Search the Past with the



Daniel Gomes, Miguel Costa,
David Cruz, João Miranda and Simão Fontes
Foundation for National
Scientific Computing

The Web has been replacing printed media

eBooks



Photo galleries



Blogs



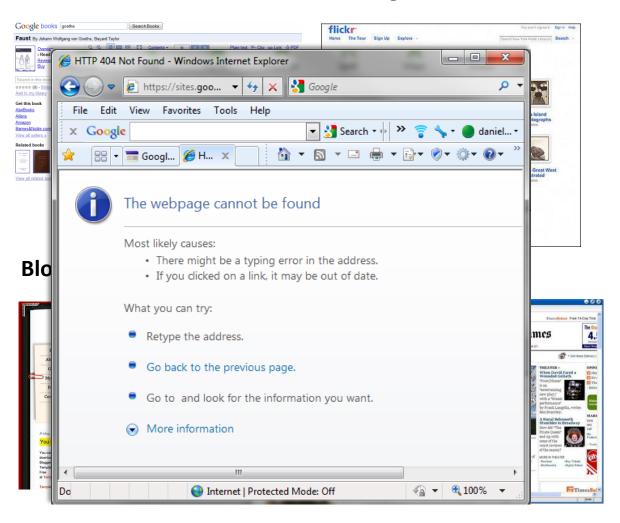
News



However, all these valuable information quickly disappears

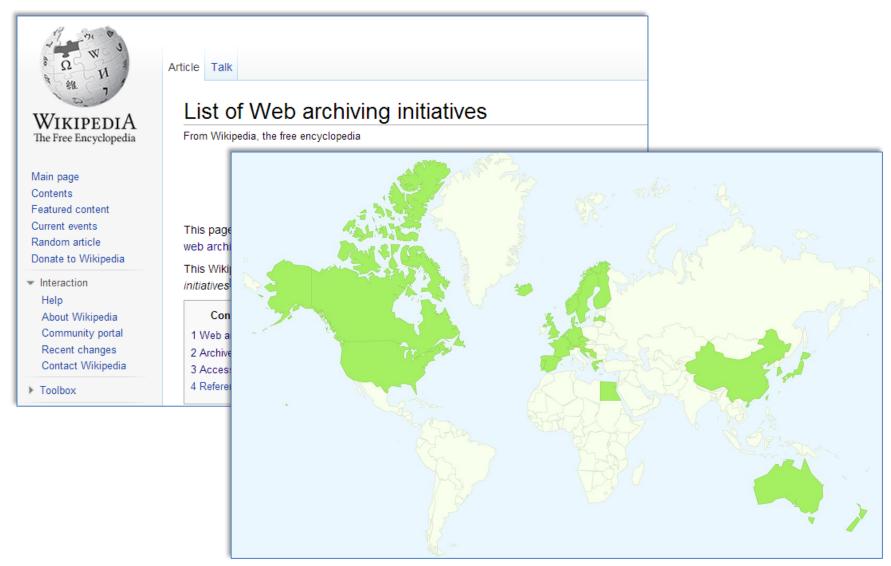
eBooks

Photo galleries



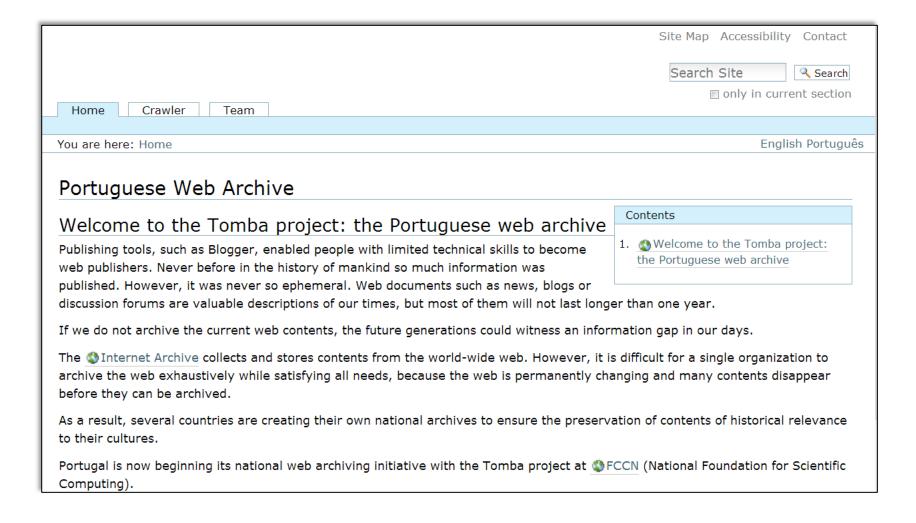
Disappear or change within 1 year

77 web archiving initiatives across the world work to preserve Humanity's cultural heritage available online





The Portuguese Web Archive project started in 2008

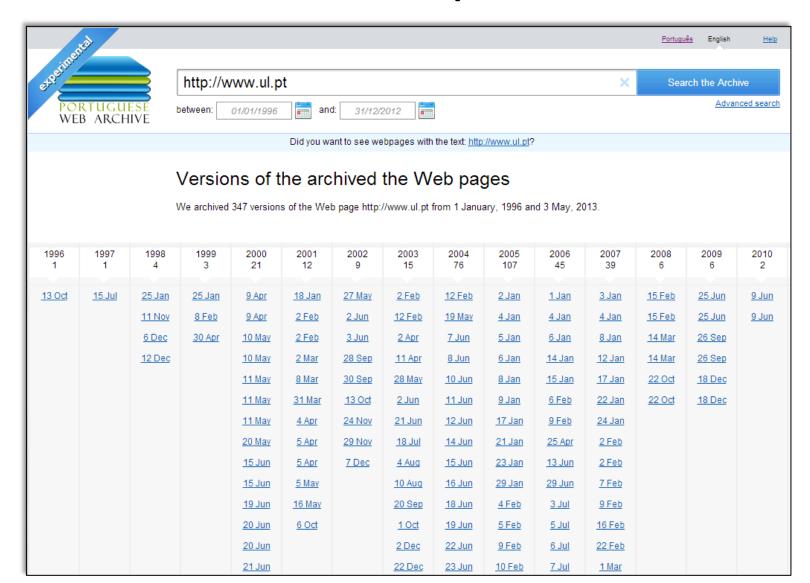


It was announced last year (2012)

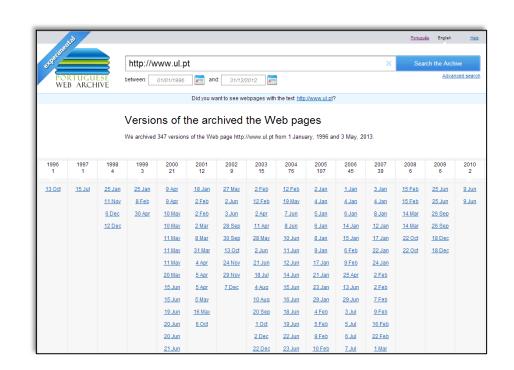


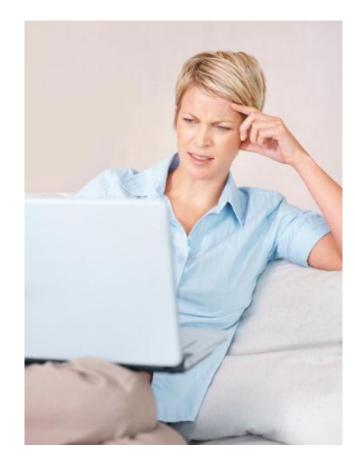
Public and free at <u>archive.pt</u>

Provides **URL search** like the Internet Archive Wayback Machine



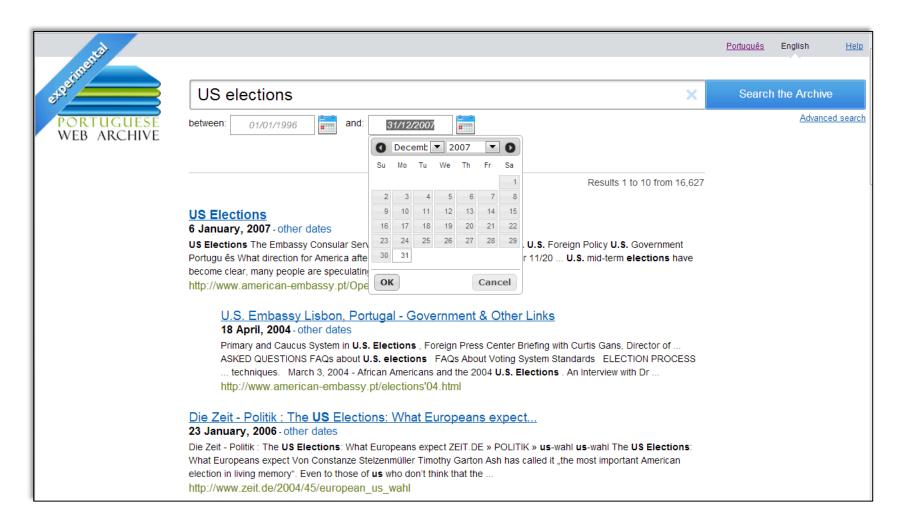
Problem with URL search





 Users do not know the URL that contained the information that they need.

Archive.pt also provides full-text search over 1.2 billion web files archived since 1996

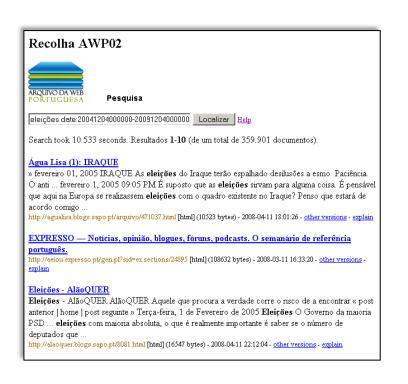


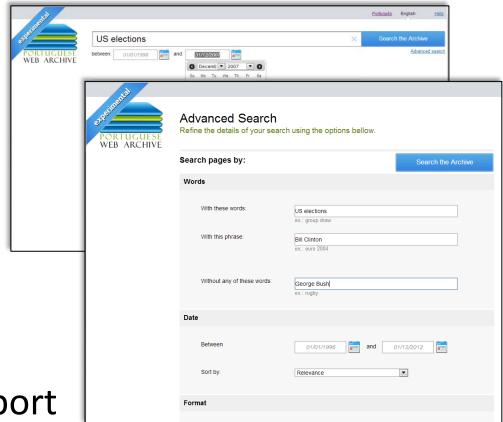
New web archive search system based on open source web archiving tools (NutchWAX)



- Quicker response times
- Improved search results relevance

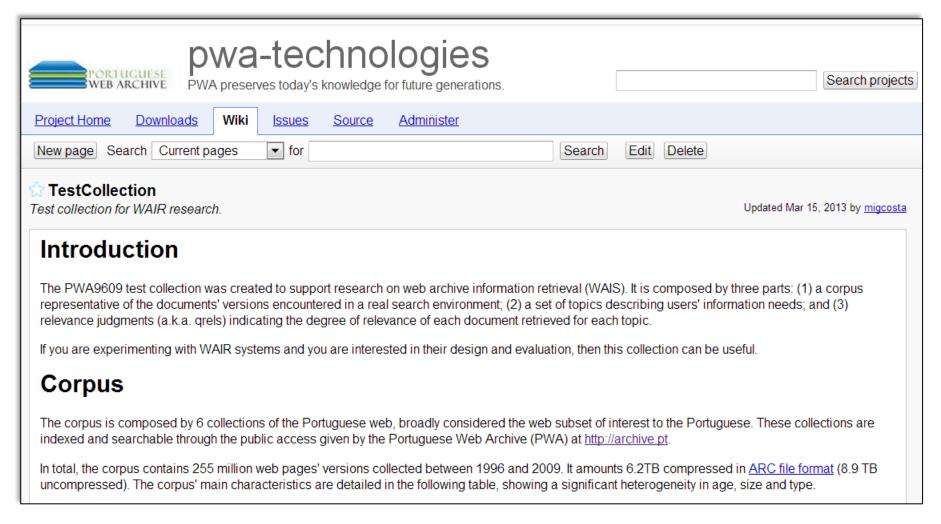
Designed more adequate user interfaces: NutchWAX (2007) vs. PWA (2012)





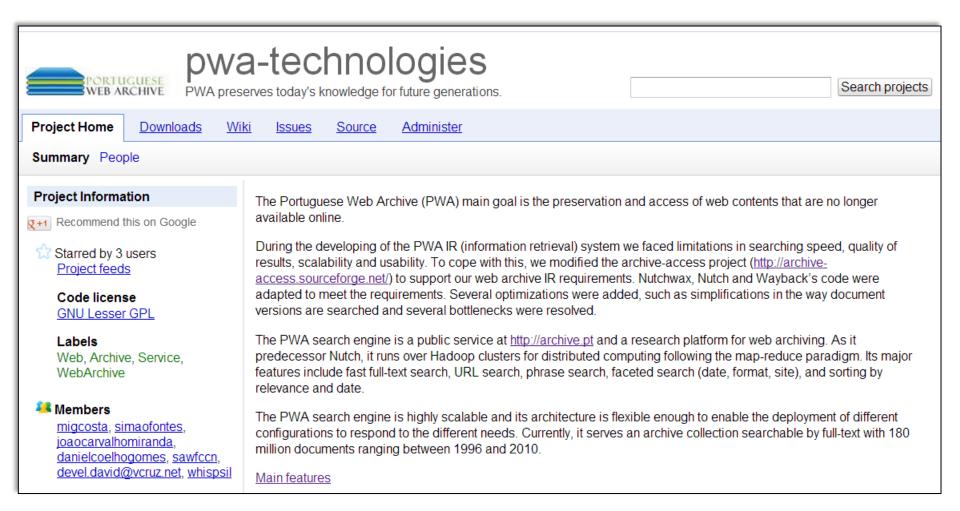
- Internationalization support
- Advanced search user interface
- Improved usability
 - 71% overall user satisfaction from usability testing

Researched ranking algorithms for web archive information retrieval

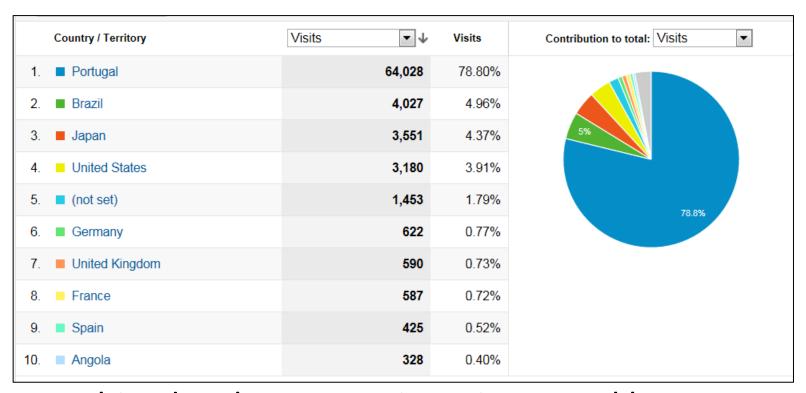


Publications, test collections and collaboration proposals

The source code is free and open



Archive.pt is useful to international users



- Archived web pages written in several languages
- Includes all Portuguese speaking domains (.AO, .MZ, .CV) except Brazil
- 21.2% of the Visits were not from Portugal

The Portuguese Web Archive can be used to document interesting stories

Let's hear one

Once upon a time in 1996...

There was a "mad" scientist

Tim Berners-Lee



Bio

Tim Berners-Lee is the inventor of the World Wide Web, an internet-based hypermedia initiative for global information sharing. He wrote the first Web clients and server and defined the URL, HTTP and HTML specifications on which the web depends while working at <u>CERN</u>, the European Particle Physics Laboratory, in late 1990.

Tim is now the Director of the <u>W3 Consortium</u>, an open forum of companies and organizations with the mission to realize the full potential of the Web. He is a Principal Research Scientist at the Laboratory for Computer Science (<u>LCS</u>)at the Massachusetts Institute of Technology (<u>MIT</u>).

Before going to CERN, Tim was a founding director of Image Computer Systems, and before that and a consultant in hardware and software system design, real-time communications graphics and text processing; and a principal engineer with Plessey Telecommunications, in Poole, England. He is a graduate of Oxford University.

Tim is married to Nancy Carlson. They have two children, born 1991 and 1994.

Who invented "the World Wide Web, an internet-based hypermedia initiative for global information sharing."

He founded an organization to support his invention



The World Wide Web Consortium

The World Wide Web is the universe of network-accessible information. The <u>World Wide Web</u> <u>Consortium</u> exists to realize the full potential of the Web.

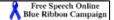
W3C works with the global community to produce <u>specifications</u> and <u>reference software</u>. W3C is funded by industrial <u>members</u> but its products are freely available to all. The Consortium is run by <u>MIT LCS</u> and by <u>INRIA</u>, in collaboration with <u>CERN</u> where the web originated. Please see the <u>list of members</u> to learn about individual members and visit their World Wide Web sites.

- W3C Activity areas and directions
- How to contact W3C
- Frequently Asked Questions about W3C
- W3C meetings, newsletter, mailing lists [W3C Members only]
- Help

In this document:

- News and Updates
- Web Specifications and Development Areas
- W3C Software
- The World Wide Web and the Web Community
- Getting involved with the W3C

There were lists of WWW sites



European Home Page

This is a very simple European Map of WWW/NIR sites. Please click on any flag to go to the (sensitive map) Home Page of that country. If you don't have graphics support, here is <u>CERN's list</u> of sites organized by geography. If you want to see another european Home Page, try this <u>one</u>.

Try the new Beautiful Cultural European Home Pages (with travel tips).



The Library of Congress also had one WWW site in 1996



Choose a topic below, see what's new, or search our Web pages and Gopher menus.

General Information and Publications

Find out about the Library and its mission, special programs and services, information for visitors, publications (including Library Associates and *Civilization Magazine*), employment opportunities, and other general information.

Government, Congress, and Law

Search THOMAS (legislative information), access services of the Law Library of Congress (including the Global Legal Information Network), or locate government information.

Research and Collections Services

Browse historical collections for the National Digital Library (American Memory), visit Library Reading Rooms, access special services for persons with disabilities, and read about Library of Congress cataloging, acquisitions, and preservation operations, policies, and related standards.

Since then, WWW sites became used even to publish News



Lula vai desistir?



O PRINCIPAL líder da esquerda brasileira, Luís Ignácio da Silva («Lula»), ameaçou esta semana desistir de se candidatar à Presidência nas eleições de Outubro, deixando o campo livre para a reeleição de Fernando Henrique Cardoso.



O desânimo de Lula tem origem no seu próprio partido - o Partido dos Trabalhadores (PT) -, que decidiu não se aliar ao Partido Democrático Trabalhista (PDT) no Rio de Janeiro, inviabilizando a candidatura da dupla Lula-Leonel Brizola (líder do PDT), o primeiro à chefia do Estado e o segundo à vice-presidência.



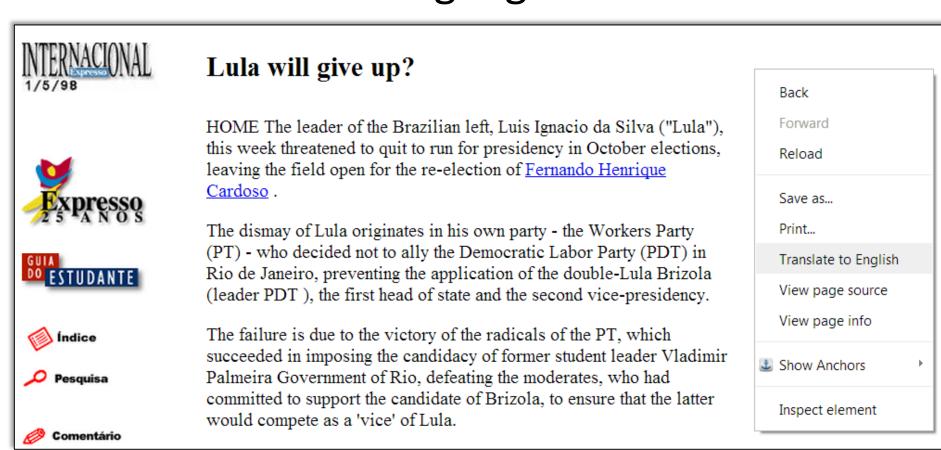
O fracasso deve-se à vitória dos radicais do PT, que conseguiram impor a candidatura do ex-líder estudantil Vladimir Palmeira ao Governo do Rio, derrotando os moderados, que se tinham comprometido a apoiar o candidato de Brizola, para garantirem que este último concorreria como «vice» de Lula.







That now can be quickly translated to several languages



1998 archived news article from Portuguese publication translated with Google Translate in 2013

Would you like to search for more interesting pages?

Visit me at the Demo lobby or try it at <u>archive.pt!</u> Thanks.



www.archive.pt

daniel.gomes@fccn.pt