Web 2.0 tools in UEM:
opportunities for the improvement of the teaching and learning process

DETA CONFERENCE
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About Mozambique and UEM

- Literacy rate: 47,8% (63,5% men; 32,7% women)
- Higher Education Institutions: 38
- Mobile phones: 5,971 million (2009) (~26%)
- Internet users: 613.600 (2009) (~2.7%)

- Faculties/Schools: 16
- Teachers: 1 591
- Students: 26 256
- Support staff: 2 539
- Internet access: 20 Mbps – updated/increased in 2010 to 155 Mbps
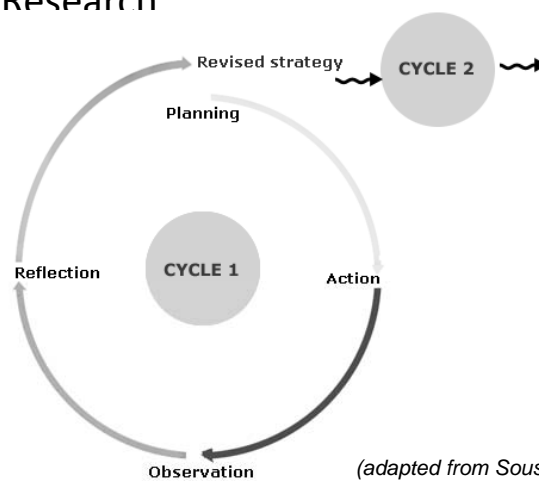
UEM(2010)

Web 2.0 research in UEM

- Main objective
  - conceptualize, design and (partially) implement a strategic plan towards public dissemination and introduction of Web 2.0 tools for supporting teaching and administrative purposes in UEM

Research methodology and cycles

- Action-Research

(adapted from Sousa et al, 2008)

Implementation methodology

- web 2.0 tools identified (and some locally installed)
- workshops and training
- Initial online communities developed (using Ning)
- Other promotion mechanisms developed
  - support by email
  - facebook
  - UEM main website
  - posters

Initiatives with the Faculty of Education

- Workshops introducing Web 2.0 tools for lecturers
- Training focusing blogs and wikis
  - http://blogs.uem.mz (WordPress)
  - http://www.wikis.uem.mz (MediaWiki)

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Master programme	Research Cycle	Tools used
Adult Education **(14)**	first (2010)	Blogs and Wiki
Adult Education **(18)**	second (2011)	Blogs and Wiki
Curriculum and instrututional development**(13)**	second(2011)	Blogs and Wiki

Initiatives with the Faculty of Education

- Support provided
  - Accounts for wikis and blogs created (students and lecturers)
  - Practical sessions for students (mainly done by the lecturers)
  - Physical and virtual helpdesk concerning configuration and content uploading issues
  - Regular motorization of the web services provided

Initiatives with the Faculty of Education

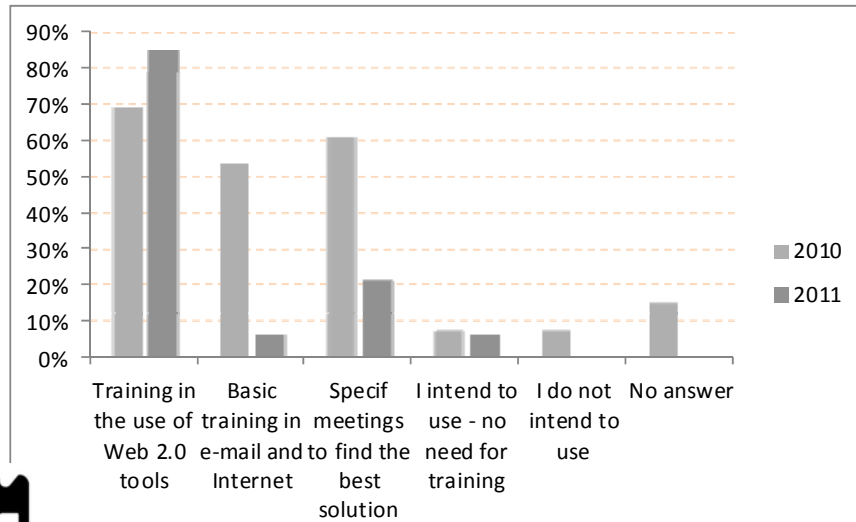# Initiatives with the Faculty of Education

Preliminary results

Intention to integrate Web 2.0 tools in their academic and professional activities

- class of 2010
  - I do not intend to use (7,7%)
  - No answer (15,4%)
- class of 2011
  - I do not intend to use (0%)
  - No answer (0 %)

Preliminary results 2

Preliminary results 3

- **Students also suggested**

  – The inclusion of an informatics class in the course;

  – The increase of the dedicated time for using the tools in the classes and its adoption in other classes;

  – Training on other tools found to be important like Flickr and in the use of some specific hardware(e.g. webcam for video conference)

Preliminary conclusions

- UEM has the chance to build a student profile that is, at least, aware of the importance of ICT in different contexts;

- The preliminary results reveal that students and teachers are willing to continue the use of Web 2.0 tools and that the work must be continued and reinforced.

Preliminary conclusions 2

- Web 2.0 may contribute to UEM develop its participatory democracy through the Internet;

- From the first to the second cycle less students claimed for basic training and this may reveal that the improvements made on training and support were efficient;

- (good) Internet access is a pre-condition to get lecturers involved and actively using Web 2.0 tools

Khanimambo
Obrigado
Thank you