An innovative MOOC for in-service teacher education in a French speaking context

SITE Conference
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A Mooc for in-service teachers

• Beyond xMooc/cMooc
• Helping teachers adopting new attitudes towards technology
• Showing an overview on teaching and learning with technology
• Giving the opportunity to conceive initiative with digital technology

=> The eFAN series
The eFAN series

Enseigner et Former Avec le Numérique
Teaching and Learning with Digital Technology

eFAN1 : 7 weeks, April 2014, 11500 registrants
eFAN2 : 4 weeks, March 2015 , 5500 registrants

“Brand” declination :
- Foreign language (2014, 2016, 4300 registrants),
- Adult educators (2014, 3600),
- Mathematics (2014, 2016, 3100),
- Information and Media Education (2015, 2016, 6000)
- Teaching and learning in higher education (march 2016, 7400)
A unique design

• Collective design and distributed implementation with academics from all over the country (1 in Québec)
• Inter Mooc management between the eFAN series
• Group registration recommended for participants to support co-learning and time flexibility
• Complementary resource for higher education institutions adapted to local context and complementary certifications
• Involve existing training networks
• Research : to have a better understanding of the process being involved
Specific pedagogical aspects

- Learners do not have to follow a linear track
- Massive collective production
- Involvement in projects profitable immediately in their day-to-day work
- Possibility to relay the course and use it in face-to-face training
Main Activities

- Each week:
  - 3 x 10 min videos, Quizz, complementary documents
  - Enigmas and shorts tutorials
- Deposit and review of team project for teaching with ICT
- Description of a living assessment situation with ICT
- Peer assessment
Collaborative construction

• Instruments gallery

• Assessment situation

• Educational situations gallery
Gallery of Educational Situations
What is this instrument?

By using TinEye or Google image (perhaps Google translation), you should quickly find items.

But then the questions are:
To what purpose such an instrument have been designed? What can it be used for?
Enigma

This week we would like you to find a historical figure whom teacher’s is shown in this image.

Who is this illustrious student?
Projects

• Describe a teaching/learning or training project with ICT
• Alone or in groups
• Actual experience or a pure invention
• Talk on the forum first

=> How do you plan to implement your proposed project?
=> Why do you want to realize the project in such a way?
Research on Mooc learners

1 - Learners sociology (Kolowich, 2012)

2 - Perceptions and motivations (Mackness & al. 2010)

3 - Activities (Kizilcec & al. 2013)

4 - Success factors (Breslow et al., 2013)
Questions

• Who are the learners?

• Under what conditions do they follow the Mooc?

• Why do they enroll in the Mooc?

• What did they achieve during the course?
## Evolution of participation (eFAN1 and eFAN2)

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eFAN1 Data

10 816 inscrits

2635 réponses au questionnaire

983 dépôts

191 évaluations par les pairs

2494 inscrits sur Moodle

Traces de 8459 individus
Automatic analysis of an open ended question
eFAN2: main motivation

• "I am a teacher in secondary school. I have to develop my teaching by integrating digital tools. This MOOC is the opportunity to learn how to do"

• "To better integrate digital tools in my teaching practice of science (biology and geology)"

• "This MOOC is a first step for me towards this way of teaching."

• "Finding answers to questions about teaching practices."

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deuxième axe 29 % de la variance

premier axe 35 % de la variance

homme

compétence

enseigner

améliorer
distance

enseignant

cadre

nouvelles

femme

mooc

mooc

domaine

master ou +

pratique

professionnel

fais

pas etud ead

age < 43 ans

fais

etud ead

age > 43 ans

etud ead

découvrir

interet

nouvelles

femme

apprendre

pedagogie

formaliser

technologie

souhaite

informatique

formateur

temps

outil

méthode

licence ou -

eleve

outil

cour

utilisation

souhaiter

pedagogie

utiliser
Discussion

Participants feedback at the end of the course are about:

• the courses *i.e.* what is transmitted
• exchange with other "*it's very energizing to share collective reflection*"
• their Mooc experience
Perspective

- Exploit textual data of the forum
- Tracking logs
- A Unique database

=> Perform machine learning?
References


Merci

http://tinyurl.com/moocefsup (in French)

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