



Erasmus+

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Benefits and Barriers to use Web 2.0 Tools in school education

Web 2.0 tools for school education

WEB 2.0 TOOLS

Features of Web 2.0 tools

- ✓ One of the main features of WEB 2.0 is the possibility of developing learning environments in which students can both interact and become "knowledge creators, producers, editors and evaluators" (Richardson, 2009).
- ✓ Collaboration, and discussion with peers and teachers can improve critical skills and a sense of belonging to a group that works cooperatively that can become a source of motivation to learn
- ✓ Web 2.0 can "support active and social learning, provide opportunities and venues for student publication, provide opportunities to provide effective and efficient feedback to students, and provide opportunities to support learning in the student's zone of proximal development"

WEB 2.0 USAGE

Web 2.0 guidelines (1/2)

- ✓ To exploit the potential of Web 2.0 in education is important to follow some guidelines:
- ✓ Do not introduce too many new technologies to students at once as using too many Web 2.0 technologies could lead to shallow learning. It would be preferable for teachers to use a small number of tools, adding more only after expertise is developed.
- ✓ Important is not to use multiple technologies that do the same thing, often managing multiple email accounts and forums and a new technology can create confusing management issues.
- ✓ Teachers should provide appropriate instruction, tutorials, examples, and frequent feedback to support learning activities.

WEB 2.0 USAGE

Web 2.0 guidelines (2/2)

- ✓ Facilitate collaborative learning using Web 2.0 technologies, e.g., use wikis for collaborative writing projects, blogs as spaces for collaborative reflection, requiring participants to respond and provide feedback to one another, social bookmarking sites for sharing resources, peer review systems.
- ✓ Create an engaging and supportive environment, provide clear goals for using Web 2.0 technologies, reward students for good work and contributions, and show YouTube videos to begin or end the lesson.

ABOUT WEB 2.0 TOOLS

Web 2.0 Benefict (1/2)

- ✓ The main benefits of using Web 2.0 technologies in teaching can be summarized as follows:
 - ✓ interaction, communication and collaboration, the use of Web 2.0 in teaching helps to build a community, facilitates interactions and communication, encourages collaboration and sharing of resources.
 - ✓ knowledge creation, Web 2.0 technologies allow students to "become knowledge creators", they can create content on their own taking responsibility for their learning. The teacher becomes a facilitator of learning and is no longer just a distributor of knowledge.

ABOUT WEB 2.0 TOOLS

Web 2.0 Benefict (2/2)

- ✓ ease of use and flexibility. Web 2.0 tools are easy to use and flexible, they eliminate time constraints by providing a more flexible learning environment not closed off by classroom walls
- ✓ Writing skills and technology. The use of Web 2.0 technologies helps students become more proficient in writing and applying technology.

ABOUT WEB 2.0 TOOLS

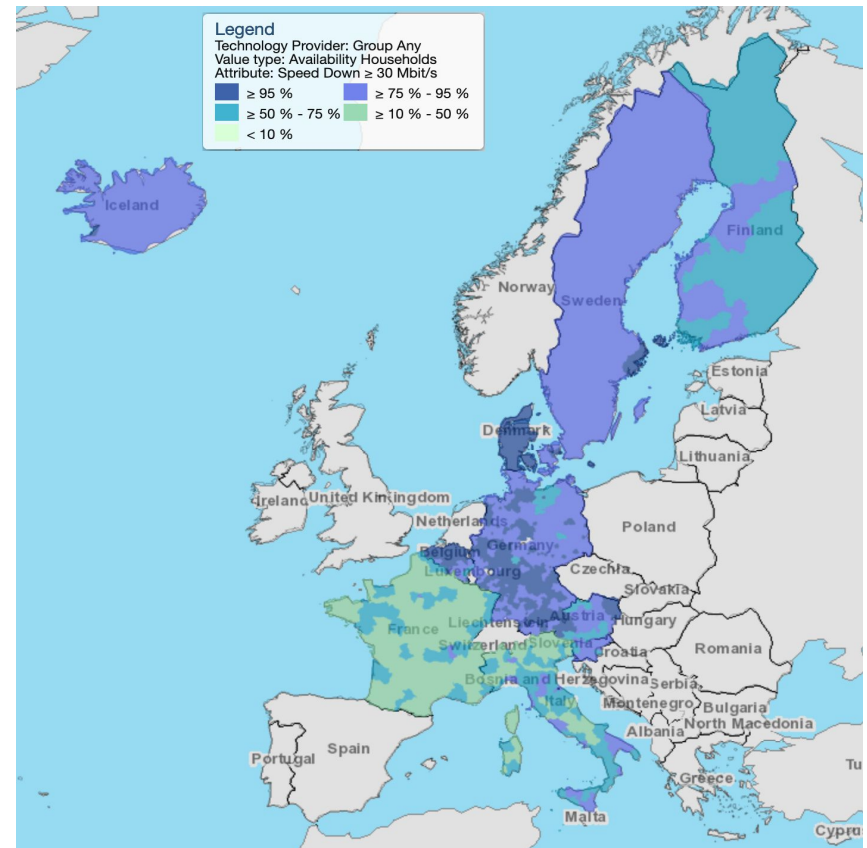
Web 2.0 Barriers (1/4)

- ✓ The main barriers to the use of Web 2.0 in education fall into two main areas:
 - ✓ Technological
 - ✓ Methodological
- ✓ From the technological point of view:
 - ✓ one of the issues to be addressed is the digital divide, defined as a "division between people who have access to and use digital media and those who do not".

ABOUT WEB 2.0 TOOLS

Web 2.0 Barriers (2/4)

The European Broadband Portal (<https://www.broadband-mapping.eu/>) shows that in many countries there are large areas where less than 10% of homes are served by an internet connection or have a bandwidth fewer than 30 Mbps. The availability of a stable 30 Mbps connection is essential to take advantage of real-time services such as video conferencing, screen sharing, and video recording that are so useful for distance education



ABOUT WEB 2.0 TOOLS

Web 2.0 Barriers (3/4)

- ✓ Another problem to be taken into account is the age and obsolescence of the computers present in many computer rooms in our schools, which do not allow the use of certain services because they are now too old. Lastly, there is the aspect of computer literacy among teachers, who often do not have the basic skills to use these services.

ABOUT WEB 2.0 TOOLS

Web 2.0 Barriers (4/4)

- ✓ From the methodological point of view, it must be understood that the simple use of a tool such as Web 2.0 does not bring any kind of benefit.
- ✓ Web 2.0 tools have to be supported by correct planning from an educational and pedagogical point of view. It is therefore important that the teacher, starting from the pedagogical objective, selects the correct tool to integrate, the teaching strategy, and the most suitable materials for the purpose