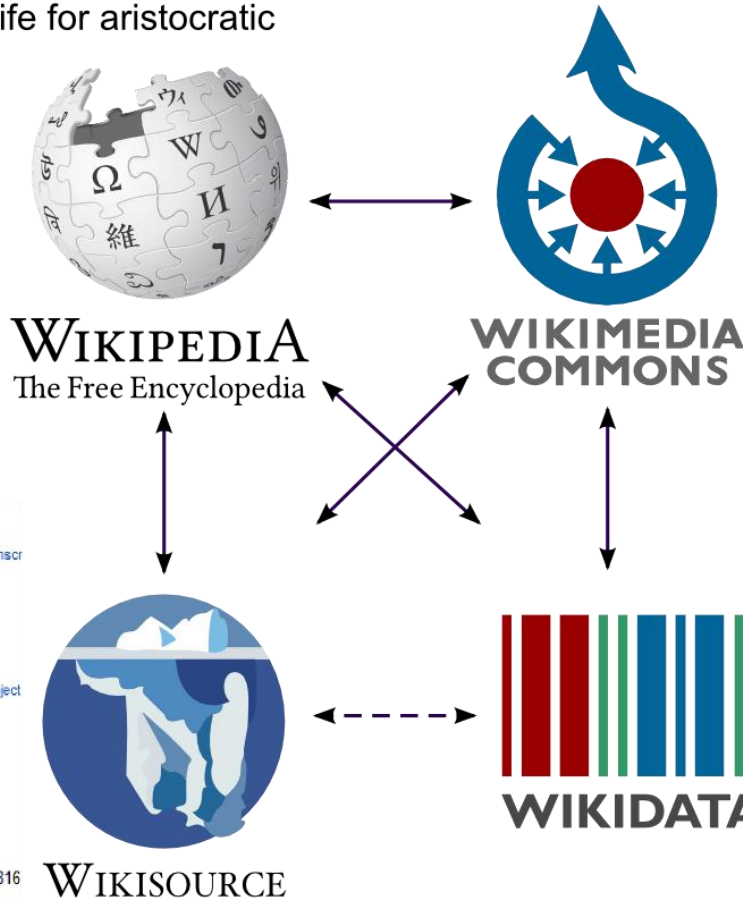
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# Lord Byron

From Wikipedia, the free encyclopedia

"Often described as the most flamboyant and notorious of the major Romantics, Byron was celebrated in life for aristocratic excesses..."



## Longer poetic works [edit]

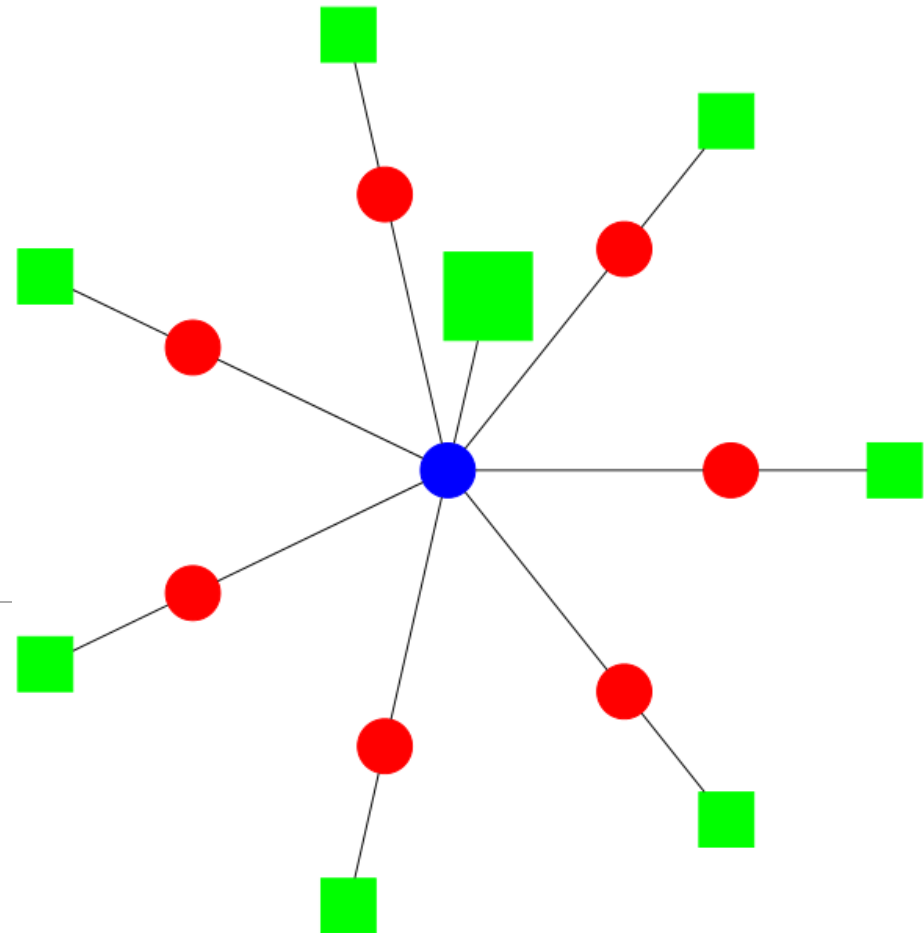
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- *Monody on the Death of the Right Hon. R. B. Sheridan* (1816)
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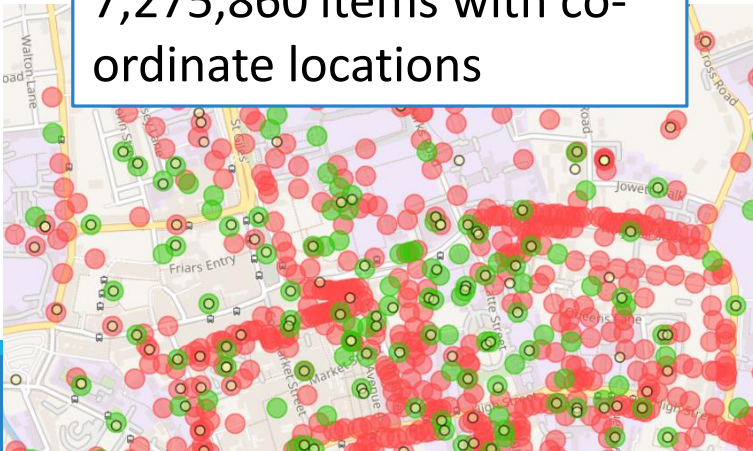
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4,378,742 human beings



540,718 items in collections  
(usually in GLAMs)



7,275,860 items with co-  
ordinate locations



1,119,455 organizations

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2,509,963 biological taxa

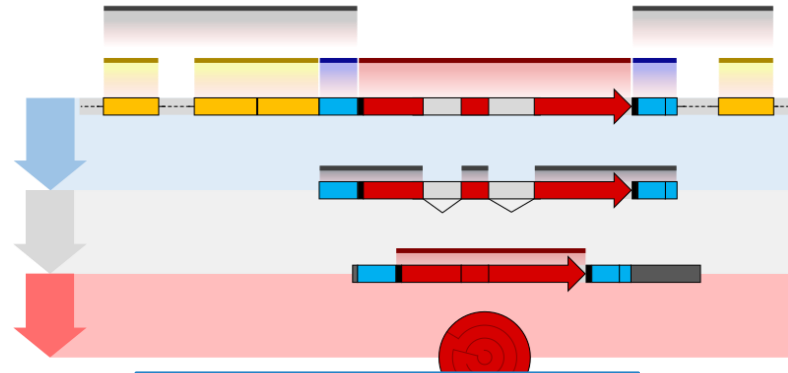


Image credit: [Thomas Shafee](#)

717,969 genes

18,771,018 journal articles

PeerJ

## Screening of faba bean (*Vicia faba* L.) accessions to acidity and aluminium stresses

Killemariam Y. Belachew<sup>1</sup> and Frederick L. Stoddard<sup>2</sup>

<sup>1</sup> Department of Agricultural Sciences, Viki Plant Science Centre, University of Helsinki, Helsinki, South Finland, Finland

<sup>2</sup> Department of Food and Environmental Sciences, Viki Plant Science Centre, University of Helsinki, Helsinki, Finland

### ABSTRACT

**Background.** Faba bean is an important starch-based protein crop produced worldwide. Soil acidity and aluminium toxicity are major abiotic stresses affecting its production, so in regions where soil acidity is a problem, there is a gap between the potential and actual productivity of the crop. Hence, we set out to evaluate acidity and aluminium tolerance in a range of faba bean germplasm using solution culture and pot experiments.

**Methods.** A set of 30 accessions was collected from regions where acidity and aluminium are or are not problems. The accessions were grown in solution culture and a subset of 10 was grown first in peat and later in perlite potting media. In solution culture, morphological parameters including taproot length, root regrowth and root tolerance index were measured, and in the pot experiments the key measurements were taproot length, plant biomass, chlorophyll concentration and stomatal conductance.

643,206 proteins

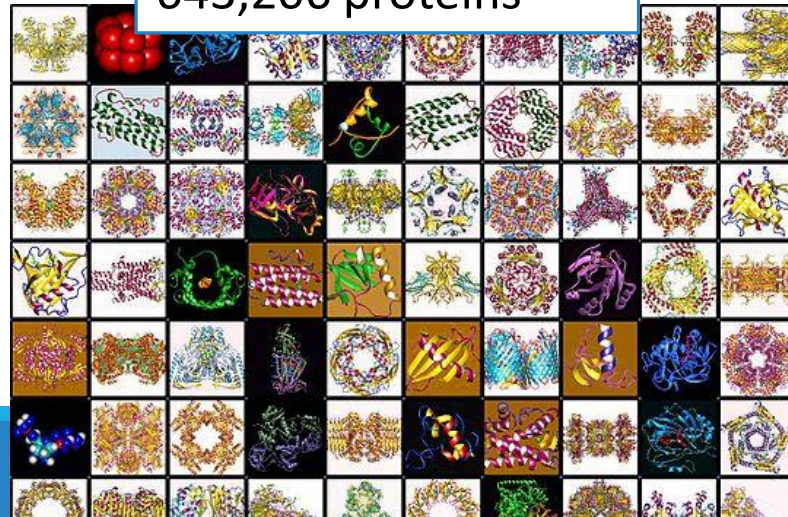
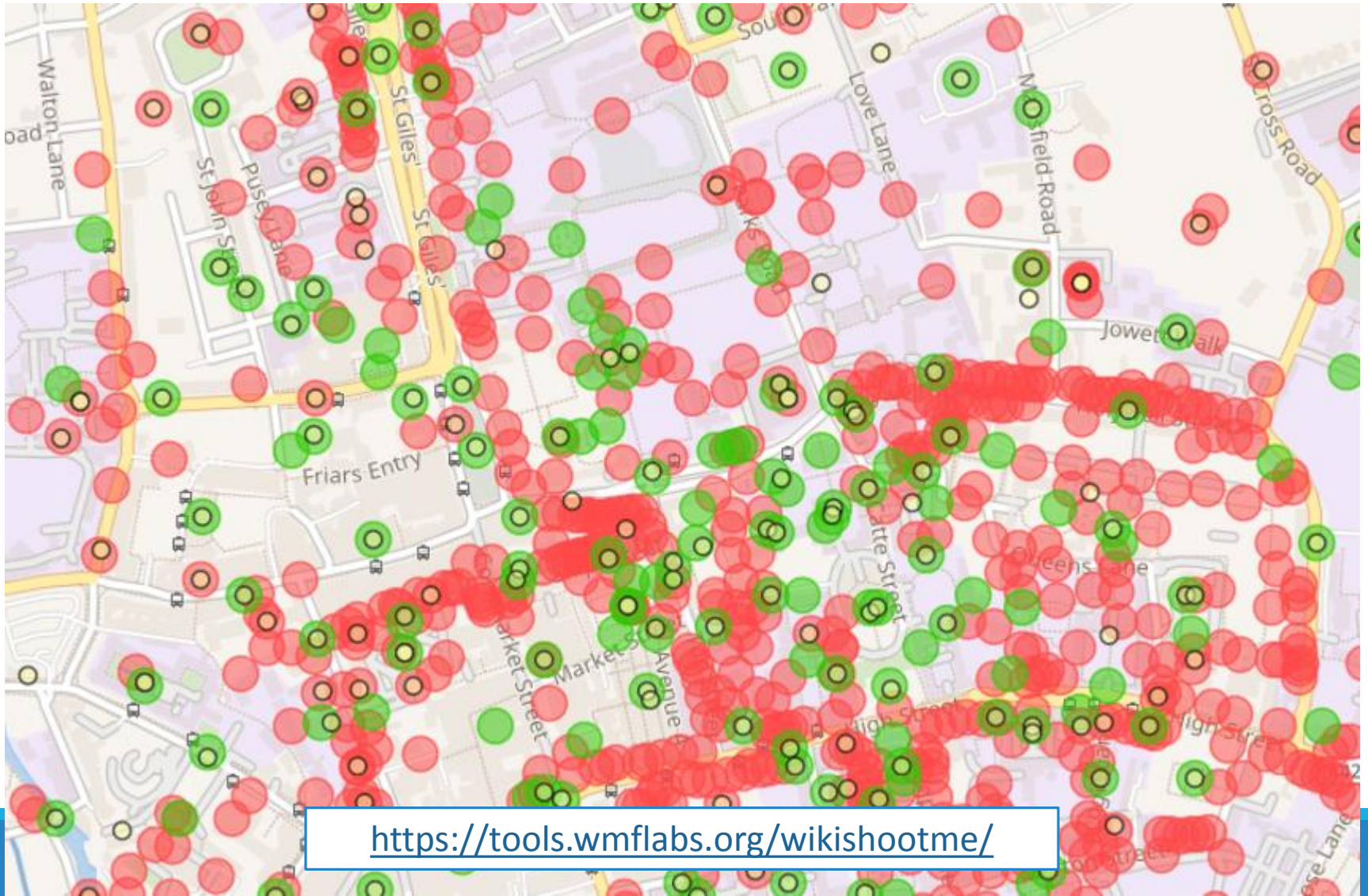


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1892



Sarah Miriam Peale  
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Mimmi Zetterström  
Selfportrait  
1876



1787



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Costume of the Bregenz Forest,  
Seated at her Easel

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Self-Portrait in the Traditonal  
Costume of the Bregenz Forest,  
Seated at her Easel.jpg](#)  
1757

[commons:Selfportrait \(Bertha  
Wegmann\) - Nationalmuseum -  
19884.tif](#)  
Bertha Wegmann  
Selfportrait  
2000



Fanny Inama von Sternegg  
Self-portrait

[commons:Fanny Inama von  
Sternegg 2.jpg](#)  
1901

Maria Christina, Duchess of  
Teschen  
Q23039040

[commons:Marie Theresa of  
Austria family.jpg](#)  
1760



Maria Christina, Duchess of  
Teschen  
Self-portrait

[commons:Marie Christine of  
Austria1.jpg](#)  
1765



Gusta Nekolová  
Self-portrait

[commons:Gusta Nekolová -  
Self-Portrait.jpg](#)  
1914



PROPERTY OF UNIVERSITÄT E. A. HOUDON, FIRST DEPARTMENT OF ANTHROPOLOGY, THE ANTHROPOLOGICAL MUSEUM, LEIPZIG, GERMANY

Mlle. Marguerite J. A. Houdon, Painter



# Summary

The promised benefits of the open access/ open education/ open data/ open culture movements are materialising.

There are unforeseen consequences but they tend to be unforeseen *benefits*.

Knowledge philanthropists want to access and remix your stuff. Let them!

The platforms already exist to share, combine and track images, text and data, including geographical, biographical, bibliographic, taxonomic etc. data.

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