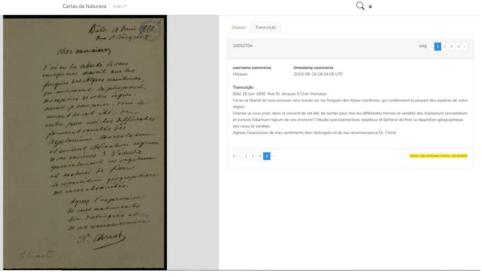
# The importance of historical biodiversity data transcribed from botanical garden archives: results from the citizen science project 'Plant Letters' on Zooniverse

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Joaquim Santos António Carmo Gouveia







# **Botany in UC | archive**

The Botany Archive was born from the activity of the Faculty of Natural Philosophy and the Botanic Garden of the University of Coimbra, from 1772.

Covering mainly the 19<sup>th</sup> and 20<sup>th</sup> centuries, the Botany Archive includes textual, photographic and filmic information from the Botanic Garden (part in the UC Archive), the Botanical Institute (DCV), the Botanical Museum (today in the UC Science Museum) and UC Herbarium.







#### **Botanic Archive and Botanic Collections**

Pandanus thomensis Henr. (pau-esteira)





🧭 PROJECTS ABOUT GET INVOLVED TALK BUILD A PROJECT NEWS



#### FEATURED PROJECTS





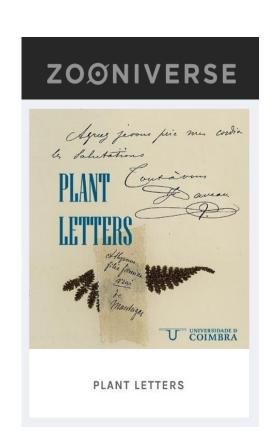




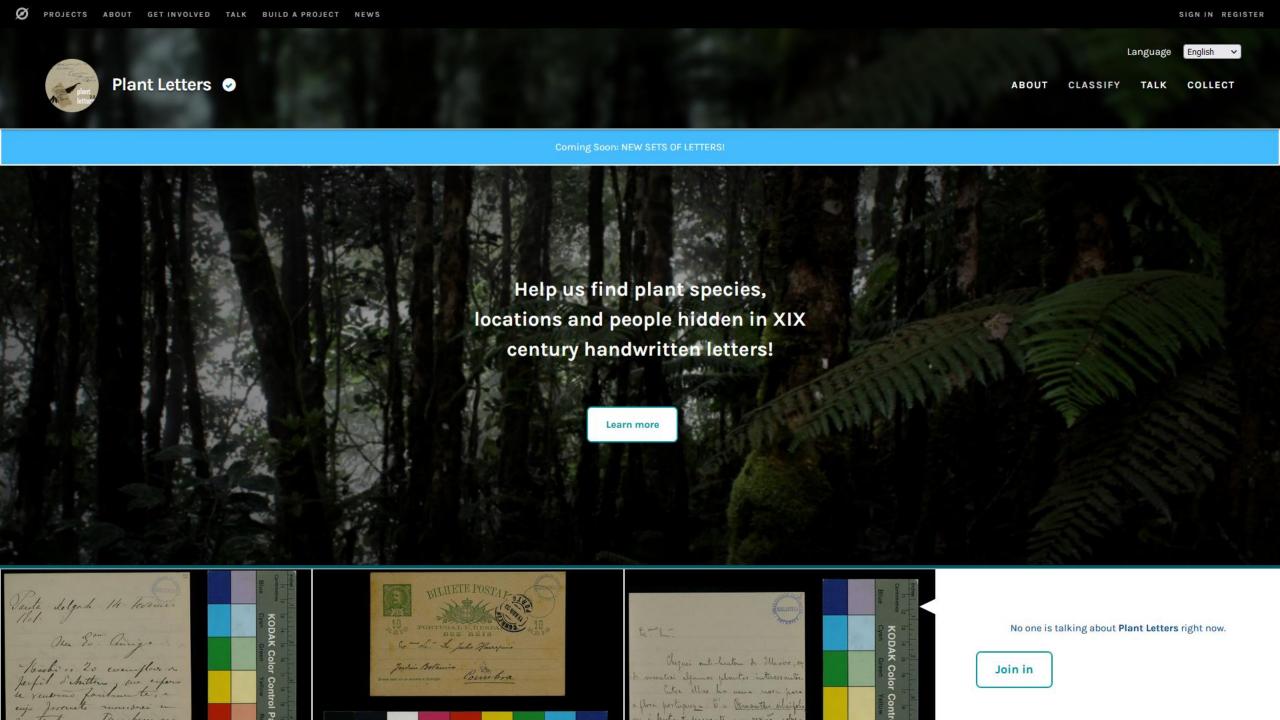
### **Plant Letters | Zooniverse**

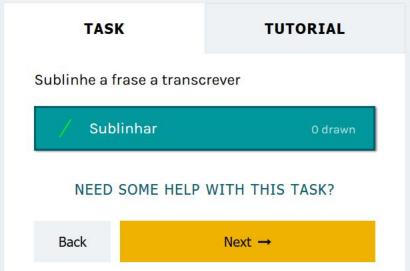
#### **DATA TRANSCRIPTION**

- stages of the scientific processes of collecting, classifying and taxonomy of plants;
- historical locations of plants, distribution areas and abundance of species;
- records of the circulation of biological material (plant and seed exchanges);
- participation of local assistants and indigenous knowledge systems
- reconstruct the path of herbarium specimens and museum objects in the UC's natural history collections;
- analyze the networks of botanical knowledge production.

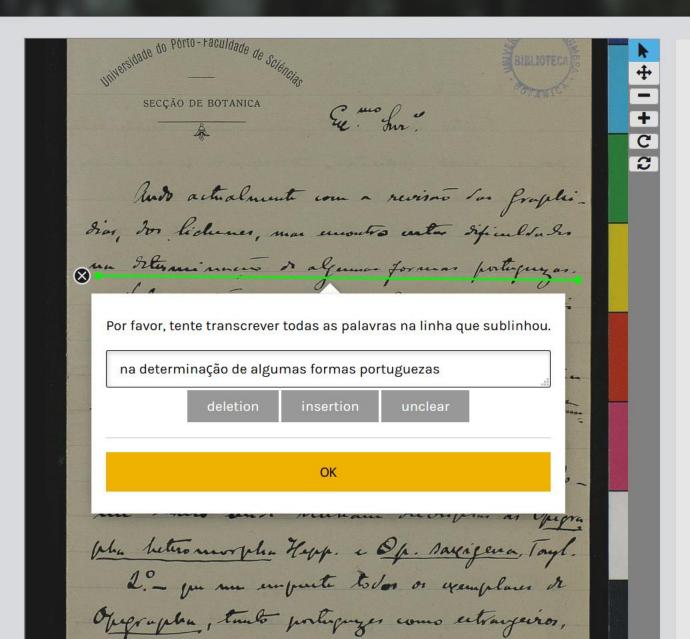








**ABOUT** 



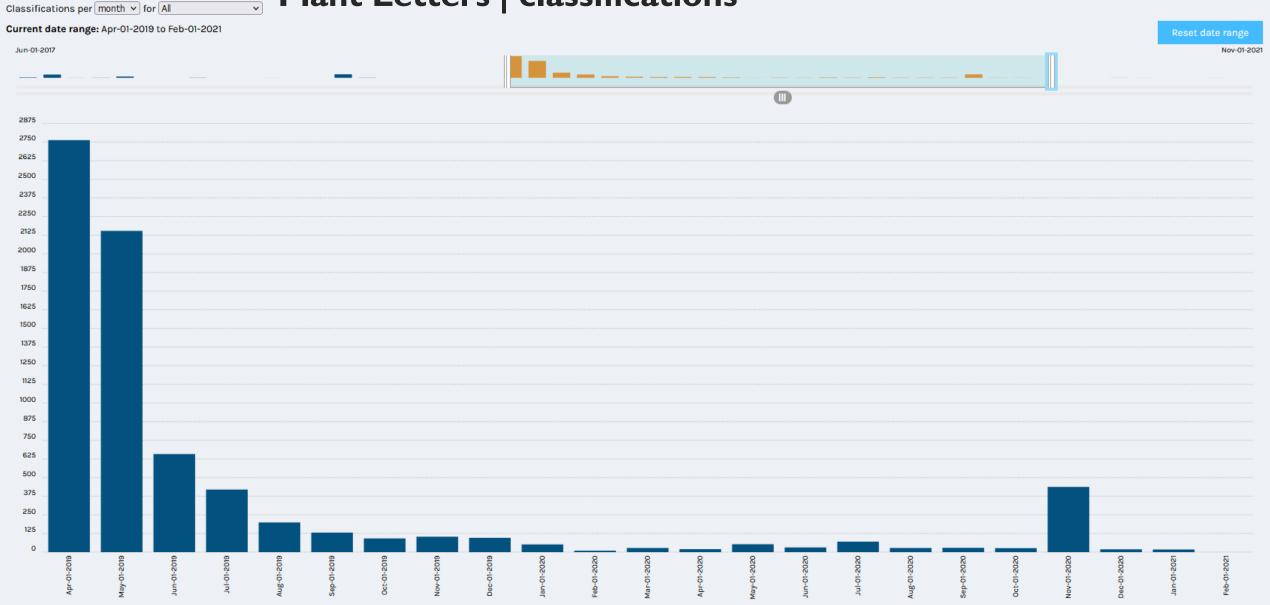
# **Plant Letters | results**

- 1018 documents [letters, postcards, multiple pages]
- 17 April 2019 January 2021
- 1052 participants
- 3,809,000 characters transcribed [the King James Bible is ca. 3,116,480]
- ca. 641,000 words
- 32 documents (13%) without any transcribed character





# Plant Letters | classifications





Transcriptor Login Register

Angola

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[Carta], 1900 Mar. 17, Ponta Delgada, a J. Henriques, [Coimbra] [manuscrito] / Bruno T. Carreiro. Schrigechter dan Profess!

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14044831 transc. incompleta

[Brief], 1897 Juli 17, Berlin, [an Júlio Henriques], Coimbra [manuscrito] / Ernest Gilg. Mon der collèger?

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14052863 transc incomple

[Lettre], 1893 jan. 15, Berlin, [à Júlio Henriques], Coimbra [manuscrito] / A. Engler. Pesquisar Também nos metadados

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14052163 transc. incompleta

[Letter], 1898 Oct. 20, London, [to] Mr. J. A. Henriques, Coimbra [manuscrito] / John Gossweiler.

Sch gubete Hur Profesor!

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14044840 transc. incomple

[Brief], 1905 März 13, Berlin, [an



14052838 transc. incomple

Postkarte, 1898 Jan. 31, Berlin,



14052855 transc. incomple

[Lettre], 1904, mai. 20, Berlin, [à



14118054 transc. incompleta

[Carta], 1913 Dez, 10, Lisboa, [a

**Plant Letters | Open Access** 

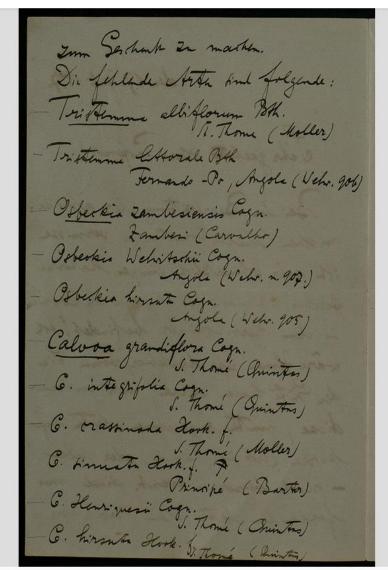
#### **TRANSCRIPTOR**

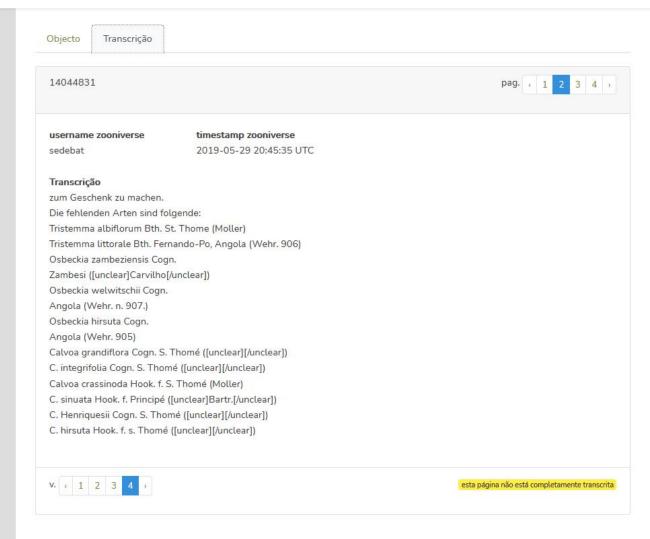
- . document image transcription platform;
- . allows viewing, searching and browsing the document information;
- . analysis and correction of transcripts obtained from Zooniverse;
- . expansion potential with other functionalities research methods that include *thesaurus* and hierarchical trees (taxonomy, geography).



Transcriptor Login Register





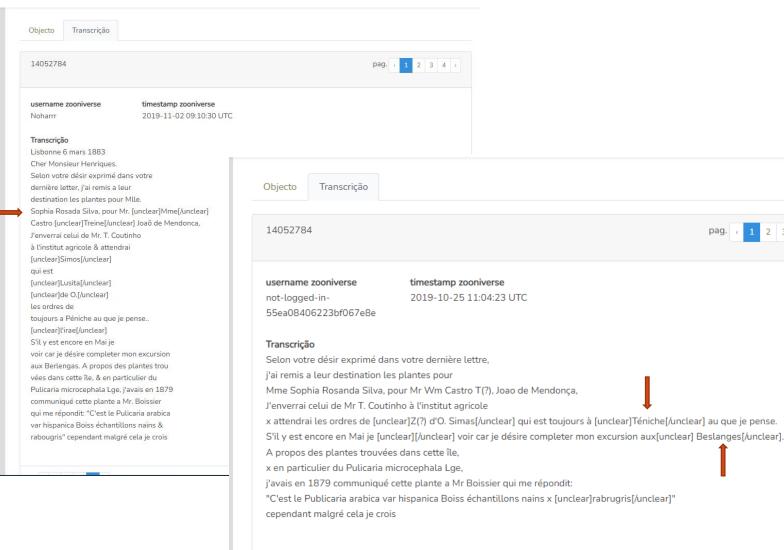




Li16 mme 6 mars 1883

Q a

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# **Interesting topics**

- Sharing archival heritage
- Decolonize archives and collections
- Participatory science in archives

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#### EXPLORE

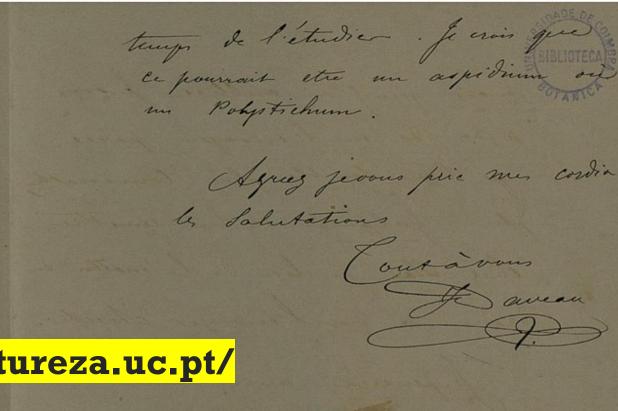
A base de dados 'Cartas da Natureza' contém a transcrição pesquisável do conteúdo de cartas do Arquivo de Botânica do Departamento de Ciências da Vida da Universidade de Coimbra (UC), feita por centenas de cidadãoscientistas de todo o mundo, a partir da plataforma Zooniverse.

da UC e integra mais de 1100 correspondentes.

produção de conhecimento botânico. Explore a informação a partir da caixa de pesquisa ou dos índices,

https://cartasdanatureza.uc.pt/

The database 'Plant Letters' makes available the searchable content of letters from the Botany Archive of the the world, through the platform Zooniverse.





#### **Plant Letters | team**

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M. Teresa Gonçalves

Thank you!







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