



# Open Educational Resources: initiatives towards culture implementation at a public university

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Our purpose is to present the experience of a Brazilian public university (Universidade Federal do Recôncavo da Bahia) in the development of OER culture in open education and mobile app context



# 2012 Paris OER Declaration

OER is ...

teaching, learning and research materials in any medium, digital or otherwise, that reside in the public domain or have been released under an open license that permits no-cost access, use, adaptation and redistribution by others with no or limited restrictions. Open licensing is built within the existing framework of intellectual property rights as defined by relevant international conventions and respects the authorship of the work.

# Open education

- student freedom to decide where to study;
- use of self-instruction with formal or informal validation of learning through optional certification;
- exemption from costs that would be considered a barrier to access to formal education;
- exemption of selecting exams and necessity of presenting previous qualifications;
- accessibility of courses for students with physical or social disadvantage;
- provision of open educational resources, used both in formal and in non-formal education (Santos, 2012).

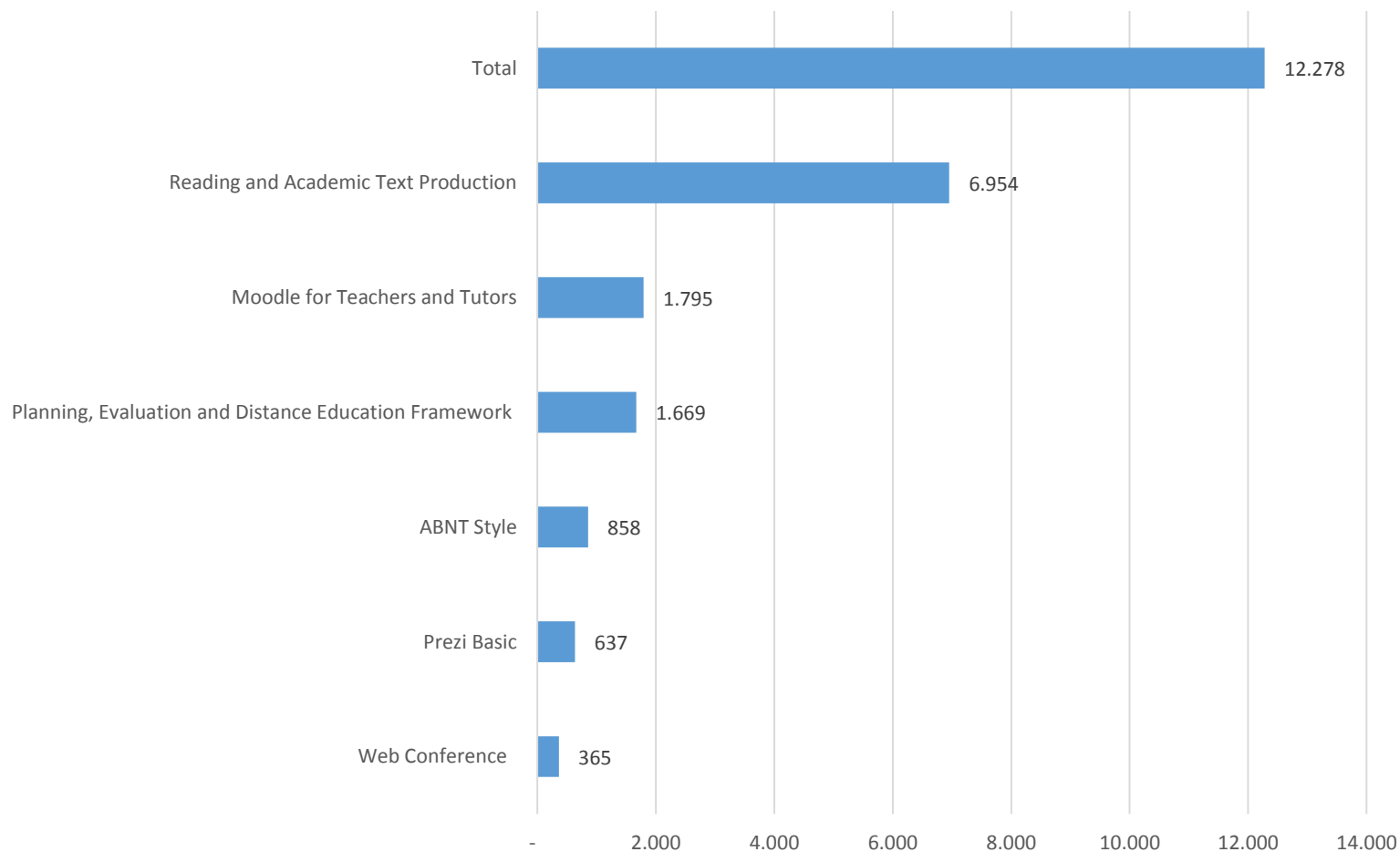
# OER at a public university: an experience reporting



Cruz das Almas, Bahia State, Brazil

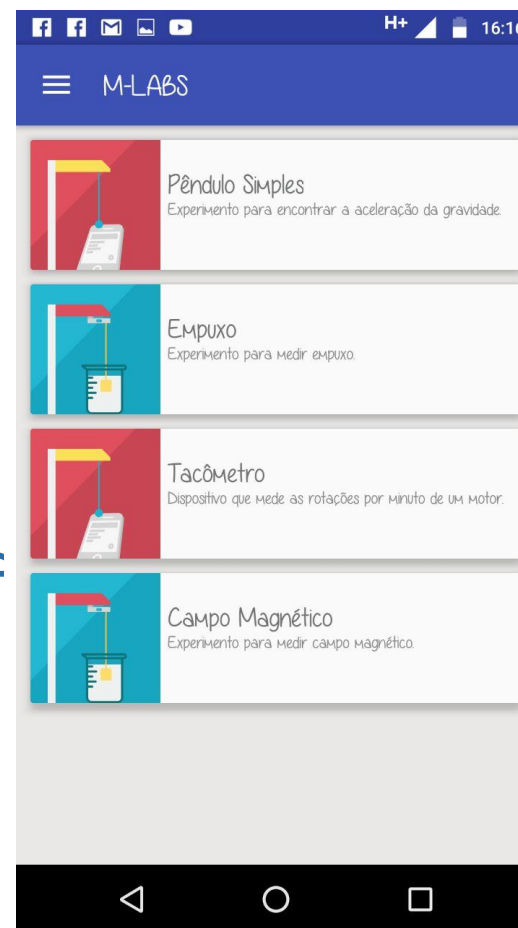
# UFRB Open education: MOOC

MOOC UFRB 2015 - enrollment



## UFRB OER: MLabs

- experimental measurements in physics education with tablet and smartphone devices
- statistical tools allows a real time data processing, optimizing both the interpretation and the assimilation of contents
- measurement and perception of many physical phenomena related to several areas of physics such as mechanics, dynamics fluids, electromagnetism etc





# UFRB OER: Quick Voice App

It is very simple:

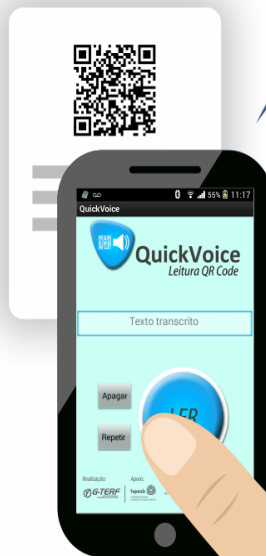
download Quick Voice,  
visit any site that  
make a QR CODE:



print



scan



listen to text



you can hear a QR CODE  
anywhere, in a brochure,  
packaging, book, screen, etc.

download now!





## Conclusions

- UFRB MOOC successful experience motivated many professors to use Moodle open platform in their face-to-face classes and they are also engaged in developing new MOOCs, disseminating OER culture through the university



## Conclusions

- M-Labs as an experimentation platform in physics education offers free portable experimentation in physics phenomena, without expansive financial investment in face-to-face laboratories
- “Quick Voice” App as a tool to help blind and visually impaired to convert bi-dimensional code (QR Code) into text files, either in writing or in audio.
- M-labs and “Quick Voice” apps have promoted an OER culture among professors and students, motivating them to participate in new OER projects.



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