MakelTeasy: guiding higher education actors to take ownership of the development and strengthening of their digital skills

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Context

• P-8 'Strengthening digital skills in education':
  • [https://www.swissuniversities.ch/fr/themes/digitalisation/digital-skills](https://www.swissuniversities.ch/fr/themes/digitalisation/digital-skills)
  • Launched in early 2019, the Swissuniversities P-8: "Strengthening digital skills in education"
    aims to support universities in strengthening the digital skills of students, teachers and administrative and technical staff (ATS).
Context

• Develop and strengthen digital skills within the institution
  • [https://www.unige.ch/digitalskills/](https://www.unige.ch/digitalskills/)
  • One of the objectives of the institution's digital strategy
  • A digital skills framework for the institution.
  • A platform, MakeITeasy, to enable students, PhD students, teachers and technical/administrative staff to take ownership of the development and reinforcement of their digital skills.
General structure

- Self-positioning test
- Digital digital skills
- Digital profile
- Training recommendations
Digital skills framework

• Built from:
  • Digital competence framework for citizens (Digcomp)
  • Digital capacity framework (Jisc)

• Composed of:
  • Areas of digital competence
  • Academic dimensions:
    • Learning, research & teaching
  • Levels of proficiency:
    • A, B, C & D
  • Roles:
    • students, doctoral students, teacher-researchers, ATS

https://www.unige.ch/digitalskills/referentiel
MakelTeasy

https://makeiteasy.unige.ch/
• Test yourself
  • Setting in context:
    • Academic situations involving several digital skills, depending on the dimensions involved
      • Each situation can be broken down into questions
      • Each question corresponds to a proficiency skill level
    • Each skill is tested 3 times in different situations
      • Skill acquisition is based on the weighting of 3 answers
    • Self-positioning on a 4-point Likert scale
    • The test starts with level B, then moves up or down depending on the answers.
MakeITeasy

- Digital profile
  - A unique individual profile
  - Target profiles
    - a generic profile institutional
MakelTeasy

- Training courses
  - Identify existing training courses
    - How to develop the offer
  - Organizing by skills
    - Recommendations
  - Cataloguing them
    - Description to guide selection

https://makeiteasy.unige.ch/index.php/en
Flexibility & scalability

• The platform has been designed to
  • Integrate new skills
  • Integrate new situations and self-positioning questions
  • Integrate new target profiles
• Evolving the reference framework
• Adapting the reference framework to the disciplines
Flexibility & scalability

• At the Faculty of Psychology and Educational Sciences
  • two target profiles are currently being adapted,
    • one for bachelor students,
    • the other for master students.

• At the Faculty of Sciences
  • A strategic choice has been made to focus on future students, in order to assess their digital skills before they enter university.
    • Therefore, some of the occupational situations designed for university students had to be reviewed.

• At the Faculty of Medicine
  • Current discussions suggest that the adaptation might take place at the level of the three existing bachelor sections
Evaluation

• Situations and questions
  • Tested with students "tutors"

• Platform
  • Functional testing
    • Evolution of profile presentation
In progress

• The platform will soon be available to students
• Appropriation of the repository and the platform by faculties
• Introduction of open badges
• Dashboards:
  • Monitoring people's skills level and progress
  • Evolving the platform