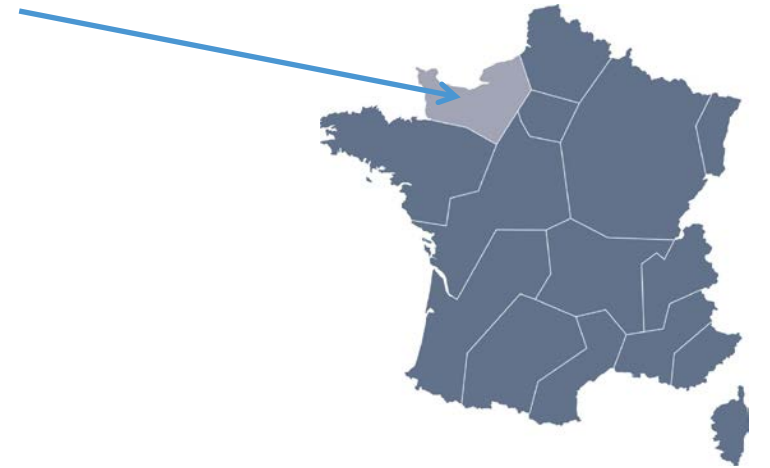


Experiments of home proctoring exams at University of Caen



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Context

- Online proctoring is not very often proposed in French universities (used more in MOOCs)
- Students enrolled in e-learning programs often choose to come to one exam session only when two sessions are offered in France
- E-learning Students do not understand any longer that they still have to travel to the institutional places in universities (or partners) in order to be evaluated
- New ways to undertake exams as a strategic goal for e-learning attractiveness
 - Especially for Long Life Learning



The experiments of the university of Caen

- Stakeholders
 - Unicaen
 - ProctorU
 - FIED : a French association of 38 higher education institutions (mainly French universities) involved in online and distance learning
 - ANSTIA : a French association of multimedia departments of universities.
 - CNIL : French national institution for personal data protection and individual liberties.
 - Mission for pedagogy and digital technology, French ministry of national education, higher education and research.



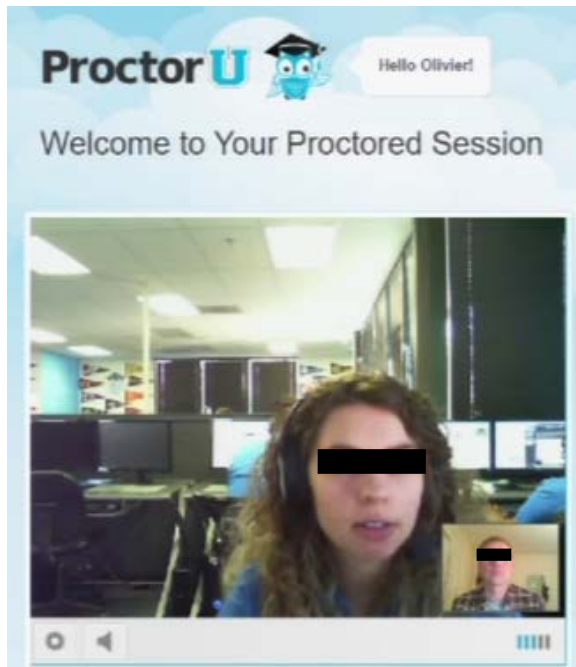
The experiments

- Year 1 (2015-2016) : 55 students in a digital skills certification. Blended learning and home proctoring proposed in addition to classical exams
- Year 2 (2016-2017) : 50 students in a professional Master degree in the area of health with 2 or 3 exams for each. Full distance learning with students all over the world. Home proctoring in place of classical exams
 - More needs
 - More stress



The proctoring

- How does it work ?
 - The students create their accounts on the ProctorU website
 - They test their personal technical environments (computer, webcam, internet connection ...)
 - They connect to the ProctorU website just before the exam and install the LogMeIn applet
 - They connect to the Unicaen LMS
 - A proctor takes the student in charge
 - Inspects the home place
 - Verifies the applet and the student computer desktop and open applications
 - Gives access to the examination test
 - Runs the audio/video proctoring



Some results of the last post-exam survey

- 50 students, 148 exams :
 - Success rate : the same as classical exams
 - No problems to connect to the ProctorU website : 84%
 - Lack of a teacher during the exam : not a problem for 92%
 - Students feedback about cheat ability : 70% felt proctored as effectively as in classical exams (and even more)



Some results of the last post-exam survey

- The overall students feelings are very positive :
 - Only 2% felt the exam as an important intrusion into their private life.
 - Almost 80% would agree to undertake remote exam again and would advise a friend to do the same.
 - At least, 90% of students have very good feedbacks about their experiment. Distance learning students prefer to assume the required technical features at their home than having to travel (and pay the travel expenses) to institutional places.
 - being taken in charge by a **real human** is very important



Some problems

- Technical problems : 7 exams (4,7%) with technical difficulties (malfunctioning sound or webcam) or interface or protocol misunderstandings.
- Language problems : many proctors were not French speakers and had to interact with test takers via textual chat (in order to use automatic translation) ...



Work still in progress ...

- Online proctoring is very good solution for distance learning
 - But it needs a very closed coaching of students
- We work on the legacy of proctoring (CNIL, Ministry)
- At least, we aim to be able to talk about « what kind of evaluations for what kind of learning ? »

