Design study for a collaborative Translation Service

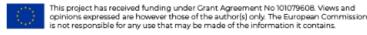
a significant path to multilingualism in academic contexts

Bruno Silva & Nelson Ferreira, Universidade de Coimbra

Bonn, 5th September 2023









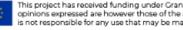
Mind the gap!

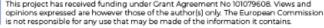
Multilingualism is an asset not a restrain

there are limitations on non-native language proficiency

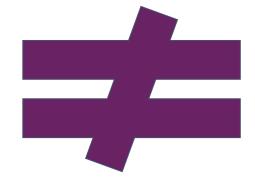








Lingua franca Unica



Lingua









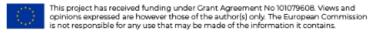
Lost in translation!

Problems

- funding for professional translation of scientific outputs.
- difficulties for writing using non-native languages.
- inefficiency of automatic translation platforms for correctly address subtleties of inquiring speech.
- specificities of language of each scientific field require a certain level of expertise.







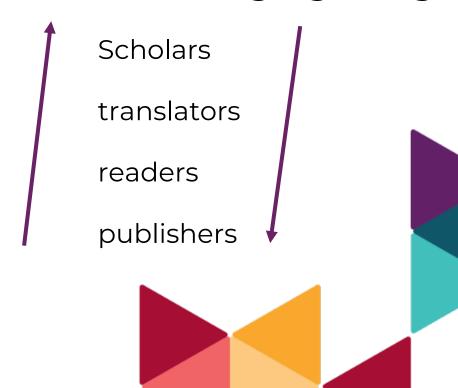
Explorative solution!

Started with:

Balula, A., & Leão, D. (2021). Multilingualism within Scholarly Communication in SSH. A literature review. JLIS.It, 12(2), 88–98

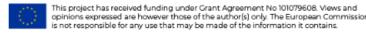
Delfim Leão, Ana Balula; Carlos Costa; Cornelia Plag; Lorena Caliman; Maria João Padez; Mickael Silva; Susana Jarmelo: "OPERAS-P Deliverable D6.4: Report on the innovative models of bibliodiversity in scholarly publications". DOI: https://doi.org/10.5281/zenodo.4817508;

Collaboration for bridging the gap:









Write in native language and outreach community

identify

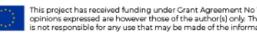
translate

review

discover (new) readable outputs









OPPORTUNITY

RESPONSE

PREPARE THE FUTURE



GO!





<u>uc</u> St

APRIL 2020

SEPTEMBER 2020





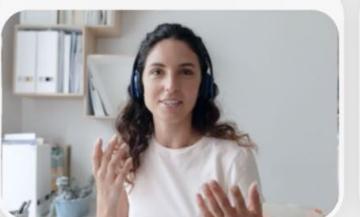




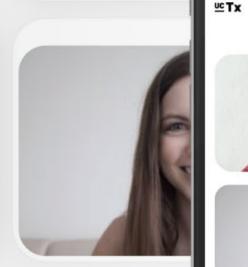


















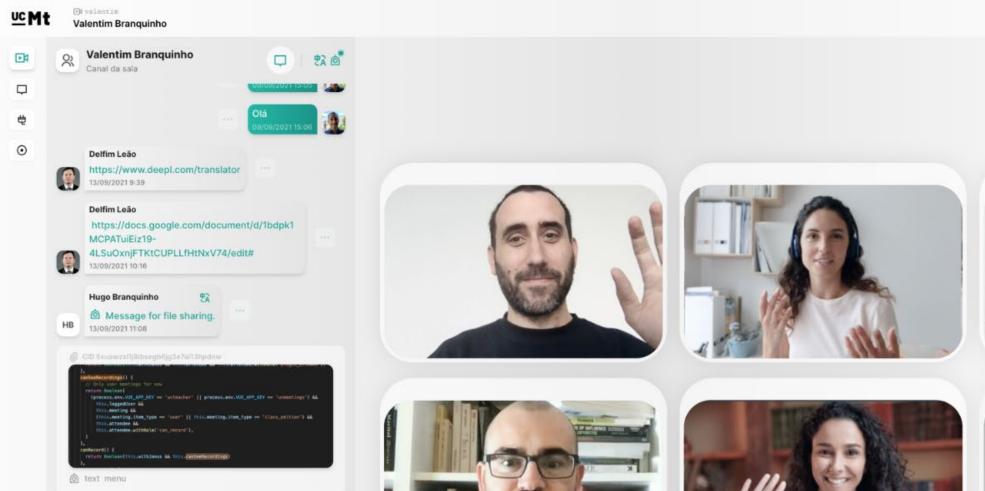








00:03:46



















https://qflow.uc.pt

https://ucmotionscreen.uc.pt

https://ucstudenthub.uc.pt











Tradução automática de mensagens

Fechar

Traduza automaticamente as mensagens dos participantes no idioma que precisar.



Traduzir para

English



Com esta funcionalidade pode traduzir individualmente cada mensagem, através do botão "Traduzir". O texto original está também sempre disponível. Mensagem para partilha de fio



1st YEAR

September 2020 to October 2021



39.279 classes and virtual meetings

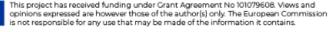
742.712 users

(non unique)











UC new Digital Building Architecture



Frontend





My<u>∪c</u>



<u>uc</u> Ms



UC Ap























API REST JSON communication

Core Microservices

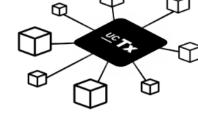
Backend

UCFW UC Id UCFW **Content API** **Notifications API**

UCFW Websockets API

UCFW **Academics API**

UCFW Forms API UCFW **Activity API** UCFW Storage API







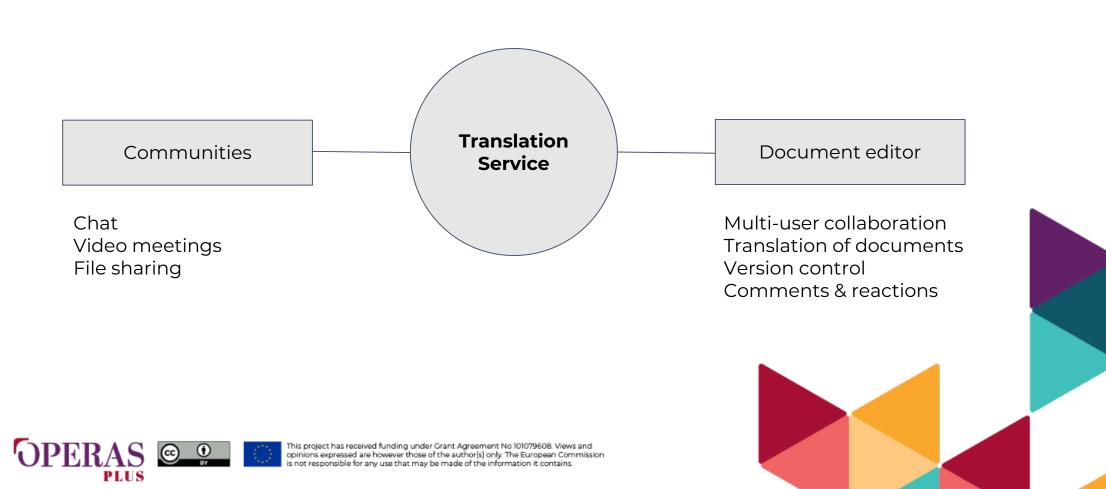


UCFW **Chats API**

UCFW **Analytics API**

Meetings API

Translation service

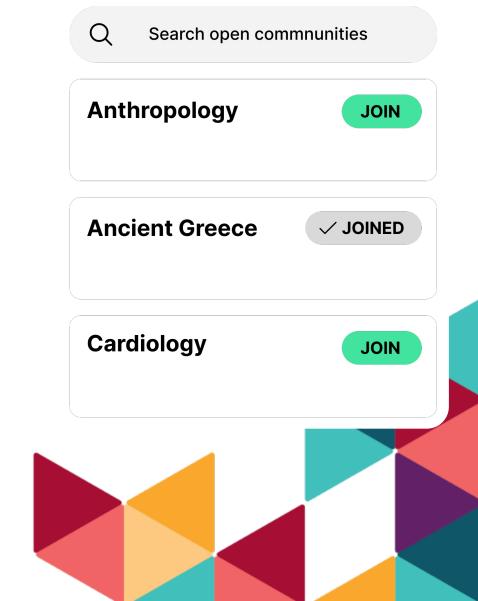


Communities

for a small group or as wide as an scientific area

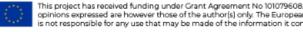
Open communities: search and join open communities - find the latest papers in your area of interest or collaborate in active translation papers

Close communities or groups









Community

Chat and communicate with video

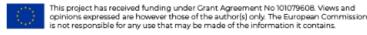
Upload your paper and get insights, comments or suggestions

Allow others to translate part or the full paper

Have control of who can edit, comment or read your paper

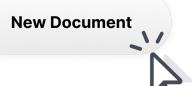








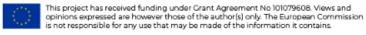
Multimedia Document Editor



or upload an existing document from your computer









Multimedia Document Editor

Title

Your text here



+ Add block of content

text
images
links
videos
files



Translation

ORIGINAL LANGUAGE

Título

Ó mar salgado, quanto do teu sal São lágrimas de Portugal! Por te cruzarmos, quantas mães choraram, Quantos filhos em vão rezaram! Quantas noivas ficaram por casar Para que fosses nosso, ó mar!

Valeu a pena? Tudo vale a pena Se a alma não é pequena. Quem quer passar além do Bojador Tem que passar além da dor. Deus ao mar o perigo e o abismo deu, Mas nele é que espelhou o céu.

- Fernando Pessoa

TARGET LANGUAGE

More than 24 target languages

Title

Oh salty sea, how much of your salt
They are tears from Portugal!
For crossing you, how many mothers cried,
How many children prayed in vain!
How many brides were left to marry
That you should be ours, oh sea!

Worth it? Everything is worth it If the soul is not small.
Who wants to go beyond Bojador
You have to go beyond pain.
God to the sea the danger and the abyss gave,
But in him he mirrored the sky.

- Fernando Pessoa



Translation & More

Versioning control - with ability to restore a previous version or approve a specific version of the document

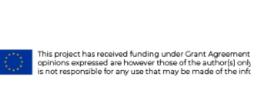


Side comments and reactions

Simultaneous collaboration in a document or translation











Professional language files

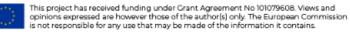
TMX

XLIFF

*images, videos and other multimedia are ignored when downloading in these formats









Pilot for the translation service











Current status of the pilot

Document editor

Close communities: chat, video & file sharing

Translation of documents

Open communities

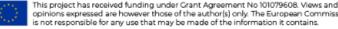
Professional language files (TMX, XLIFF)

Versioning







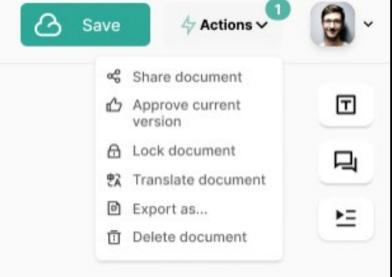




Text content

Add page

O Click to add content block



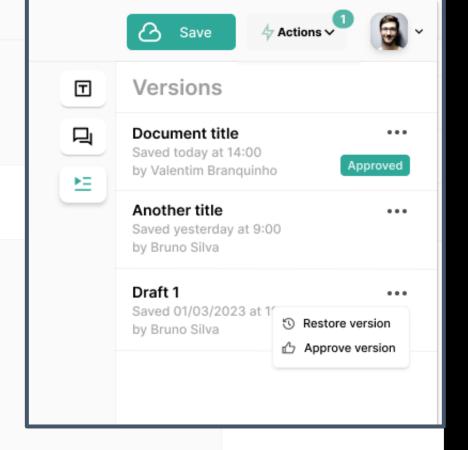


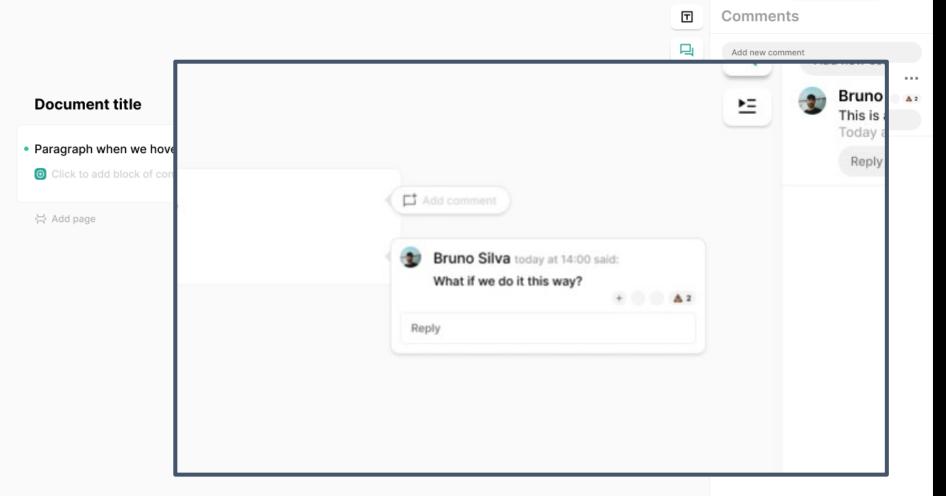
Document tile

Page content

Click to add content block

Add page





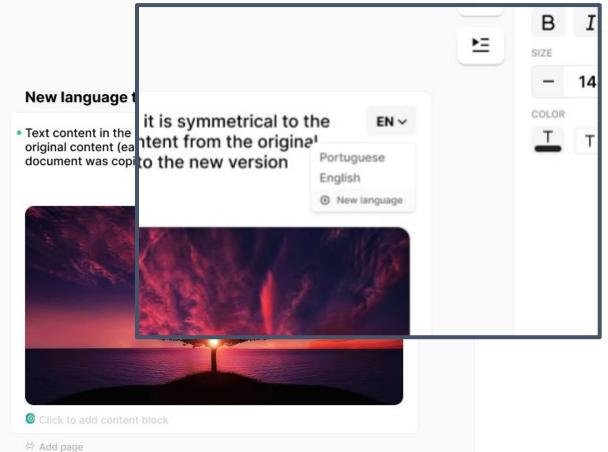




Original document title

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Add page

Thank you!

Questions?



Nelson Ferreira https://orcid.org/0000-0003-2637-3211 nelsonhenriquecechuc@gmail.com



