

# France Université Numérique

**Life in the Avant-garde**

Régis Behmo (@regisb)

Open edX Conference, October 12 2015 | Wellesley, MA

# France Université Numérique: Life in the Avant-garde

 Integration with Open edX

 Dashboards

 XBlocks


 Issues

# France Université Numérique (FUN)

- 193 courses
- 61 universities
- 1M course enrollments
- 420k users from 213 countries

# France Université Numérique (FUN)

<https://www.france-universite-numerique-mooc.fr/>




\_regis\_

DÉCOUVRIR, APPRENDRE ET RÉUSSIR

[QU'EST-CE QUE FUN ?](#) | [ACTUALITÉS](#) | [LES COURS](#) | [LES ÉTABLISSEMENTS](#) | [SE DÉCONNECTER](#)


COURS ACTUELS :



Questions stratégiques

Le CNAM - 01018  
Cours commencé le 14 sept 2015

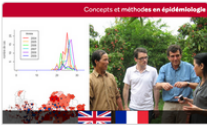
Voir le cours



Fondamentaux pour le Big Data

Institut Mines-Télécom - 04006S02  
Cours commencé le 24 août 2015

Voir le cours



Concepts et méthodes en épidémiologie

Le CNAM - 01001S02  
Cours terminé le 01 mars 2015

Voir les Cours archivés

Les derniers détails du cours sont en cours de préparation. Votre note finale sera disponible sous peu.

Vous voulez changer les paramètres de votre compte ?  
Cliquez sur le menu déroulant ci-dessus.

# France Université Numérique (FUN)

<http://hack.openedx.fr/>

#OPENEDXHACK

INSCRIPTION

MENU ≡

## Hackathon Open edX France

48 heures pour imaginer la plateforme de MOOC de demain

Merci à tous ceux qui ont participé à #OPENEDXHACK !

Découvrez les projets, des vidéos, et des photos dans les archives. Organisé par IONISx, France Université Numérique et edX dans 8 villes en France, les 29 et 30 mai 2015.

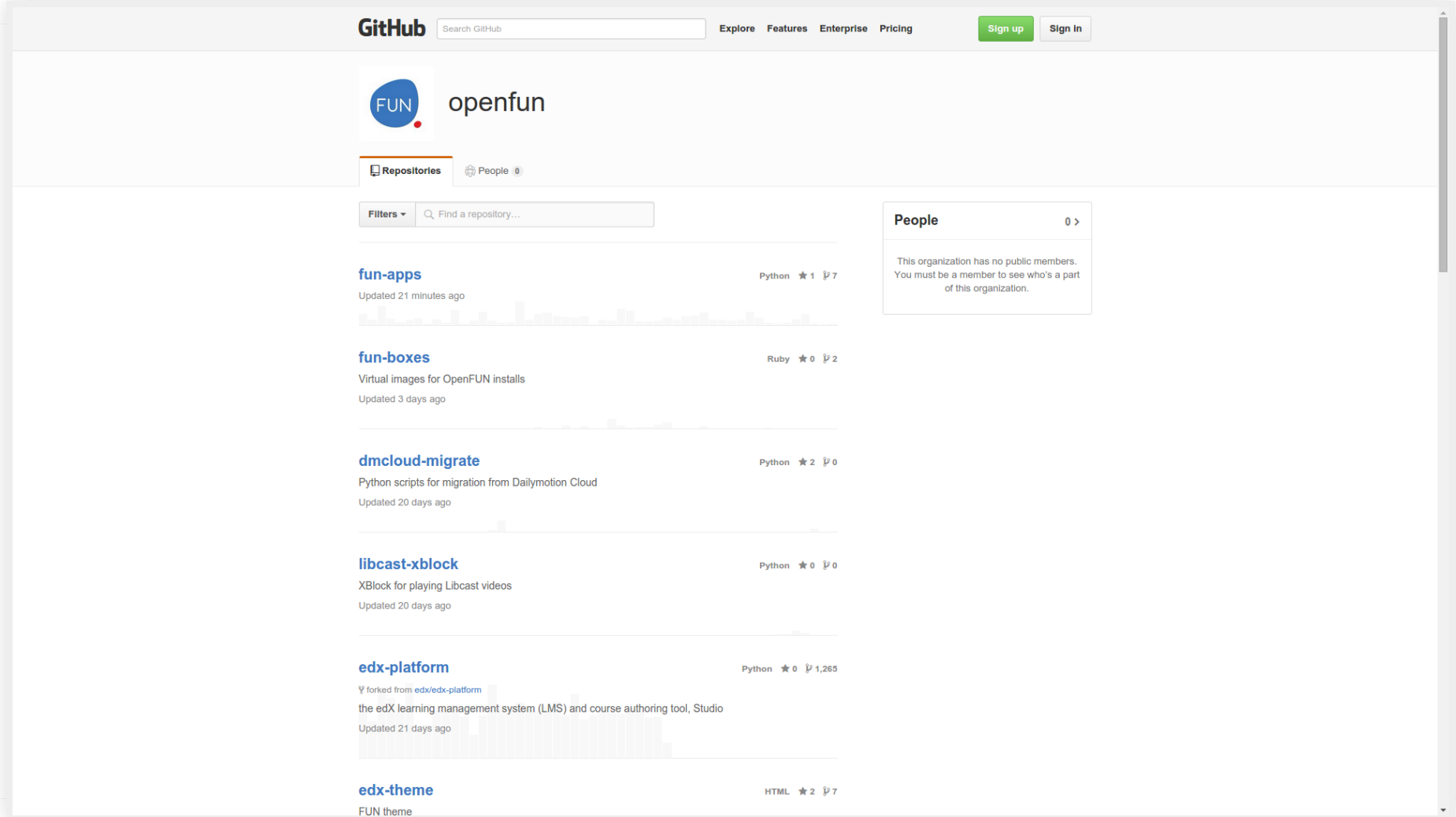
VOIR LES ARCHIVES

Le premier hackathon dédié aux  
MOOC sur Open edX



# France Université Numérique (FUN)

<https://github.com/openfun/>



The screenshot shows the GitHub organization page for 'openfun'. The header includes the GitHub logo, a search bar, and navigation links for Explore, Features, Enterprise, and Pricing. There are 'Sign up' and 'Sign in' buttons. The organization's profile shows the 'openfun' name and a logo. Below this, there are tabs for 'Repositories' and 'People'. The 'Repositories' tab is active, showing a list of repositories with filters and a search bar. The repositories listed are:

- fun-apps**: Updated 21 minutes ago. Python, 1 star, 7 forks.
- fun-boxes**: Virtual images for OpenFUN installs. Updated 3 days ago. Ruby, 0 stars, 2 forks.
- dmcloud-migrate**: Python scripts for migration from Dailymotion Cloud. Updated 20 days ago. Python, 2 stars, 0 forks.
- libcast-xblock**: XBlock for playing Libcast videos. Updated 20 days ago. Python, 0 stars, 0 forks.
- edx-platform**: the edX learning management system (LMS) and course authoring tool, Studio. Updated 21 days ago. Python, 0 stars, 1,265 forks.
- edx-theme**: FUN theme. HTML, 2 stars, 7 forks.

On the right side, the 'People' tab shows 0 members and a message: 'This organization has no public members. You must be a member to see who's a part of this organization.'

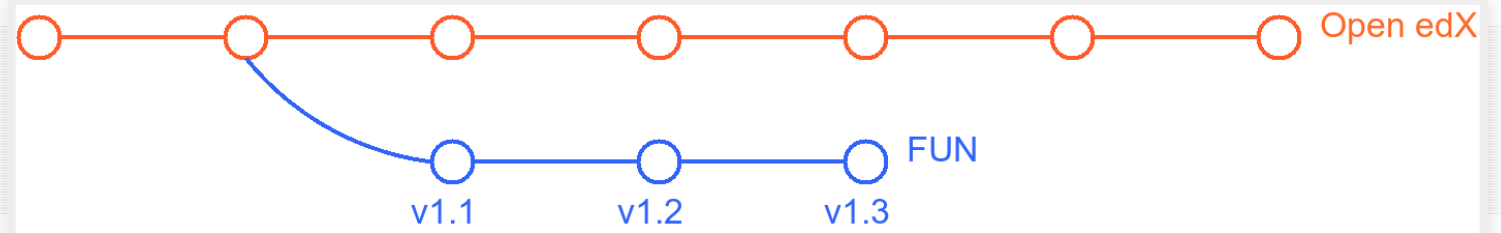
# France Université Numérique (FUN)

<https://github.com/openfun/>

```
$ grep openfun edx-platform/AUTHORS
Régis Behmo <regis.behmo@openfun.fr>      # @regisb
Sylvain Toé <sylvain.toe@openfun.fr>       # @lazybird
Richard Moch <richard.moch@openfun.fr>     # @rmoch
Julien Paillé <julien.paille@openfun.fr>    # @jpaille
```

# fork?

Permanent  
fork



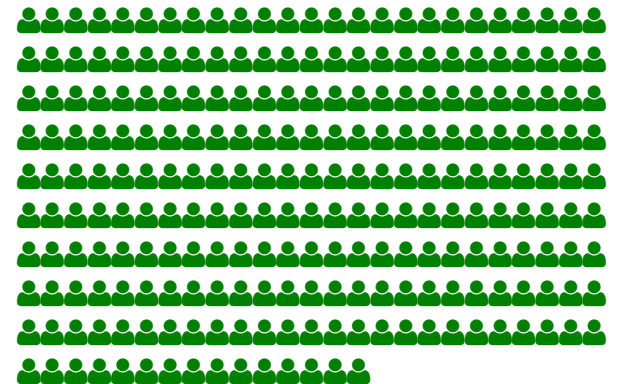
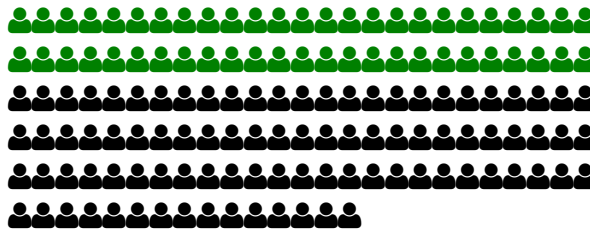


FUN

edX

Open edX  
contributors

`wc -l edx-platform/AUTHORS`

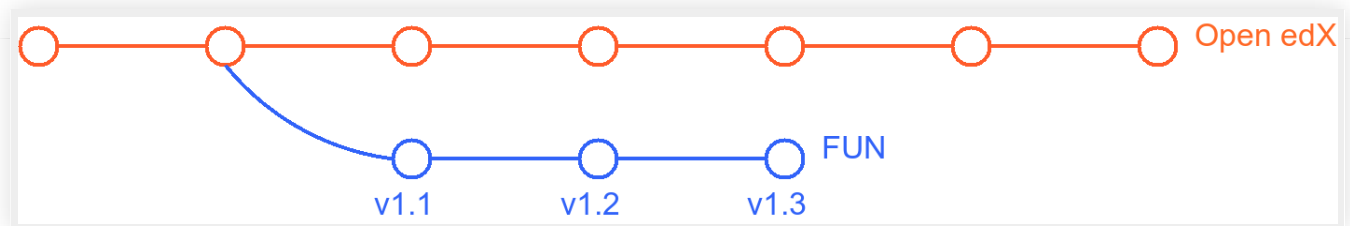


 developer

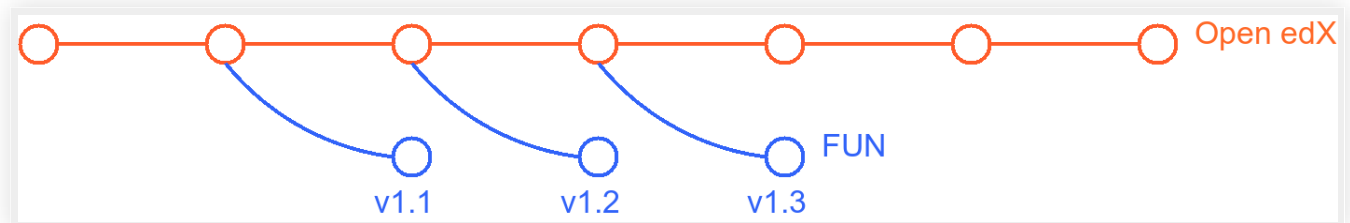
 non-developer

# fork?


Permanent fork





Regularly-  
updated fork









# fork?



 **openfun / edx-platform**  
forked from [edx/edx-platform](#)

 Unwatch ▾ 11 

the edX learning management system (LMS) and course authoring tool, Studio <http://code.edx.org/> — Edit

 <b>30,425</b> commits	 <b>28</b> branches	 <b>355</b> releases	 <b>218</b> contributors
---	--	---	---

 Branch: **fun/release-2....** ▾ **edx-platform** / + 

This branch is 10 commits ahead, 2773 commits behind edx:master.  Pull request  Compare

 Integration with Open edX

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# Upstream integration

```
$ cd edx-platform && git log | grep openfun
Merge pull request #9590 from openfun/openfun/fix-dropdown-problem-template
Merge pull request #8725 from openfun/regisb/fix_xblock_class_loading
Merge pull request #7474 from openfun/rmoch/fix_forum_action_button_issue
Merge pull request #7997 from openfun/rmoch/i18n_problem_explanation_title
Merge pull request #7101 from openfun/fun/xblock-authoring-fix-settings-import
Merge pull request #6560 from openfun/openfun/studio-csrf-error
Merge pull request #6082 from openfun/edx/translate-enrollment-emails
```

```
$ cd edx-ora2 && git log | grep openfun
Merge pull request #640 from openfun/edx/multiple-fileupload-backends
Merge pull request #681 from openfun/openfun/fix-vagrantfile
```

# Plugging FUN → edx-platform

1.

```
pip install fun-cmd
```

2.

```
fun lms.dev run
```



```
sys.path.append("/edx/app/edxapp/fun-apps/")
```



```
/edx/app/edxapp/fun-apps/fun/envs/lms/dev.py
```

# Patching Open edX

## Easy

Modify settings

- Patch FUN settings

## Medium

Patch code

- Patch edx-platform
- Maintain patch

## Hard

Patch dependency code

- Patch dependency
- Patch edx-platform requirements
- Maintain 2 patches

## **The FUN devstack**

- <https://github.com/openfun/fun-boxes>
- <http://files.alt.openfun.fr/vagrant-images>



 Integration with Open edX

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Backoffice

Course dashboard

Video upload manager

Kibana dashboard

 Integration with Open edX

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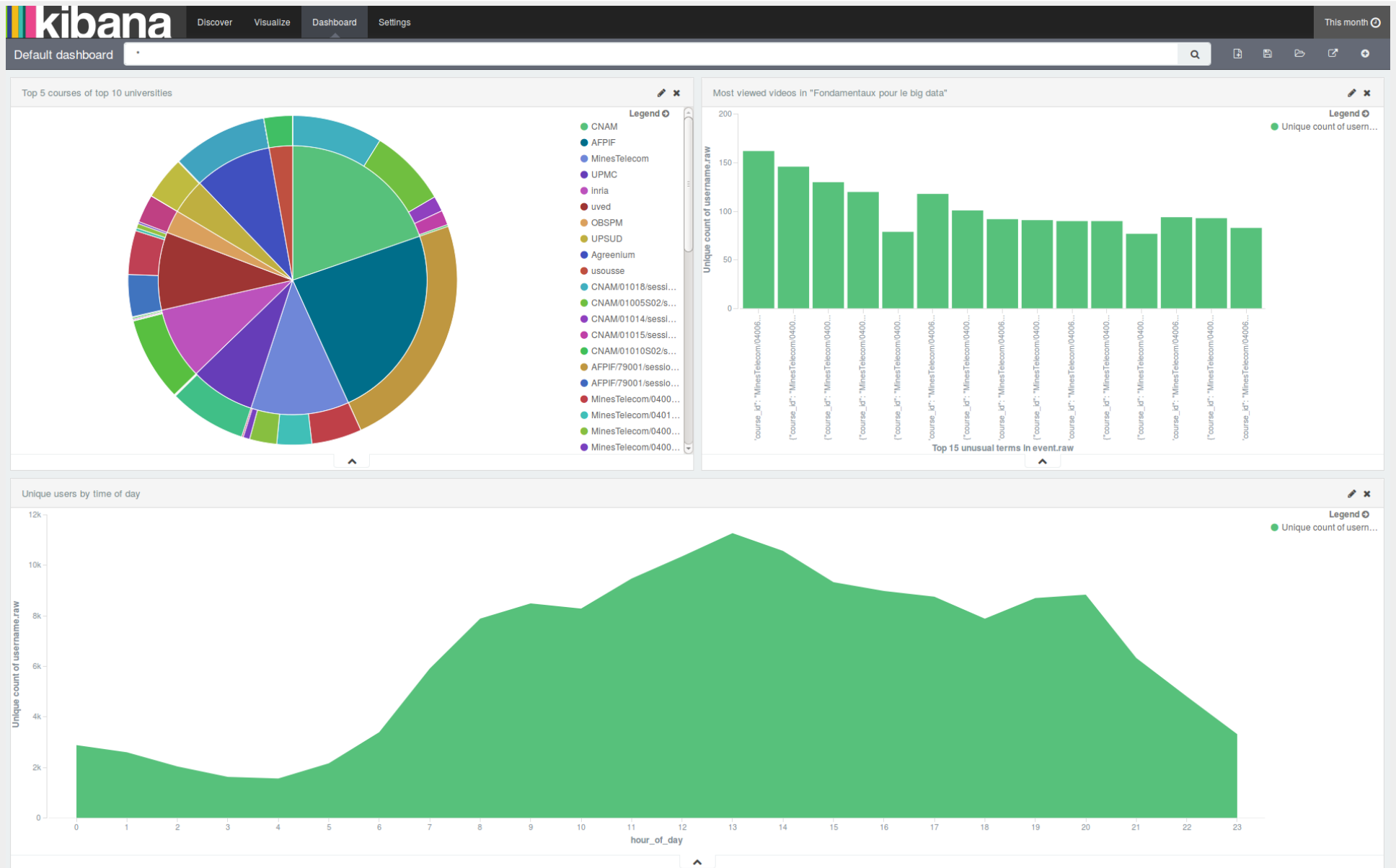
Course dashboard

 XBlocks

Video upload manager

 Issues

Kibana dashboard



<https://github.com/openfun/fun-logstash>

 Integration with Open edX


 Dashboards

 XBlocks






 Issues

# XBlocks: Graded external assignment

<https://github.com/openfun/edx-gea/>






 Caution: The last published version of this unit is live. By publishing changes you will change the student experience.

Text

 EDIT    

**The assessment will take place from Monday 17 August until Thursday 20 August 2015 (inclusive). Students who are expecting to take an exam in August should, however, plan to be in St Andrews for all four days.**

External Activity Grader

 EDIT    

Assessment file:  No file selected.

# XBlocks: Graded external assignment

<https://github.com/openfun/edx-gea/>

	A	B	C	D
1	Jean	18	Well done Jean.	
2	Jack	12		
3	Pierre	8	A lot of mistakes, keep studying.	
4				
5				



# XBlocks: Password-protected, time-limited container

<https://github.com/openfun/password-container-xblock/>

## Editing: Time and password limited container

Identifiant de groupe:

Tous les activités ayant cet identifiant en commun seront débloquées en même temps.

Debut de la visibilité:

Date de début de la visibilité du contenu (UTC)

Fin de la visibilité:

Date de fin de la visibilité du contenu (UTC)

Mot de passe:

Mot de passe pour deverouiller le contenu

Durée de disponibilité:

Durée de la disponibilité du contenu en minutes


Save

Cancel





# XBlocks: Password-protected, time-limited container

<https://github.com/openfun/password-container-xblock/>

Section / Subsection / Unit

Time and password limited container 

Multiple Choice

EDIT    

MULTIPLE CHOICE (1 point possible)

Quick! What is the correct answer to this question?

☒


☐ Answer 2


☐ Answer 1


Check


Show Answer


Add New Component

 Advanced

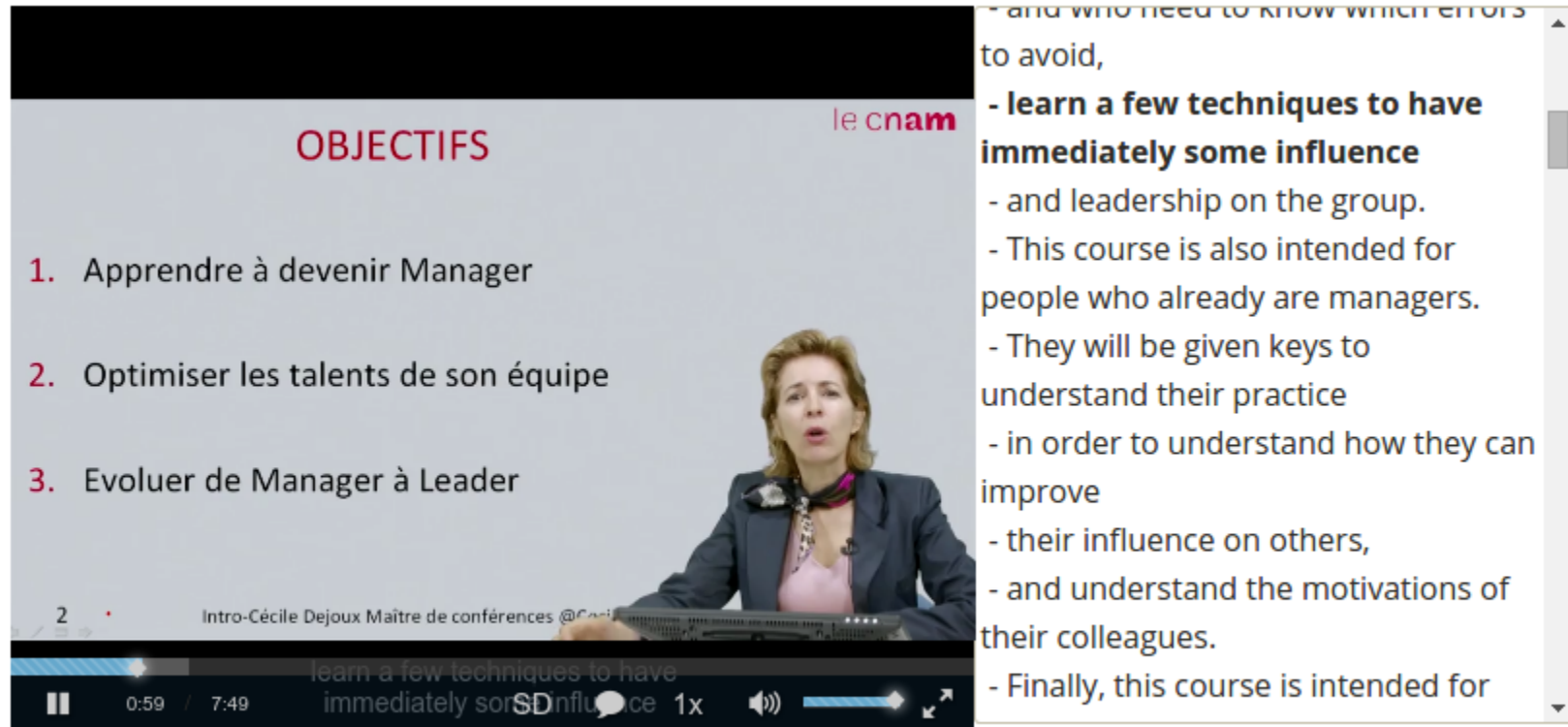
 Discussion

 HTML

 Problem

 Video

# XBlocks: Videojs player



The screenshot shows a video player interface. The main video area displays a presentation slide with the title "OBJECTIFS" in red. The slide lists three objectives: 1. Apprendre à devenir Manager, 2. Optimiser les talents de son équipe, and 3. Evoluer de Manager à Leader. A woman, Cécile Dejoux, is visible in the bottom right corner of the video frame, speaking. The video player controls at the bottom show a progress bar at 0:59 / 7:49, a play button, a volume icon, and a full screen icon. The video title "Intro-Cécile Dejoux Maître de conférences @Cnam" is visible in the bottom left of the video frame. The video player is embedded in a web page, with a sidebar on the right showing a list of video thumbnails.

**OBJECTIFS**

1. Apprendre à devenir Manager
2. Optimiser les talents de son équipe
3. Evoluer de Manager à Leader

Intro-Cécile Dejoux Maître de conférences @Cnam

0:59 / 7:49

learn a few techniques to have immediately some influence

1x

Télécharger la vidéo : [Haute définition \(720p\)](#) / [Standard \(512p\)](#) / [Smartphone \(320p\)](#)

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# Explicit dependencies on Amazon Web Services (AWS)

```
def some_view(request):  
    url = get_upload_url()  
    return render(request, "some_template.html", {"url": url})
```

## Hardcoded

```
def get_upload_url():  
    conn = connect_to_s3()  
    return conn.generate_url()
```

---

## Setting- dependent

```
def get_upload_url():  
    from importlib import import_module  
    name = getattr(  
        settings, "STORAGE_BACKEND",  
        "storage.s3" # default storage  
    )  
    backend = import_module(name).Backend()  
    return backend.generate_url()
```



# Extended course properties

```
class CourseFields(object):  
    advanced_modules = List(...)  
    foo = List(...)  
    bar = String(...)  
    ...  
  
    # Course-specific properties  
    advanced_properties = Dict(...)
```

```
class Course(django.models.Model):  
    course_id = django.models.CharField(...)  
    custom_property = django.models.CharField(...)  
    ...
```





- No microsite in studio
  - Course creation
  - User subscription
- 

Microsites for white label?

# What's next?

Themes, course filtering, course search...

Discover, learn and succeed

 Régis Behmo

Refine search results

Disponibilité

Nouveau

12

Fin d'inscription imminente

12

Démarre bientôt

12

A la demande

12

Themes

Agronomie et agriculture

6

Chimie

6

Communication

15

Création, arts et design

4

Cultures et civilisations

7

Découverte de l'Univers

2

Droit

35

Droit et juridique

9

Tous les thèmes

Les Établissements

Agrenium

1

AgroCampus Ouest

1

176 résultats 1 2 ... 4 &gt;

50 par page



NOUVEAU COURS

Economie du droit

 Début  
14 Déc. 2015

S'inscrire



NOUVEAU COURS

Le meilleur du web - Session 1

 Début  
14 Déc. 2015

S'inscrire



NOUVEAU COURS

La Fabrication numérique - session 1

 Début  
14 Déc. 2015

S'inscrire



NOUVEAU COURS

Éducation aux médias et à l'information (eFAN)

 Début  
14 Déc. 2015

S'inscrire



NOUVEAU COURS

Monter un MOOC de A à Z - session 2  
ENS Cachan

 Début  
14 Déc. 2015

S'inscrire



NOUVEAU COURS

Cours de Test FUN

 Début  
14 Déc. 2015

S'inscrire



NOUVEAU COURS

 Début  
14 Déc. 2015

S'inscrire



NOUVEAU COURS

 Début  
14 Déc. 2015

S'inscrire



NOUVEAU COURS

 Début  
14 Déc. 2015

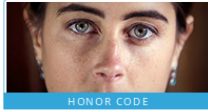
S'inscrire



# What's next?

Hackathon!

## MY COURSES



HONOR CODE

## The Science of Everyday Thinking

UQx - Think101x  
Started - Aug 11, 2015

View Course

## Challenge Yourself!

Take this course as an ID-verified student.

You can still sign up for an ID verified Certificate of Achievement for this course. If you plan to complete the whole course, it is a great way to recognize your achievement. [Learn more about the verified Certificate of Achievement.](#)



Upgrade to Verified Track



HONOR CODE

## Introduction to Computer Science

HarvardX - CS50x3  
Started - 2015

View Course

## Challenge Yourself!

Take this course as an ID-verified student.

You can still sign up for an ID verified Certificate of Achievement for this course. If you plan to complete the whole course, it is a great way to recognize your achievement. [Learn more about the verified Certificate of Achievement.](#)



Upgrade to Verified Track



HONOR CODE

## Making Sense of Climate Science Denial

UQx - Denial101x  
Ended - Jun 16, 2015

View Archived Course

Your final grade: **0%**. Grade required for a Certificate: **70%**.

HONOR CODE

## Introduction to the Music Business

BerkleeX - MB110x  
Ended - Jun 03, 2015

View Archived Course

Check out our recently launched courses and what's new in your favorite subjects

[Find New Courses](#)

## RECOMMENDED COURSES FOR YOU

IMPROVING YOUR  
PRESENTATION SKILLS

HARVARDX

SUBSCRIBE

SKETCHING AND DRAWING

MITx

SUBSCRIBE

FIXING YOUR ENGLISH  
ACCENT

OXFORDX

SUBSCRIBE

# Get in touch



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Product owner

laurent@openfun.fr

Slides available at

<https://github.com/regisb/openedx-conference-2015>