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A Sakai-based positioning tool for first-year students

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Summary

- Who are we?
- One essential observation
- Our solution
- And next?







































Our University



- ULCO is a very young and small university: 20 years old, about 8000 students and 1000 academics/staff members
- A distributed university between 4 cities:
 Boulogne sur Mer, Calais, Dunkerque and Saint-Omer
- ULCO covers the four broad fields of teaching and research except Health Sciences









Who are we?

- IPM (Informatique Pédagogique et Multimedia = Teaching IT and Multimedia) members
- It's a new department of ULCO with the charge of Sakai, uPortal, OAE, PÉDAGOGIQUE MULTIMÉDIA training of users, ...





INFORMATIQUE

A statement from the French Ministry of Higher Education

- 50% of students fails in the first year of the licence*,
- Only 40% of students gets their license* (in 3 or 4 years)
- 21% of students leaves higher education without a diploma (average of 31% for all OECD countries)

=>This is not enough!

*French licence = Bachelor's degree







A success plan to licence (bachelor's degree)

From the French Ministry of Higher Education :

- 730 M€ between 2008/2012
- New plan since 2013 : job creation of teacher, lecturer and engineer to develop new working methods and to support tutoring.









And at the ULCO?

- ULCO: Good results for first-year university level but not enough
- Regional context and strategy of proximity: 50% of students have scholarships
- ⇒ A project for student success

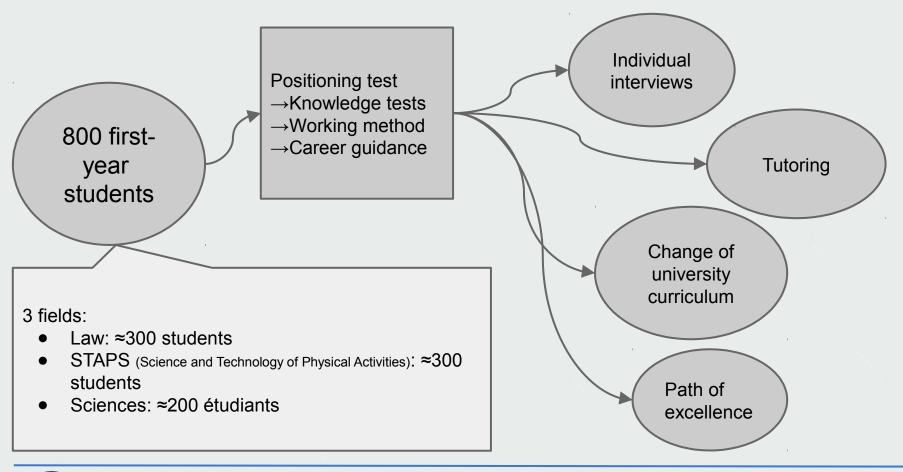
| Passage en 2e année de // : le classement des universités 2014 Le devenir en 2012-2013 des primo-entrants en 1e et ablissement par établissement. Poursuite en L2 (1) (%) Redoublement en L1 (2) (%) Change d'orientation (3) (%) | | | | | | | | | | | |
|---|---------------------------------|-------------------------------|-----------------------------------|----------|--|--|--|--|--|--|--|
| Le devenir en 2012-2013 des primo-entrants en 1e. en 2011-2012, établissement par établissement. | | | | | | | | | | | |
| Etablissements | Poursuite en L2 (1) (%) ▲ | Redoublement en L1 (2) (%) | Change d'orientatie (3) (%) | lant. fr | | | | | | | |
| UPMC | 60,6 | 18,7 | 2,2 | | | | | | | | |
| ANGERS | 57 | 19,2 | 1,5 | 22,2 | | | | | | | |
| LYON 2 | 55,9 | 16,5 | 1,8 | 25,8 | | | | | | | |
| BORDEAUX 2 | 54,4 | 20,5 | 1,5 | 23,6 | | | | | | | |
| CUFR CHAMPOLLION | 54,4 | 15,1 | 2,7 | 27,8 | | | | | | | |
| CORSE | 50,6 | 19,6 | 5 | 24,8 | | | | | | | |
| MARNE- LA-VALLEE | 50,5 | 17,3 | 2,9 | 29,3 | | | | | | | |
| LITTORAL CÔTE D'OPALE | 49,8 | 18,7 | 3,1 | 28,5 | | | | | | | |
| POTTERS | 49,7 | 21,8 | 2,2 | 26,3 | | | | | | | |
| PARIS 11 | 48,9 | 27 | 2,4 | 21,8 | | | | | | | |







The project: flow

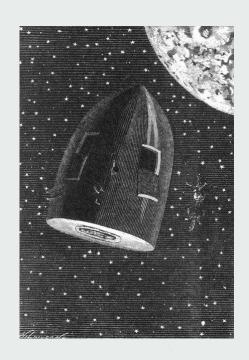








The Challenge...



One-shot test:

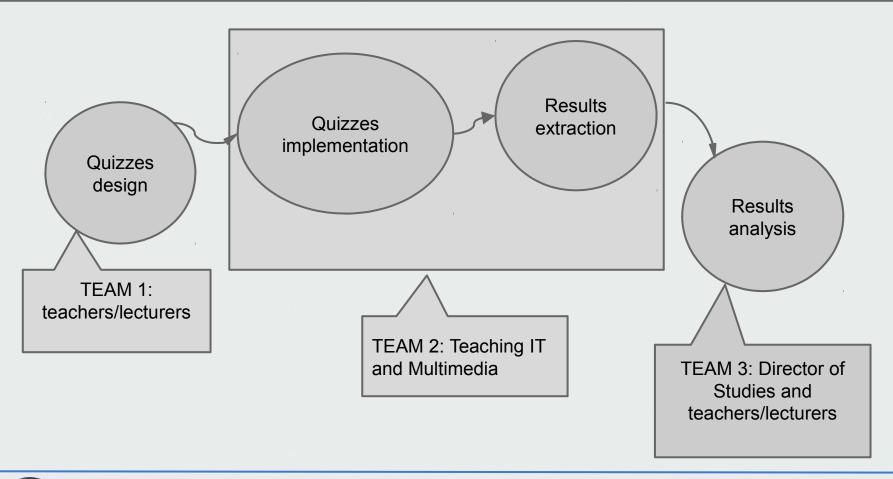
- 3 cities and several rooms for each,
- 800 students = 800 accounts to be created + generic accounts for recent enrollments
- Short window to deliver the results:
 less than 15 days







The project: 3 teams





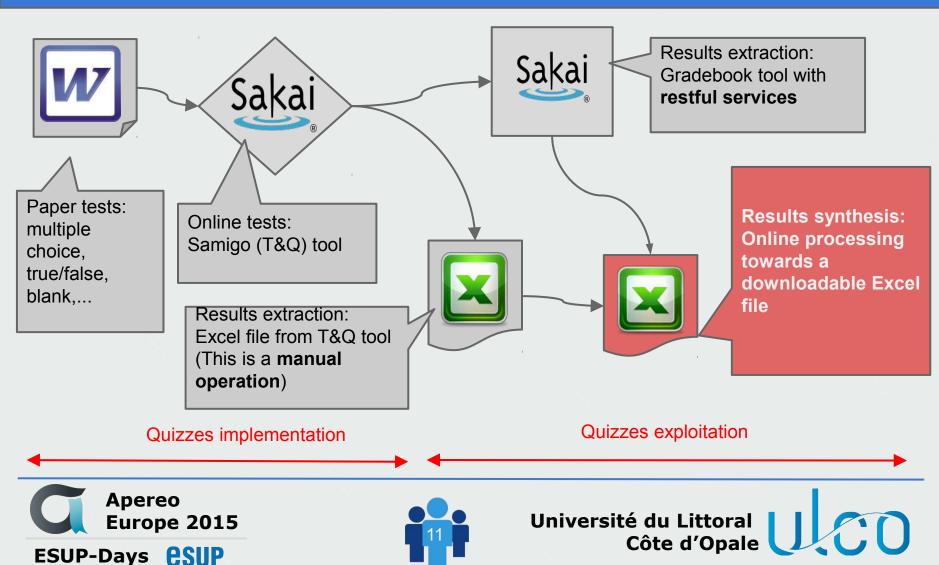




Quizzes implementation and exploitation

portail

#19



Why Sakai?

- 6 years of experience using Sakai
- Multi-server capabilities
- Features of T&Q, GradeBook and Lesson tools
- Restful functionality to extract results from the GradeBook tool
- Account creation easy: direct importation of CSV file (since Sakai 10)

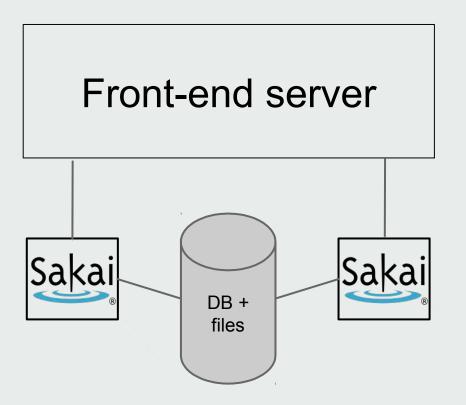








Development of the infrastructure



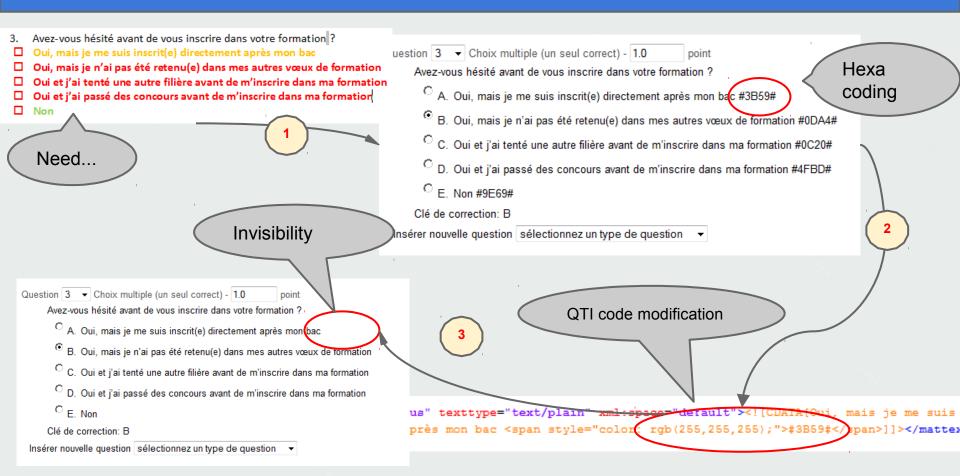
- One front-end server
- Two sakai servers
- One database (MySQL)
- Until 100 simultaneous connections during the test







Color coding of response

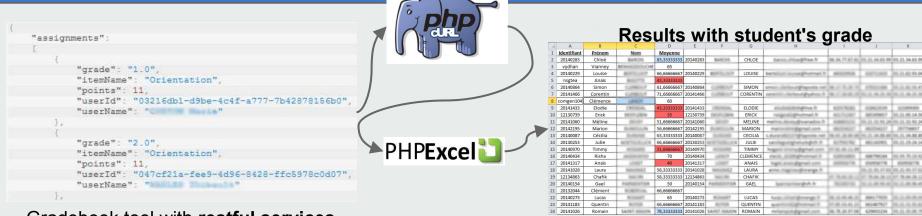








Results extraction



Gradebook tool with restful services



Parsing the hex code of the Excel file from T&Q tool

| Res | ults | with | n st | tud | lent | is ca | itego | rise | d by | CO | or |
|-----|------|------|------|-----|------|-------|-------|------|------|----|----|
| Δ. | R | C | D F | F | G H | 1 | | K | | M | N. |

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|----|-------------|----------|---|---------|-------|--------|------|----------|-------------|----------|--------------------------------|-----------------------|------------------|--------------------|
| 1 | Identifiant | Prénom | Nom | Couleur | Rouge | Orange | Vert | | | | | | | |
| 2 | 20140283 | Chloé | BHROIS | | | 8 | 24 | 20140283 | BARDIS | CHLOE | barots.chipaghtee.fr | 06.34.77.87.83 | 03.21.34.63.99 | 03.25.36.63.39 |
| 3 | vydhan | Vianney | вечнорочоне | | | 14 | 18 | | | | | | | |
| 4 | 20140229 | Louise | BUTTOLOGY | | | 30 | 2 | 20140229 | MOTOLOGY | LOUISE | berteloot, incregificatmeil.fr | MINISTRA | 810753419 | \$1,25,60 No.04 |
| 5 | nsgtea | Anais | BISCITTE | | | 24 | 6 | | | | | | | |
| 6 | 20141466 | Corentin | COMBONT | | | 28 | 4 | 20141466 | CURRENT | CORENTIN | corentin.clarbout@yahoo.fr | 10.00.00.00 | 10.15.W-25.W | 93-25,86-25.00 |
| 7 | 20140864 | Simon | CURROVY | | | 32 | | 20140864 | CURROUT | SIMON | simon clerbout@laposte.net | 98-17.75-20.79 | 670121384 | 99.25.80 III-47 |
| 8 | comgen104 | Clémence | 10000 | | -4 | 26 | | | | | | | | |
| 9 | 20141433 | Elodie | CROSCORS | | | 28 | 4 | 20141433 | CROSON. | ELODIE | elodie62630gPive fr | 421070000 | 618423179 | spannings |
| 10 | 12130739 | Erick | DESTRUMENT | | | 22 | 4 | 12130739 | DESTUBBIN | ERICK | negrol2@hotmail.fr | 800/700967 | 6011079657 | 10.11.05.04.30 |
| 11 | 20141060 | Méline | BRUDT | | | 30 | | 20141060 | Stores | MELINE | meline devey@wanadoo.fr | #10000000000 | 255.25.32.52.24 | 95.21.10.70.24 |
| 12 | 20142195 | Marion | PARTICIPATE AND ADDRESS OF THE | | | 24 | 8 | 20142195 | DURENIUM | MARION | manuscins@gmail.com | 862504027 | 862754027 | 207798657 |
| 13 | 20140087 | Cécilia | Dollares | | 2 | 26 | 4 | 20140087 | SURWIND | CECILIA | c.dureniti();17gHaposte.net | (96, 41), 28, 607-090 | 03.25, M-89-80 | (0.2, 14, 86, 86) |
| 14 | 20130253 | Julie | SOUTHWARE | | | 10 | 22 | 20130253 | GOT SHELLKX | JULIE | carolingue/igheluck@ich.lb | 627592762 | \$81340005 | 25.25,25.28,14 |
| 15 | 20140970 | Timmy | MODUME | | | 32 | | 20140970 | MOSARD | TIMMY | hogani immy@gmai.com | SE S1.45.11.09 | | |
| 16 | 20140434 | Risha | pedication | | | 30 | 2 | 20140434 | LARKOY | CLEMENCE | clecis_SCSSS@Notinasi.li | 525914891 | 6867961304 | (0.00, 0.00, 0.00) |
| 17 | 20141317 | Anais | 10967 | | | 20 | 10 | 20141317 | NORSET. | ANAIS | logici.orong/gmail.com | 600906778 | 450904779 | 400906778 |
| 18 | 20141028 | Laura | NAME OF TAXABLE PARTY. | | | 22 | 10 | 20141028 | MAGNITZ | LAURA | ame mignes@orange.fr | | (05.23,86.17.00) | (0.25,85,17.62) |
| 19 | 12134863 | Chafik | Mac Office. | | | 28 | 4 | 12134863 | NACOR | CHAFIK | | (07.79.4A.25.12) | 97.78.66.(S-12) | (07.79.64.28.12 |
| 20 | 20140154 | Gael | PROPERTY | | | 18 | 14 | 20140154 | PARTICIPATE | GAEL | spannentierghth fr | 762360136 | (0.25,85.90.40) | 55.0,85.50.40 |
| 21 | 20132044 | Clément | MOREOTON, | | | 24 | 8 | | | | | | | |
| 22 | 20140273 | Lucas | ROSSET | | | 20 | 12 | 20140273 | Accessor | LUCAS | lucas, rohanghorange, fr | 06.10.45.46.25 | 6840,7700X | 01.01.00.00.00 |
| 23 | 20141183 | Quentin | BOTTON | | | 24 | 6 | 20141183 | SCHOOL | QUENTIN | quentrolighornal.h | 27.85.51.45.55 | 865467507 | 393,25,55,55,82 |
| 24 | 20141026 | Romain | SHOW! SHOWN | | | 28 | 2 | 20141026 | SARE ISSUEN | ROMAIN | m/tempolighymail.com | 06.79.20.97.09 | 629655234 | 03.21.15.00.79 |







And next?

- New fields: biology, Economics and Management Sciences, ...
- A solution to replace Excel file extraction by an automatic process?
- a LTI solution to enable immediate consultation of results.
- Compare the quiz results with those obtained at the end of the year.





