

REPENSER LES CAMPUS PAR ET POUR LES USAGERS

Hack
your campus



@agnes_crepet



QUI SUIS-JE?

MON PARCOURS PRO.



2001

MON PARCOURS PRO.



**INGÉNIEUR
DÉVELOPPEUR**

2001

MON PARCOURS PRO.



tessi
toujours une donnée d'avance



**INGÉNIEUR
DÉVELOPPEUR**

**ARCHITECTE LOGICIEL
CONSULTANTE**

2001

2004

MON PARCOURS PRO.



**INGÉNIEUR
DÉVELOPPEUR**

**ARCHITECTE LOGICIEL
CONSULTANTE**

ARCHITECTE LOGICIEL

2001

2004

2008

MON PARCOURS PRO.



**INGÉNIEUR
DÉVELOPEUR**

**ARCHITECTE LOGICIEL
CONSULTANTE**

ARCHITECTE LOGICIEL

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2004

2008

MON PARCOURS PRO.



**INGÉNIEUR
DÉVELOPPEUR**

**ARCHITECTE LOGICIEL
CONSULTANTE**

ARCHITECTE LOGICIEL

2001

2004

2008

2011-12

AFRIQUE





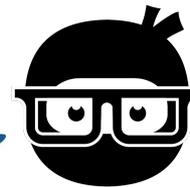
USA



Ikigai



MON PARCOURS PRO.



**INGÉNIEUR
DÉVELOPPEUR**

**ARCHITECTE LOGICIEL
CONSULTANTE**

ARCHITECTE LOGICIEL

**ENSEIGNANTE / DÉVELOPPEUSE /
TECH ACTIVIST**

2001

2004

2008

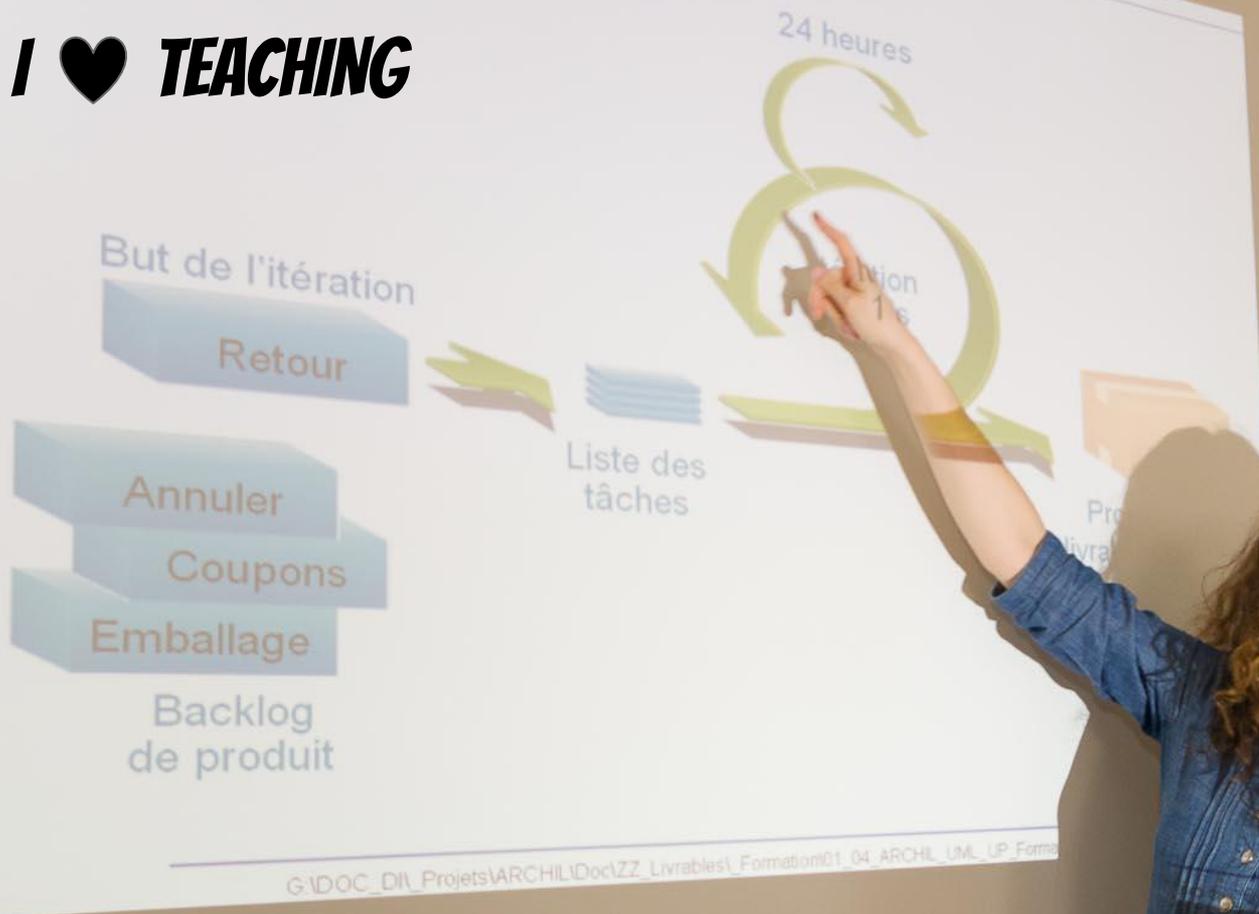
2011-12

2018

I ♥ PROGRAMMING



I ♥ TEACHING





TECH ACTIVISM



#MIXIT18

<https://mixitconf.org>

19 et 20 avril à Lyon



MIXTe9N
Born to code

Duchess France Women in Tech



ASSANDRA ANDROID
MOBILE SPARK SPEAKER JAVA JEN
CLOUD COMPUTING JAVASCRIPT ROLE MODELS DECOU
BERNATE TDD AGILE SOFTWARE CRAFTSWOMEN DOCKER BIG D

RESOLUTION N°1

ASSUMER SA POSTION DE /SLASHEUSE/

16%
DES ACTIFS

SONT
DES SLASHERS



77%

EXERCENT
LEUR 2 MÉTIER
DANS UN SECTEUR
DIFFÉRENT DE
LEUR ACTIVITÉ
PRINCIPALE



LES SLASHERS

21% des moins
de 30 ans exercent
plus d'une activité
professionnelle



« Il est fréquent d'entendre que les actifs de la génération X auront exercé plusieurs métiers durant leur vie professionnelle. La génération Y et les suivantes exerceront différentes activités simultanément et non plus successivement », explique Alain Bosetti

Source : salon SME



Agnès CREPET

Responsable du Pôle Ingénierie Pédagogique

Enseignante (informatique, méthodes agiles)

Direction des formations sous statut étudiant

04 77 42 01 40

agnes.crepet@mines-stetienne.fr

158 cours Fauriel - CS 62362

42023 Saint-Étienne Cedex 2

www.mines-stetienne.fr





QU'EST-CE QUI A CHANGÉ EN 15 ANS?



La créativité, nouveau credo des grandes écoles

Les écoles d'ingénieurs et de commerce s'efforcent de développer davantage la fibre créative de leurs étudiants, en misant notamment sur l'interdisciplinarité.

LE MONDE | 14.04.2016 à 10h40 • Mis à jour le 15.04.2016 à 18h02 |

Par Françoise Marmouyet

Abonnez vous à partir de 1 €

Réagir Ajouter

Partager (849)

Tweeter



Accueil » Connaître les grandes Ecoles et Universités » Actu des business schools

CRÉATIVITÉ : COMPÉTENCE PHARE DES INGÉNIEURS, COMMENT LA SUSCITER ?

Paru dans Journal des Grandes Ecoles & des Universités N° 65 - Février, Mars, Avril 2013

EconomieMatin

BUZZ

ECOQUICK

ECODIGEST

LES EXPERTS

CCC

CULTURE IG

TELEPHONE

Séminaire

NOUS RECHERCHONS

DES BAC, BAC PRO, BTS

INNOVATION : DES INGÉNIEURS CULTIVÉS POUR DES CERVEAUX CRÉATIFS

par BRUNO GOUBET | 18/09/2013 | 6095 | 1

Premium avec Multipass



LES EXPERTS

COMMENT SUSCITER LA CRÉATIVITÉ, LA POSSIBILITÉ DE PENSER EN DEHORS DU CADRE?





IDÉE N°1 : FAVORISER LES PÉDAGOGIES ACTIVES



**Tu me dis, j'oublie
Tu m'enseignes, je me souviens
Tu m'impliques, j'apprends.**

Benjamin Franklin

- 88. Working with different languages / interacting in 3
- 89. Interactive photography wall
- 90. Live connection (clothing Zine Making) say where you are with the creative spaces
- 91. Library multimedia pack to learn news & info with the community
- 92. Recording station in the library
- 93. Translating materials (Vlog-style)
- 94. Virtually experiencing diff cultures
- 95. Skills-based online profiles (social)
- 96. Brain on "lead-drive"
- 97. Thought-bubble spaces
- 98. People jogging in Google Glass
- 99. Innovative/new type of the month
- 100. The wall for social issues (locally & globally)
- 101. Productivity measuring system/device & health
- 102. ~~Instant~~ Instant idea printing
- 103. Space for mind mapping
- 104. System to prioritise tasks based on real life projects (rewards)
- 105. → to reality check/rule the outside
- 106. Redesigning cities external world → take it into real life.
- 107. Magnetic transportation to the desired task/location
- 108. Maps/narrative come to you
- 109. → to know the city better/important
- 110. What you can rip off → shows the city better/important

Imagine future of
 co-creating and collaborating new ideas
 across disciplines, industries and countries

- 111. Structures & services are...
- 112. Search engine to find...
- 113. Platform where citizens...
- 114. → community...
- 115. Space where...
- 116. Open space / area to...
- 117. Space to test ideas /...
- 118. low-cost always open...
- 119. → community co...
- 120. Tools for next...
- 121. →...
- 122. Set-up...
- 123. Open...
- 124. Smart...
- 125. Things...
- 126. Smart...

- 2. Long opening hours / 24/7 learning centre
- 3. Outdoor studying space
- 4. Highly connected learning op.
- 5. Space that can adapt to different situations
- 6. Durable resources
- 7. Smart furniture for better learning
- 8. Open to marshalling area
- 9. Big communal workbenches
- 10. → to bring together multi-disciplines
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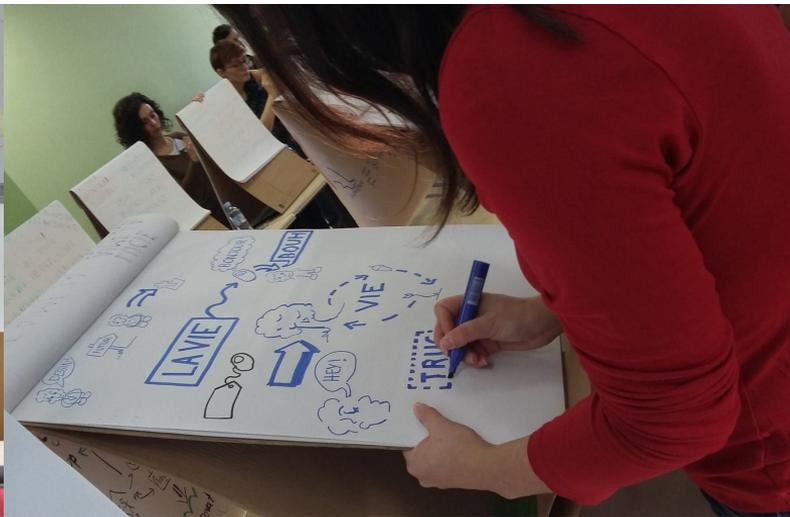
- Substrate internet garden
 - Fun health & wellbeing
 - Transition of the internet
 - Access to resources
 - Material solution for better use of ideas
 - Solution to work in a community
 - find info easier
 - Fuel system
 - Smart buildings
 - Multi-generational stuff
 - Intergenerational
 - Multicultural stuff
 - Engaging with people through art design
 - Problem solving tools
 - Study space
 - Smart devices
 - Available resources
 - Co-creation platform
 - Multicultural exchange
 - Interactive systems
 - Knowledge & entertainment
 - Guided recommendation
 - Idea restriction
 - Reprogramming creativity
 - Fine management
 - Teacher & student
 - Sharing & co-creation ideas
 - Interaction with the city
 - Social interaction
 - Relevance ideas
- ① Interaction inside
- you to reorganise area
 - and space for know-how sharing
 - good recommendation
 - not hard (?)



HACKATHONS, PÉDAGOGIE PAR PROJET



dynamo days



50% DE NOTRE CURRICULUM ICM EN MODE PROJET/WORKSHOP

LE MODULE PÉDAGOGIQUE LE PLUS IMPORTANT DE LA PREMIÈRE ANNÉE DU CURSUS ICM : PROJET CITOYEN

WORKSHOP CREATIVITÉ INTERCULTURALITÉ

Esprits Cartésiens

Antoine Louisgrand / Compte rendu de l'expérience artistique -INTERCULTURALITÉ- à l'École des Mines de St-Étienne . Janvier 2017



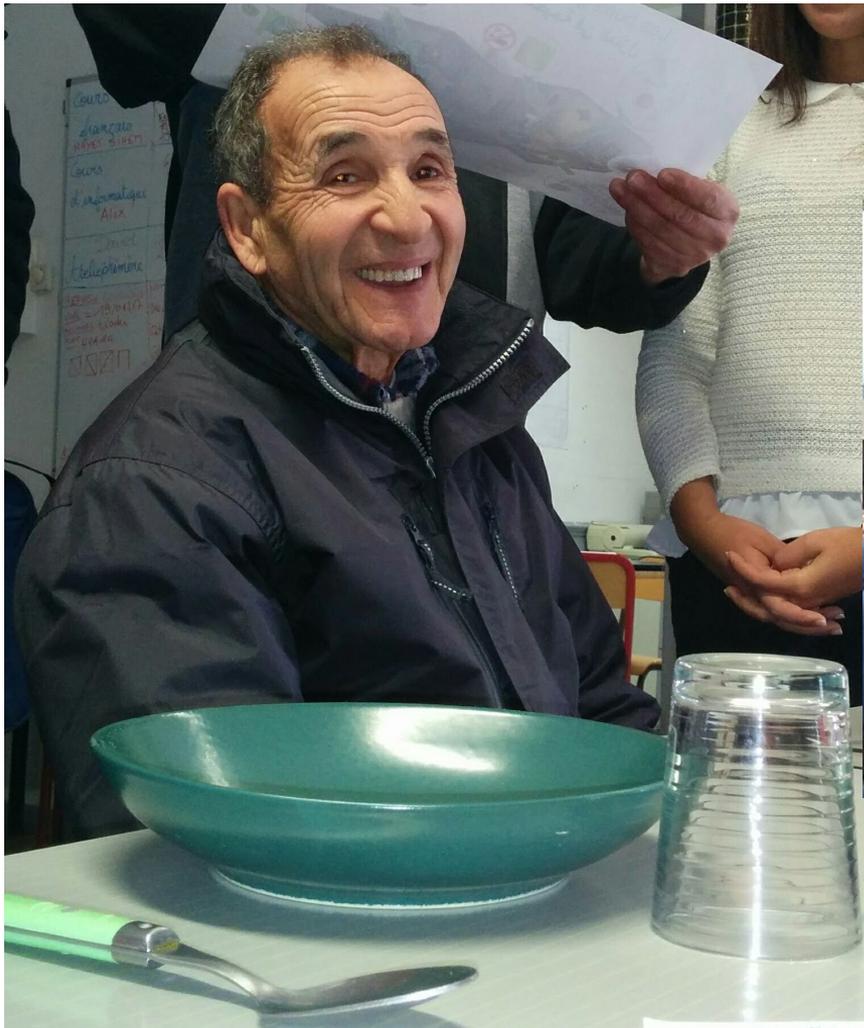
SERIOUS GAMES



GetKanban et Lego4Scrum

IDÉE N°2: SORTIR DES CAMPUS!

Workshops interculturel



+ DE PROJETS DU CURSUS EN LIEN AVEC LE TERRITOIRE (ASSOCIATIF, ENTREPRENEURIAL, ...)



IDÉE N°3: CO-CONSTRUIRE!

EVALUATION DES ENSEIGNEMENTS

***UN COMITÉ PÉDAGOGIQUE AVEC
ENSEIGNANTS ET ÉLÈVES ÉLUS***

***DES COURS QUI IMPLIQUENT DU
PERSONNEL ADMINISTRATIF***



***SI LES PÉDAGOGIES
CHANGENT...***

***LES ESPACES DOIVENT
S'ADAPTER!***

REPENSER LES CAMPUS

PAR LES USAGERS

POUR LES USAGERS

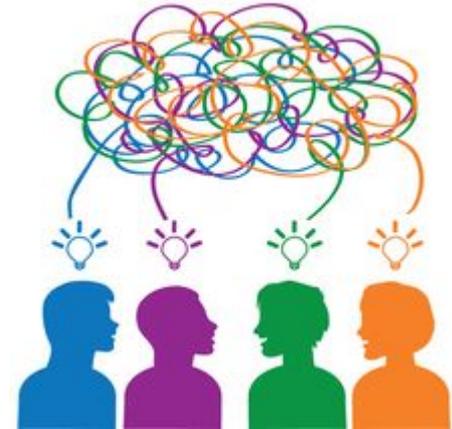
INSPIRATION DE LA MÉTHODE DESIGN THINKING

DESIGN THINKING?

MANAGEMENT DE L'INNOVATION

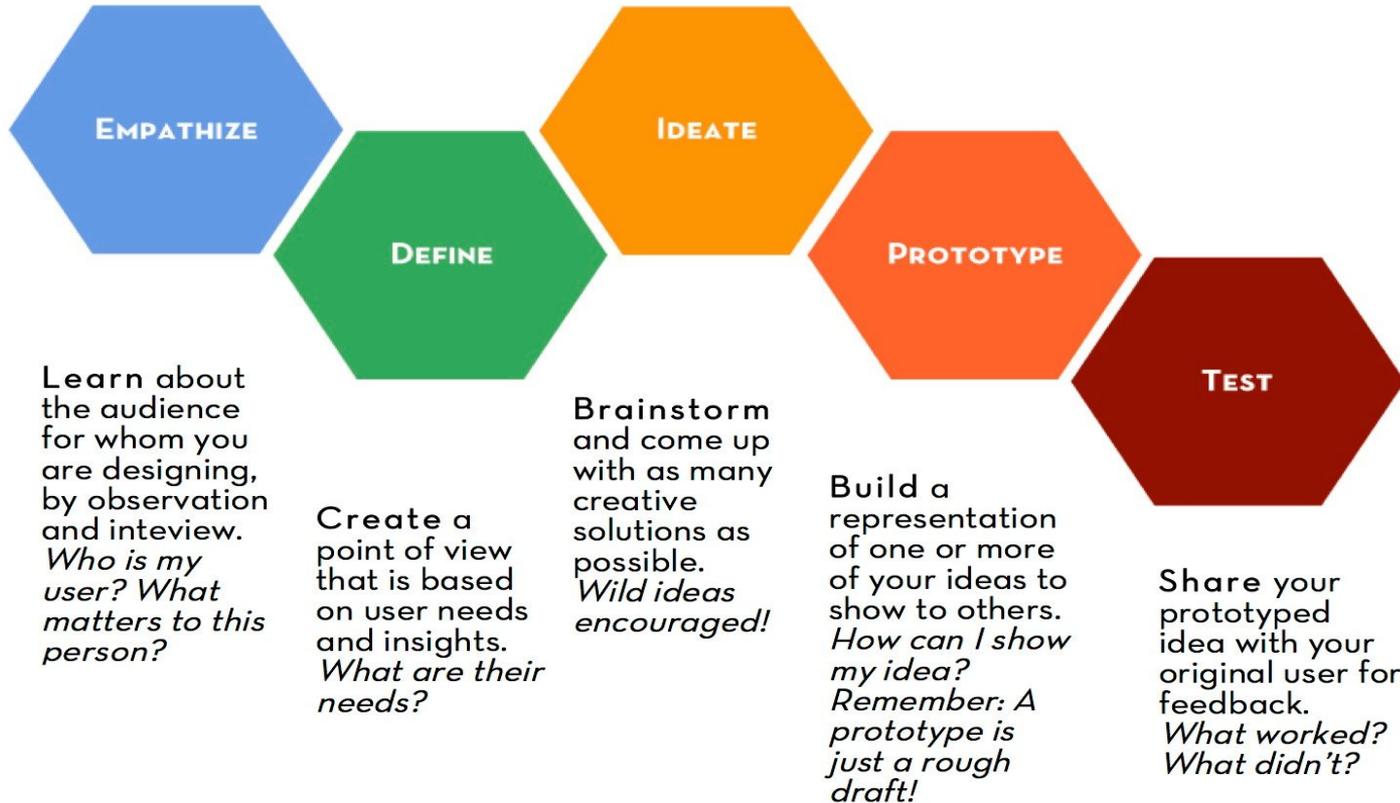
CO-CRÉATIVITÉ

UTILISATEUR FINAL AU CENTRE DU PROCESSUS



LA D.SCHOOL DE L'UNIVERSITÉ STANFORD DÉFINIT CINQ ÉTAPES

We are all DESIGNERS!



DONC, À NOUS!

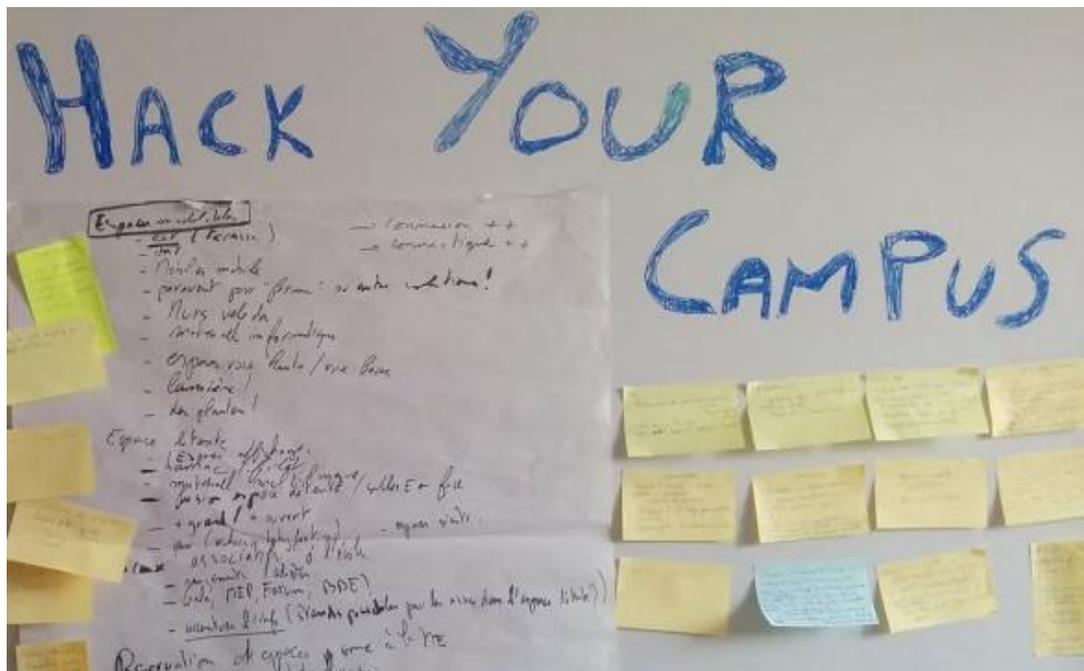
LANÇONS DES WORKSHOPS POUR REPENSER NOS ESPACES, AVEC ÉTUDIANTS, PERMANENTS DE NOTRE ÉCOLE

WORKSHOP

Hack 
your campus

**SANS CONTRAINTE » (LES
PARTICIPANTS CHOISSENT LEURS
ESPACES SUR LE CAMPUS)**

15 PARTICIPANTS, 3 JOURS



Hack
your campus



VERBATIM



"NOUS N'AVONS MÊME PAS UN MICRO-ONDE POUR DÉJEUNER"

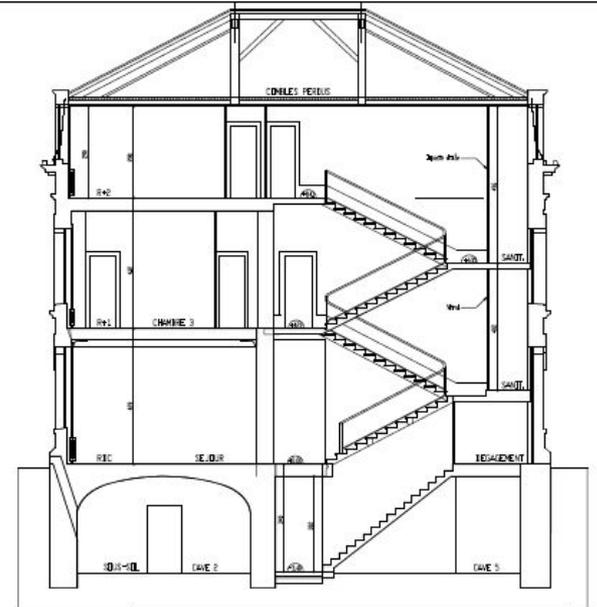
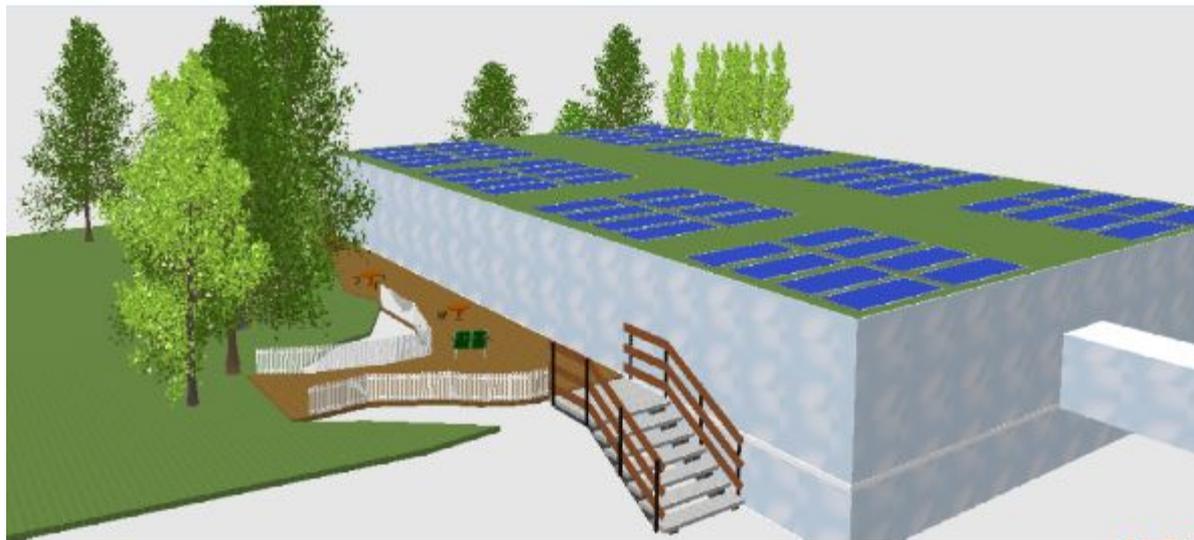
"PAS DE FACILITÉ POUR RÉSERVER DES SALLES SUR NOS DEMI-JOURNÉES DE TRAVAIL PERSONNEL"

"ON AIMERAIT ACCÉDER AU PARC"

"ON NE SENT PAS VRAIMENT LES BIENVENUS SUR LE CAMPUS"

"ON AIMERAIT AVOIR DES ESPACES DE CONVIVIALITÉ PLUS NOMBREUX, À PROXIMITÉ D'ESPACES DE TRAVAIL VOIX HAUTE"

"ON AIMERAIT AVOIR PLUS DE PLACES À LA BIBLIOTHÈQUE POUR TRAVAILLER EN MODE VOIX BASSE, ET POUVOIR Y RESTER TOUS LES JOURS PLUS TARD"



PLAN NATURELLE CHIMBRIE REC MAISON DE SAINT ETIENNE 14/20



LA MAISON DU DIRECTEUR HACKÉE!

Hack
your campus

ET ENSUITE?

D'AUTRES SÉANCES ONT EU LIEU, POUR IMPLIQUER PLUS DE PERSONNES

DES PRIORITÉS APPARAISSENT :

- ***CHANGER LES ESPACES DE CONVIVIALITÉ***
- ***ADAPTER LES SALLES DE COURS, LES RENDRE PLUS MODULABLES***
- ***REPENSER LA BIBLIOTHÈQUE → REMIXE TA BIBLIOTHÈQUE***

INSPIRATION DES WORKSHOPS DE TYPE "REMIXE" : MUSEOMIX, EDUMIX

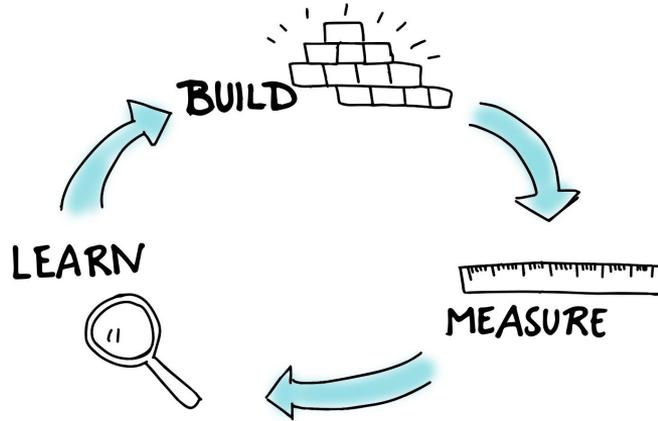
MUSEOMIX

PEOPLE MAKE MUSEUMS



MODE ITÉRATIF

TESTER, ANALYSER, VALIDER... ET RECOMMENCER...



REMIXE LA BIBLIOTHÈQUE

UN MUR D'IDÉES PENDANT 3 MOIS

3 SÉANCES DE CRÉATIVITÉ AVEC DES PERMANENTES, DES ÉLÈVES, UNE BIBLIOTHÉCAIRE EXTERIEURE



VERS DES (TIERS) LIEUX D'EXPÉRIMENTATION





NOS FABLABS



ET ENFIN?

PLUSIEURS EXPÉRIMENTATIONS, UNE NOTE PRÉSENTÉE IL Y A 9 MOIS EN COMITÉ DE DIRECTION

UN APPEL D'OFFRE DESIGNER LANCÉ IL Y A UN MOIS

ON CONTINUE LES EXPÉRIMENTATIONS, EN MODE FRUGAL !



PROJET CAMPUS SAINT ETIENNE Repenser les espaces Par et Pour les Usagers Juillet 2017

Auteurs : A.CREPET, K.RICHOU, H.PANGOT, M. ROELENS, L. RICHARD

Objectifs du projet Campus

Genèse et contexte du projet

Méthodes de travail et inspirations pour repenser les espaces

Une démarche globale École, Par et Pour les usagers
Un travail en lien avec des partenaires, inspirations et influences

Etude qualitative

Learning Lab :

- A/ Très petites salles (3-10 places)
- B/ Petites salles (11-19 places)
- C/ Salles de capacité moyenne (40 places)
- D/ Espaces de "grande capacité"
- E/ Espaces de type "Bibliothèque" ou plateaux

Living Lab

Etude quantitative et présentation des hypothèses

Contraintes liées à la maquette pédagogique ICM

Définition des hypothèses

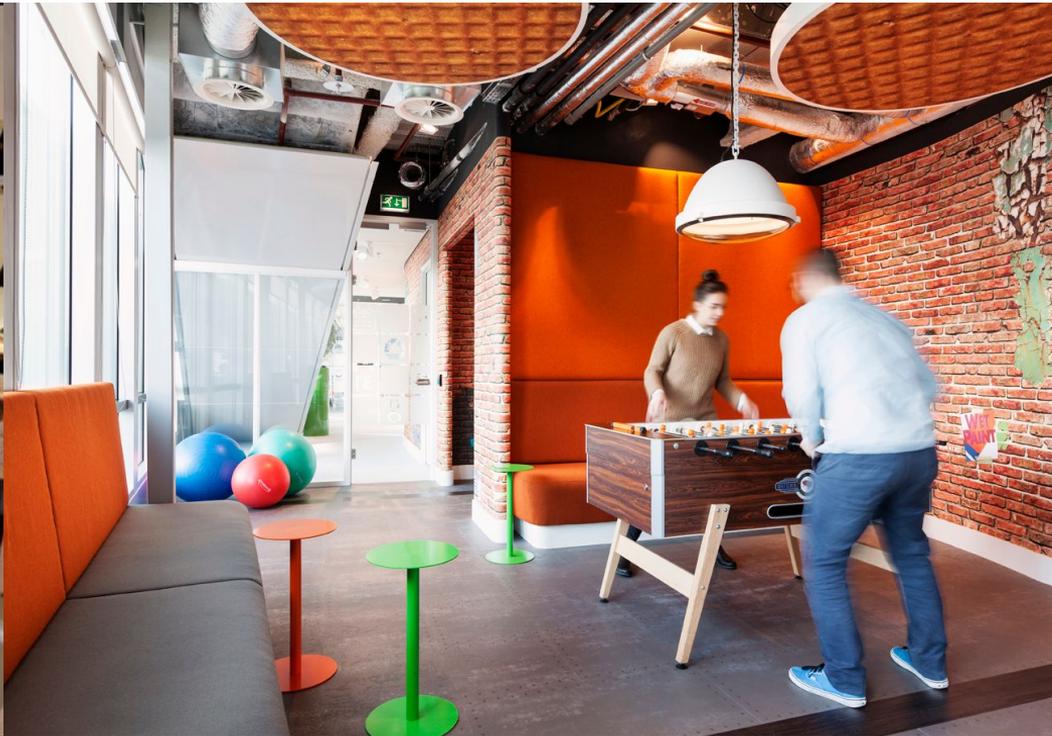
Evaluation des besoins selon les 3 hypothèses

Analyse

Manques identifiés

Conclusion

OBJECTIF : RÉAPPROPRIATION DES CAMPUS PAR LES ÉLÈVES



D'AUTRES EXEMPLES



EDUMIX

11-12-13

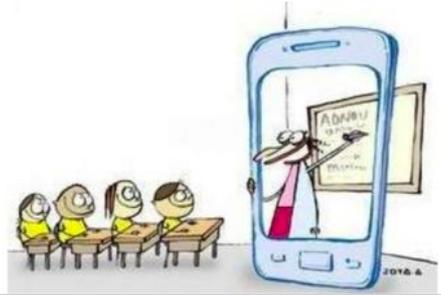
OCTOBRE 2017

À TÉLÉCOM SAINT-ÉTIENNE

7 DÉFIS POUR RENOUVELER UNE ÉCOLE D'INGÉNIEUR



et si la société et la ville devenaient un terrain de jeu pour école ?



la pédagogie à l'heure numérique



connect or not connect ?



cassons les rythmes



Faire de l'école un organisme vivant



Changer les espaces pour changer les usages



chouette une évaluation !

LEARNING LABS : UN RÉSEAU DE LIEUX ET D'EXPERTISES



65

institutions



Formation
professionnelle
& entreprises



International  UNIVERSITÉ LAVAL  UCL Université catholique de Louvain  Ohalo College

Secondaire  GRAND LYON  ESC Lyon  ESC Lille



journée de l'innovation 30 mars 2016 : Prix de l'établissement innovant



Qu'est-ce qu'un LearningLab ?

Prenez connaissance de la charte du LearningLab Network

[Read More »](#)



Les pré-requis d'un LearningLab

Découvrez ce qui compose un Learning Lab

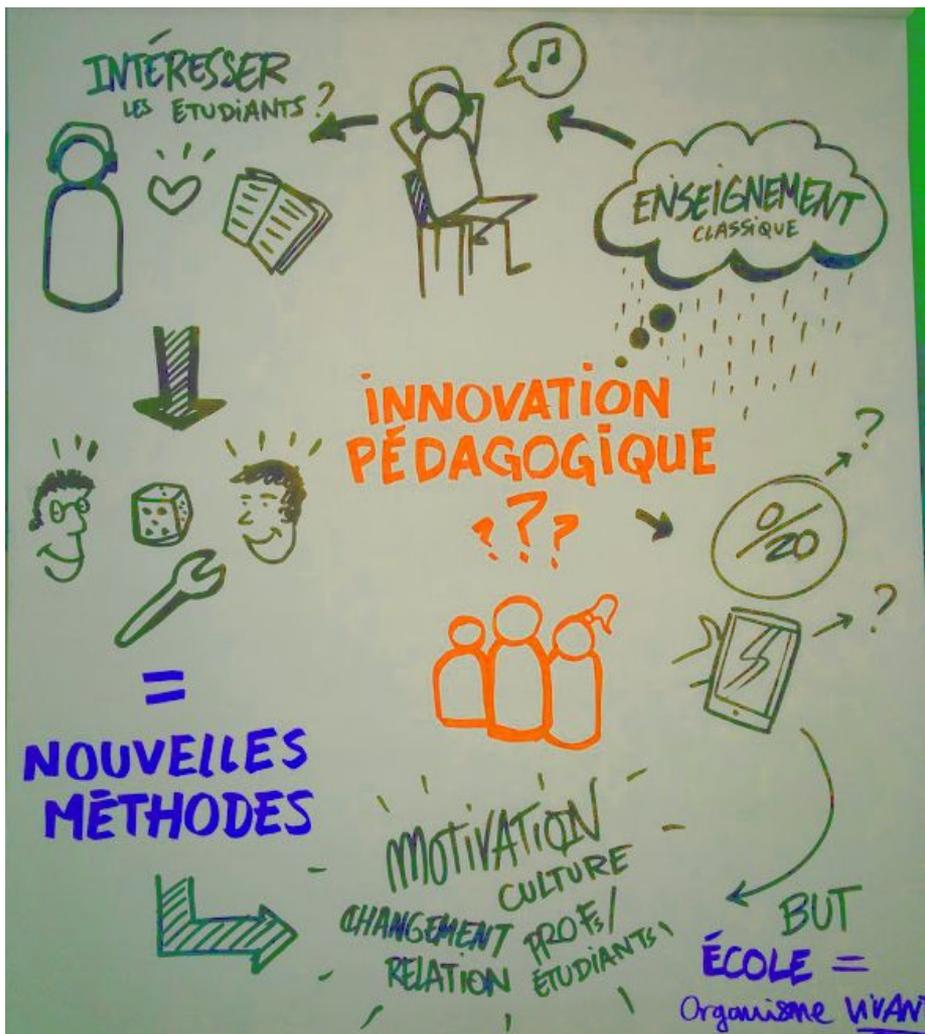
[Read More »](#)



Adhérer au réseau

Comment prendre part au réseau

[Read More »](#)



TO SUM UP...

S'INSPIRER

**PARTICIPER À DES ÉVÉNEMENTS DE TYPE
"REMIXE"**

EN ORGANISER 1 DANS SON ÉTABLISSEMENT!