IS GOOD TO BE OPEN?

It is not good is the only way
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Main characters

Biggest university in Spain.
220,000 students, 8,000 teachers
Public
Distance learning

Private foundation
UNED, Telefónica, Santander (Bank), ...
Private
Distance learning innovation

Strategic consulting, technology and legal firm
No former experience with MOOC
Private
Only innovative trends
What have I done to deserve this?

July. 2012
- Do you have something planned for your summer?
- Do you have former experience developing a MOOC platform?
- Do you know which are the blocks of a MOOC?
- Is there open source code that could fit this needs?
- What will be the topic of the two courses?
- What license could meet all the expectations?
- Who is going to pay the streaming?

Sept. 2012
- Very first version http://unedcomoa.es
- 2 courses (Open data and e-commerce)

+ 
- It was possible!!
- Fully open source.
- Name: Openmooc

Do you have an interface for the teachers?
- Official launch?
The very first version

- **IDP**
  - Users stored in LDAP
  - Single Sign On based on Simplesamlphp v1.8
  - php + nginx 1.0.15

- **MOOCng**
  - Python + django 1.4
  - DDBB mongodb 2.2.3 logs storage
  - PostgreSQL 8.4 stores courses and answers to course's questions
  - API tastypie 0.9.11
  - Frontend bootstrap
  - Nginx 1.0.15

- **Fora**
  - Based on Askbot (identity)
  - Python contra django 1.3
  - BBDD mysql 5.1
Is good to be open? (I)

Impossible to have a first version without:
- django
- askbot
- samlphp
- ngnix
- ….  

Community in google groups (not open)
https://groups.google.com/forum/#!forum/openmooc

Twitter (not open)
@openmooc

Main blog of community
http://openmooc.org

Github
https://github.com/OpenMOOC
'Fork'

Potential business behind MOOC

- Launch Wemooc
- Based on Liferay
- Released later basic wemooc
- Several modules needed but not open (for the moment)

http://rednunx.org

http://miriadax.net
Contents?

You have a MOOC platform with two courses. And now what? Who is going to teach teachers on how to create a MOOC? Do you really think to involve teachers with such interface? Is there anything uglier than the frontpage of COMA? Why do you think a teacher is going to collaborate in a MOOC? Facilitator and curator roles? Scalability for questions? Support area for participants' doubts? Do you have a demo environment for testing?

End 2012
New interface for teachers
19 new courses (From arts to electronics circuit and languages)

+ National unemployment services push us
Easy to involve if simple interface

- You do not have a recruiting policy
Questions can break your platform
Very basic tool
Is good to be open? (II)

Impossible to have a first version without: (Again)
- django
- askbot
- samlphp
- ngnix
- ....

Open Licensing make easier to create a demo environment

Open licensing of contents make possible to create some of them
Features?

Jan. 2013
- I want to contact with students. How?
- Do you know what is a P2R question?
- Have you enough development capacity for this?
- Storing documents could be a mess. No.
- Monitoring is important.
- Statistics for 100,000 students. It does not work!!
- Migration of courses' contents.
- I want a badge.
- Why don't we use this for.... and a wiki.

March 2013
- Restructuring logs
- Demo environment
- P2R option
- Simple badges

Openmooc is very international brand
Benchmarking others make you better
Collaboration between open source developers

Not forecasting potential demand
Demand for questions is infinite
Organizing support
Teachers can be atechnological
Extension

- Massive mail
  - Currently sendgrid (300,000 / month)

- Storage
  - Currently S3
Is good to be open? (II)

Impossible without code for connecting with open services
- Amazon
- Sendgrid

Impossible without former experience of open source coders to collaborate
Current

March. 2013
I want to connect external educational resources. How?
I want to earn money with this. How?
Your badging is very basic, isn't it?
Video is good but I want to make a simple question.
Youtube is good but what about others?, or just text.
I need a new instance very quick
Is there formulae for technical questions?
Legal concerns. Privacy

Now
Connection with certification
External resources manager
New questions' format
Image for virtual machine

+ Certification is a success
+ Image for a virtual machine

- Antivirus for users' contents
- Installation is tough
Extension

- External resources manager
  - Own development python

- Certification
  - Very specific for UNED

External resources manager

- Fora
  - Idp identity
    - SAML 2.0
  - MOOCng
    - Youtube
    - Streaming video
  - Mysql
  - Massive mail
  - Storage
  - Postgre
  - Mongodb
Is good to be open? (III)
Future

June. 2013
I want to make complex questions
I want to install the platform with a wizard
Wiki please!!
Is it necessary to be so ugly?
My own streaming
Easy new instance of the same course. Reuse of contents
Can I preview courses
Workflow for creating a course
Scripts for assessing questions
Cross-selling
Social network
.....

Sept. 2013
Everything done!!

- Exploitation could interfere development
- Demand can break any plan

Very interesting features
Impulse to community
Conclusion

This kind of project cannot be done without
- An open source stack of technologies
- An open approach to development
- An open licensing of contents

Results
- Currently more than 120,000 students involved
- Earning a bit of money

Check it out at http://openmooc.org

More questions please!!
Rooter
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