

## External Advocacy for Web Archives

DPC / IIPC Training Working Group Workshop

March 6th, 2024

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Web curator





The city of Sines, Portugal



# Agenda

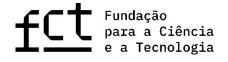
- **Do you know** Arquivo.pt? Make your web archive known.
- **Train** people for digital preservation
- Create challenges
- Create **services** that people can use

- Free online service to research the Past Web
- Preserves publicly accessible information related with:
  - Portugal
  - Research and Education (international)
- Governmental service provided by Foundation for Science and Technology (Portugal)
- A digital research infrastructure
- Available at <a href="https://arquivo.pt/">https://arquivo.pt/</a>



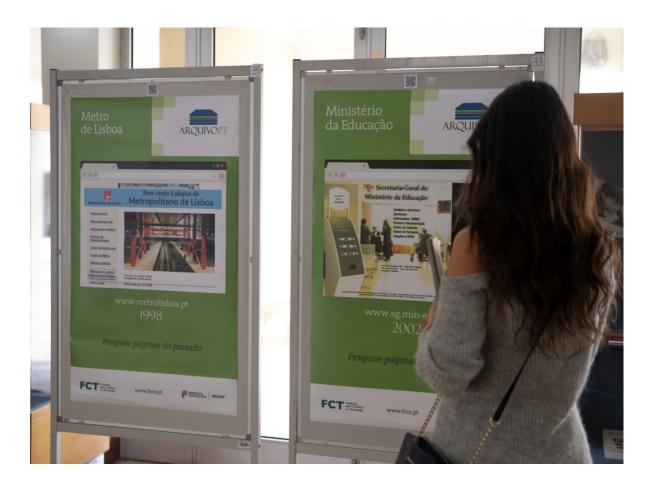








- Poster exhibitions in universities and other public places
- 14 exhibitions held since 2019





- Participation on events and training sessions
- 28 events held on 2023



Daniel Gomes and Diego Alves presenting at CLEOPATRA final event



- Participation on events and training sessions
- 28 events held on 2023



<u>Portugal Digital Awards 2023 Finalist Pitch: Arquivo.pt</u> | <u>Fundação para a Ciência e a Tecnologia (FCT)</u>



 Invite people to visit your headquarters

Welcome to the cloud!





Guided visit to the data center on World Digital Preservation Day



#### Arquivo.pt begun in 2007



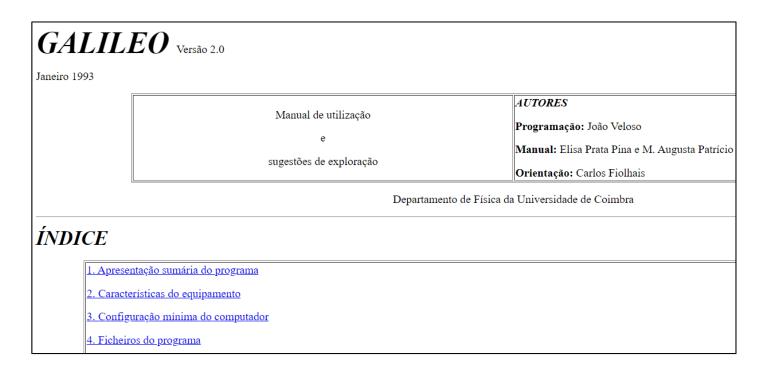


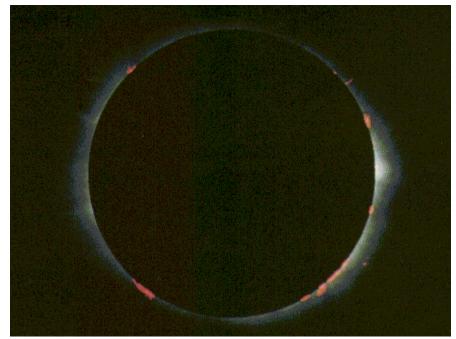
#### Arquivo.pt is used word-wide

Country		rs	% Users
1. 💷 F	Portugal 46,89	91	46.56%
2. 💻 U	Inited States 26,37	73	26.19%
3. 🔕 E	Brazil 2,26	56	2.25%
4. 🔳 F	Russia 2,23	34	2.22%
5. 🚟 U	Inited Kingdom 2,23	31	2.22%
6. 👤 J	lapan 2,17	72	2.16%
7. 🖭 0	Canada 1,23	37	1.23%
8. 🔚 N	Mozambique 1,2°	13	1.20%
9. 🚾 li	ndia 90	02	0.90%
10. 🔳 G	Sermany 89	94	0.89%
10. 💻 0	Sermany 89	94	0.89%



## Arquivo.pt preserves national and international historical web content



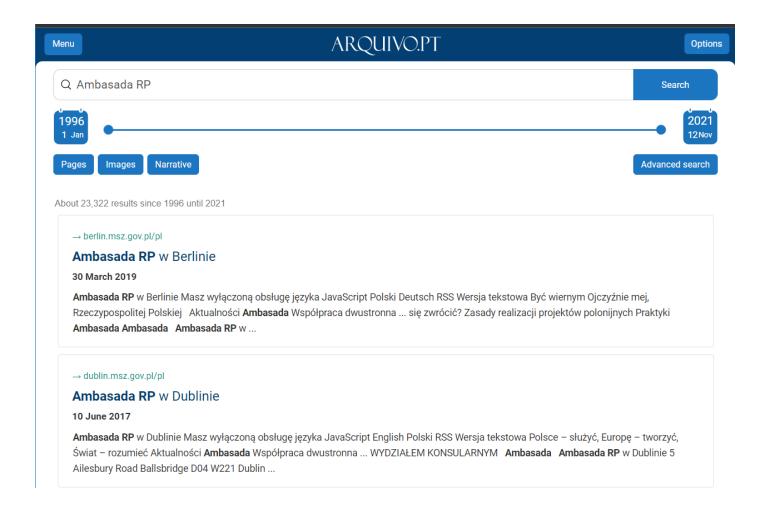


nautilus.fis.uc.pt- 1993 (oldest page)

spacelink.nasa.gov - 1992
 (oldest image)

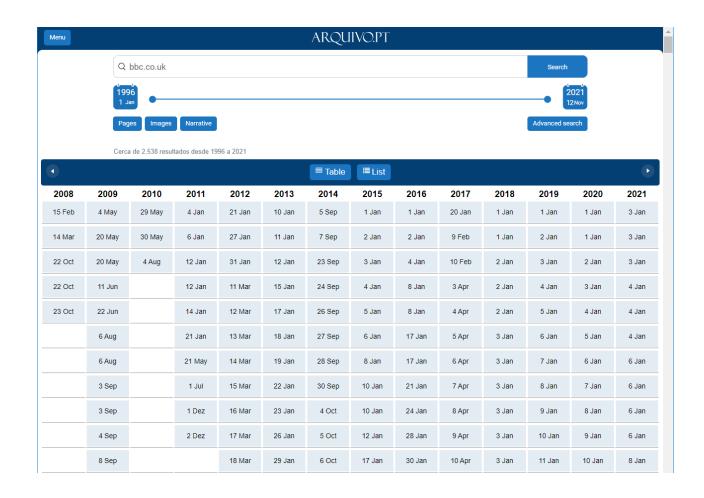


#### Search texts from the past in any language



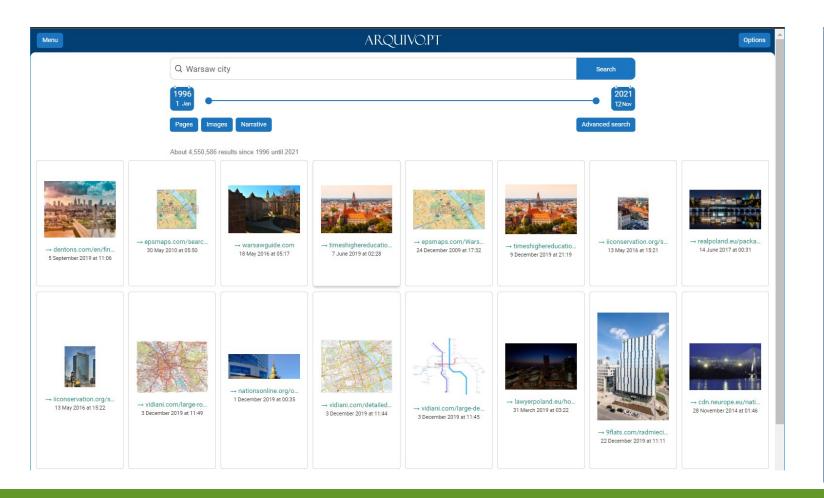


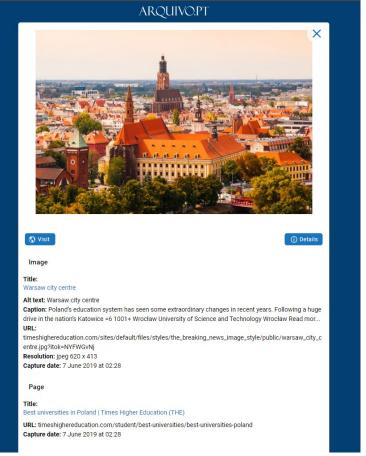
#### Search the **history** of a web address





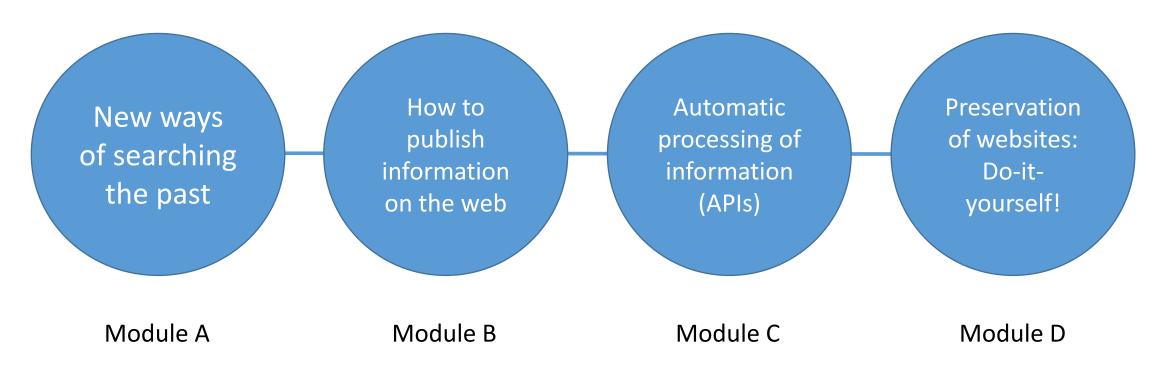
#### Search images from the past







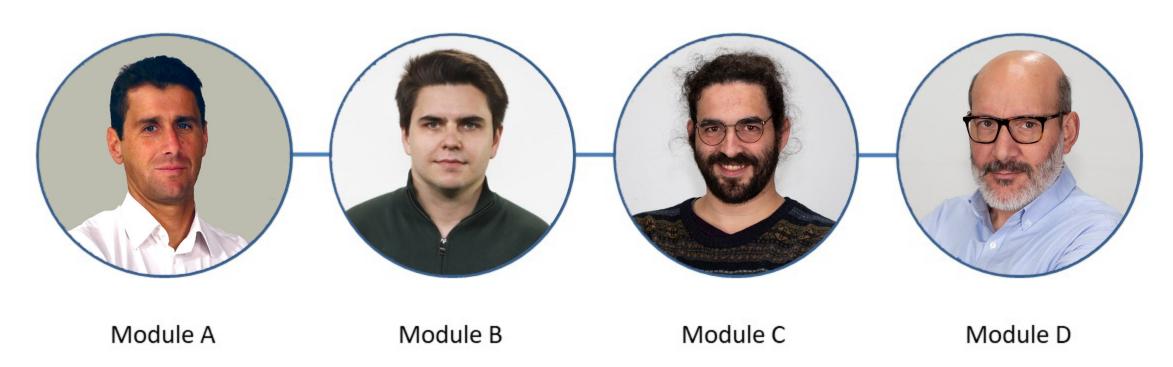
#### Arquivo.pt training programme initiative



arquivo.pt/training



#### Arquivo.pt training programme initiative



arquivo.pt/training



New ways of searching the past

Module A

- The problem of 80% of Web content disappearing
- Search for historical contents in Arquivo.pt
- Everyday use cases



How to publish information on the web

Module B

- Recommendations for publication
- Robots.txt configuration
- Examples of poorly preservable Web publishing technologies



Automatic processing of information (APIs)

Module C

- Arquivo.pt APIs
- CDXJ Indexes (arquivo.pt/api)
- Use cases



Preservation of websites:
Do-ityourself!

Module D

- Record Web contents locally in a standard format
- ArchiveWeb.page tutorial
- Practical exercises (websites, social media like Facebook, Twitter)

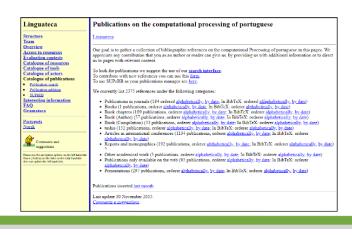


Training programme – Every day use cases

## Management: documentation/audit of finished project



"Everything was on the website"



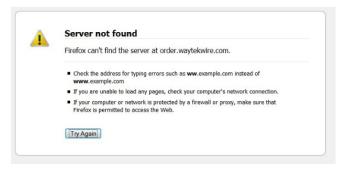
11



Training programme – Every day use cases

#### Maintain Portfolio/CV

"My best work was a website that no longer exists..." 60% of the websites disappear just after 2 years.



16



- Emphasizing the preservation of scientific research results (e.g. <u>H2020</u> <u>European Funded Projects</u>)
- Emphasizing citations of Web content in knowledge bases (e.g. <u>Colaboration</u> <u>with Portuguese Wikipedia</u>)

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39. ^ 6 6 "Web Archiving Project (WARP), The National Diet Library, Japan
   2013-11-17.
40. ^ 40. A Third "National Library of Korea - OASIS (Online Archiving & Searchin
   Oasis.go.kr. 2013-08-01. Archived from the original 404 on 2013-10-31.
41. ^ 5 b c "WebART (Web Archive Retrieval Tools)"
42. A "Latvijas Nacionālā bibliotēka - Rasmošana"
                                                                             Caching: FALSE
43. ^ 5 6 "New Zealand Web Archive" . Natlib.govt.nz. Retrieved 2021-02-26
                                                                           Valid links: 1176
44. ^ The Norwegian Bokmål). Retrieved
                                                                            Valid redirecting links: 142
45. The National Library of Norway. IIPC. Retrieved 2019-12-25.
46. A "Arquivo.pt - the Portuguese web-archive: search pages from the past" Warnings: 0
   Scientific Computing (FCCN). 13 August 2013. Retrieved 13 August 2013.
                                                                           Invalid links: 10
47. ^ 6 Web archive of Cacak 404 [permanent dead link], digital.cacak.dis.rs
48. ^ 6 "Web Archive Singapore". Was.nl.sg. Retrieved 2013-11-17.
49. 🔼 Digital Resources (Digital Resources Archive of the University Library in Bratislava) 🚹
50. ^ 🖁 🗗 "Slovenian Web Archive" . National and University Library of Slovenia. Retrieved 2018-02-02.
51. ^ 6 Biblioteca Nacional de España. "Archivo de la web española". Archived from the original 404 on
   2014-02-23. Retrieved 2014-02-20.
52. ^ 🖁 🗗 National Library of Catalonia (16 November 2012). "PADICAT: The Web Archive of Catalonia"
   National Library of Catalonia. Retrieved 16 November 2012.
53. ^ 🖁 🖁 Kai Oswald Seidler. "Basque Digital Heritage Archive (ONDARENET)". euskadi.net. Archived from
   the original on 2012-12-20. Retrieved 2013-11-17.
54. ^ 🖟 🖟 "Kulturarw3 - Kungliga biblioteket" (in Swedish). Kb.se. 2020-01-01. Retrieved 2021-05-04.
55. ^ 🖁 🎖 AAW Designs. "Aleph Archives" . aleph-archives.com. Retrieved 2013-11-17.
56. "Expatriate Archive Centre Blog Archive" . xpatarchive.com. Retrieved 2020-02-03.
57. A "Web Archiving Bucket" , webarchivingbucket.com, Retrieved 2013-11-17.
58. ^ 6 "Web Archive Switzerland". E-helvetica.nb.admin.ch. Retrieved 2013-11-17.
59. ^ 6 6 "NTU Web Archiving System, NTUWAS" 404 . ntu.edu.tw. Retrieved 2013-11-17.
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Training programme – Publish well to preserve better



User-agent: Arquivo-web-crawler Disallow:



Training programme – Arquivo.pt APIs

arquivo.pt/api

#### Text search - API

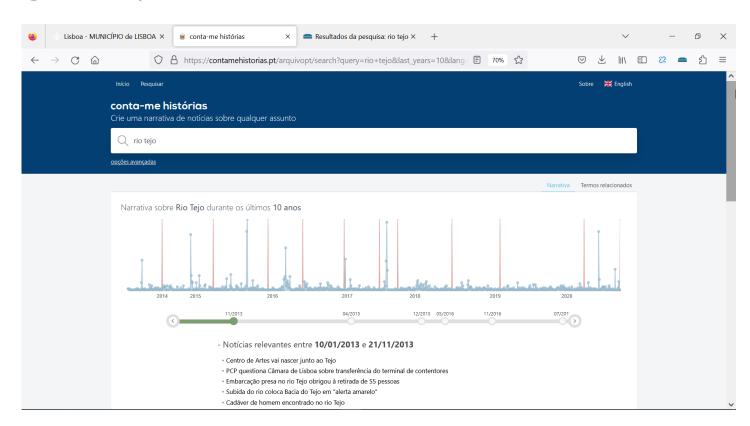


https://arquivo.pt/textsearch?q=universidade%20de%20aveiro



Training programme – Arquivo.pt APIs

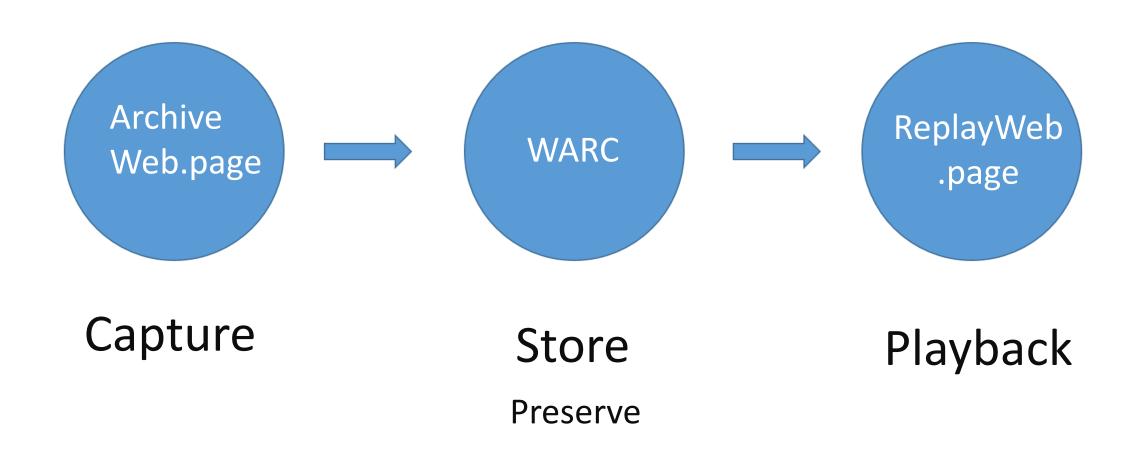
arquivo.pt/api



Example of temporal summarization through the external service, <u>"Tell me stories"</u>. Search for <u>"Tejo river"</u>. Arquivo.pt has the data. The community can build applications and new layers or services.



Training programme – Do it yourself!





Arquivo.pt Award

- 167 candidates since 2018
- 10.000 Euros for the winner
- Promoted in the media

More information:

arquivo.pt/award







arquivo.pt/winners2023

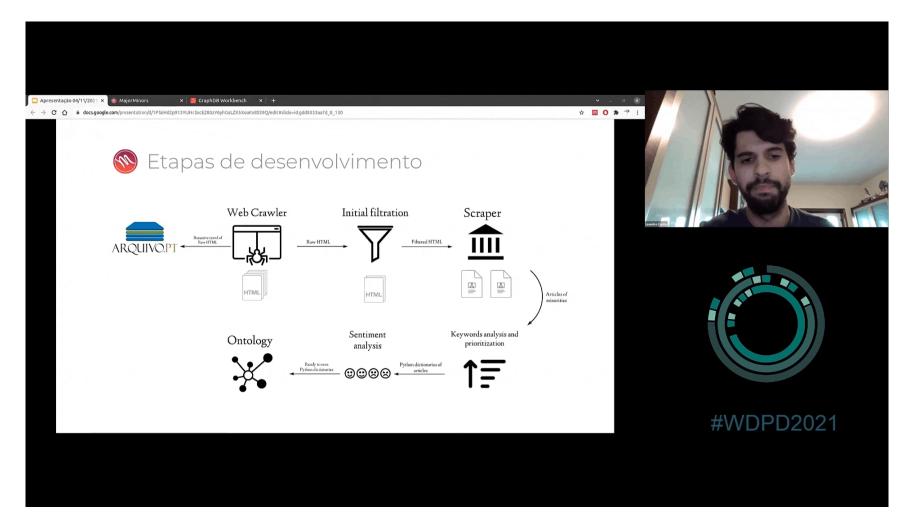




arquivo.pt/winners2020

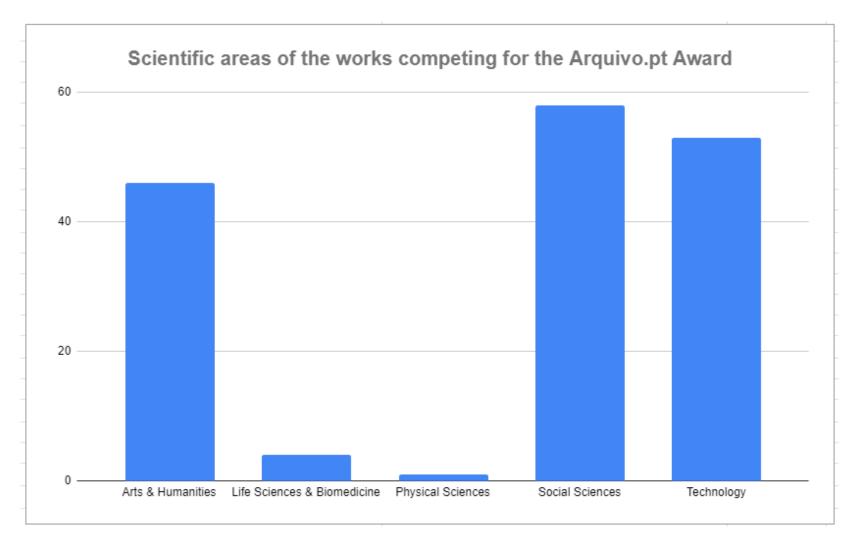






2021 Arquivo.pt Award winner presents its work in Café with Arquivo.pt, in the WDPD.

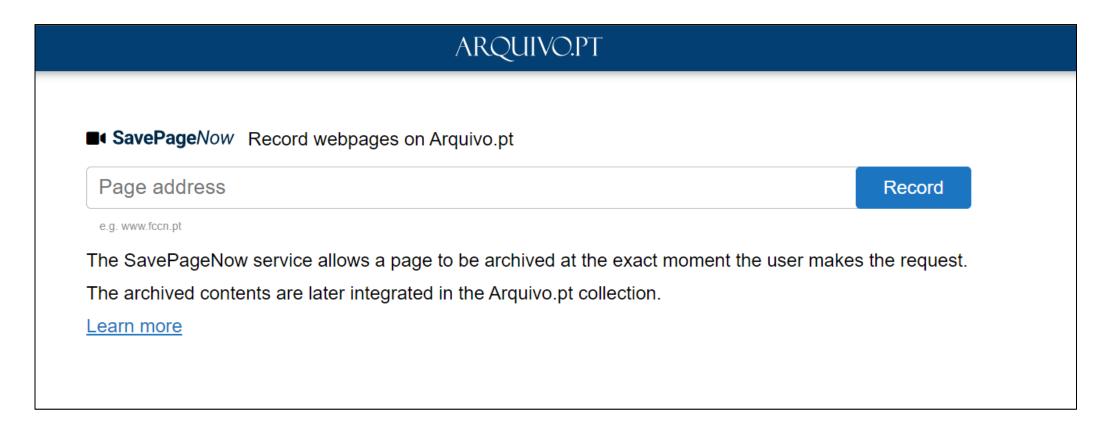




Areas of study of the 167 works competing for the Arquivo.pt Award, between 2018 and 2023



SavePageNow: Archive a webpage immediately



arquivo.pt/savepagenow



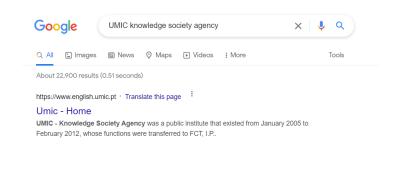
Arquivo.pt CitationSaver

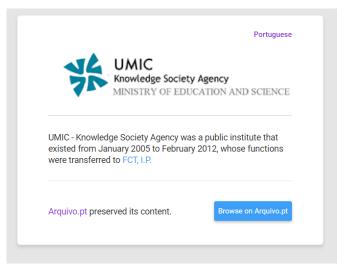


Use CitationSaver to preserve the integrity of your documents



#### Arquivo.pt Memorial





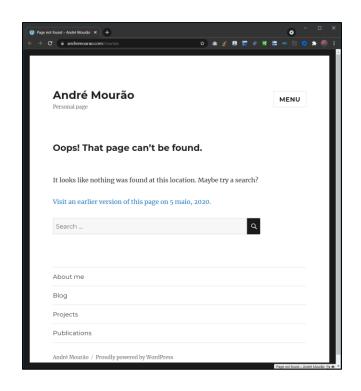


Don't kill your historical website!

Preserve it in the **Arquivo.pt Memorial**: <a href="mailto:arquivo.pt/memorial">arquivo.pt/memorial</a>



Arquivo.pt Arquivo404 <a href="mailto:arquivo404">arquivo.pt/arquivo404</a> offer historical content in your website!



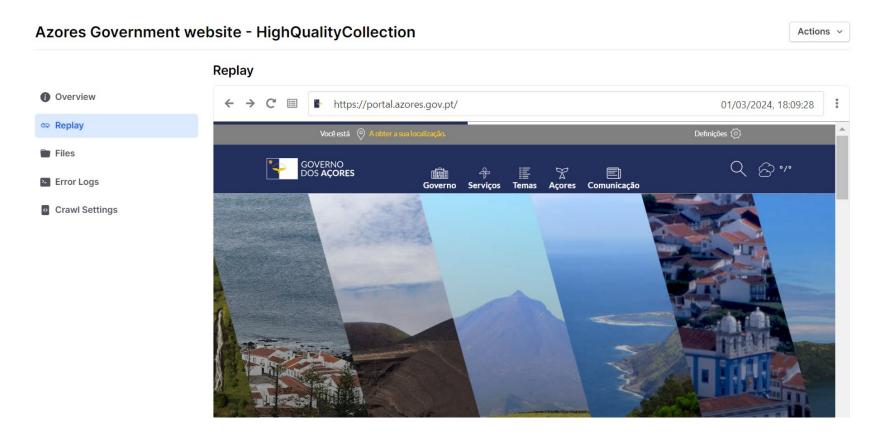
ARQUIVO.PT andremourao.com/courses 5 Maio às 18:07, 2020 **Ⅲ** Tabela André Mourão MENU 2017 2018 Courses 2019 2020 Programação Orientada pelos Objetos B (Object Oriented Maio Programming) 5 Maio às 18:07 2012/2013: 1st semester 2012/2013: 2nd semester

Page not found at live website

Page available at Arquivo.pt



High Quality Collections (pt: RAQs)



Example of a high quality collection on demand of Azores Government

Website using Browsertrix cloud (already put on Arquivo.pt)



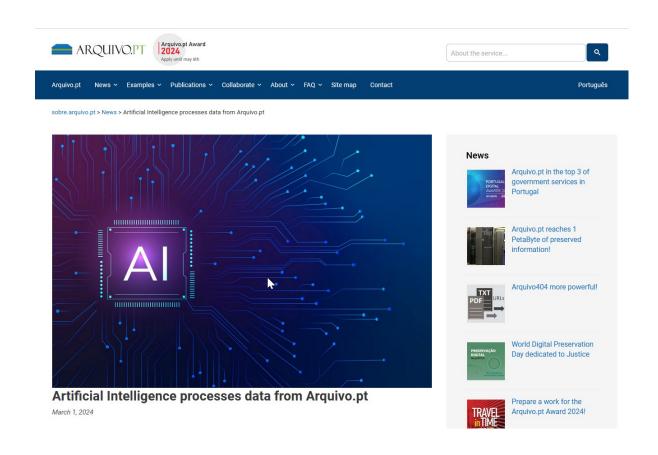
Emphasize external projects that used your web archive.

Example:

GlorIA – A Generative and

Open Large Language

**Model for Portuguese** 





## Conclusions

- Make your web archive known
- Train people for digital preservation
- Create challenges
- Create **services** that people can use

Thank you!

contacto@arquivo.pt

arquivo.pt/subscribe