

THINKING MULTIMEDIA AND CREATIVITY IN GREEN EDUCATION

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ABSTRACT

The proposed poster is designed to draw attention and to put a strong accent on art and skills for teaching in e- & m-Learning with an essential contribution in designing and development of a new environmental learning system using on-line multimedia rich content and on-line training resources. The authors intend to take into consideration a wide palette of aspects linked to life-long-learning education, interactive teaching modules, and environmental issues such as: air pollution, global warming, ozone layer depletion, energy conservation, clean-up technologies, waste management and preservation of natural resources.

The appropriate and timely professional training based on innovative E-learning content in life long learning represents one of the main “levers” that could halt and turn back many unfavorable processes in educational fields and environmental protection. One of the innovations presented in this poster is the response to today’s people increasing needs for mobility and availability of information-on-demand by combining the use of mobile devices and wireless connectivity in ODL learning and daily working activities, with particular emphasis on specialists working in the Environment Protection field. This represents the main idea of an European project developed by the authors in the frame of the Leonardo da Vinci program, called “**Mobile E-Novative Use of E-learning Technologies**”, acronym “**MENUET**”.

The ideas presented in this poster are grouped around a **reference element**, symbolized by a **tree**. This tree is a symbol of our ongoing work in the framework of the **MENUET project** and also of the **connection between the existing systems** at different social layers and **Future Emerging Technologies**. Using a tree as a symbol, the authors are proposing a multi-disciplinary structure with a linear evolution. Ideas and elements of the project can be integrated in this structure using text, pictures and symbols to make the message accessible to a broad audience. The tree also symbolizes **growth**, both on the vertical projection (**cumulative-approach**) and horizontal projection (**qualitative approach**).

The **logo** of the University POLITEHNICA of Bucharest is located at the tree’s root and represents the source of ideas and the “working ground” for the project.

The poster contains a **tag cloud**, placed at the tree’s base, from where it draws its sap. The tag cloud contains relevant keywords, emphasizing the strong multidisciplinary character of this project.

The **five main tree braches** symbolize the main activity directions of the project: **Innovative ODL and Web-Design, Environment Protection, Energy Management, M-Learning, Development of multimedia content**.

The **letter M** (MENUET, MOBILITY), located in the upper central part of the tree, is a representative symbol and a connection between all elements.

The **graduation hat** on top of the letter M symbolizes the “student-centered learning” approach to education.

The project title – located in the upper part of the tree, in the canopy – is the crown of all activities, representing the results of our work and a guarantee of the success and efficiency of the project.

The sun beams – the elements surrounding the letter M in the centre – are a symbol for the source of ideas and of life itself, attracting and entailing collaborators from other communities interested in the proposed subject.

The emerging green buds from the tree are a symbol of the **Future Emerging Technologies**, as a premise of the rebirth of the economy in a greener environment. These buds bring a call to encourage creativity and innovative ideas with potential for improving the existing systems.

The butterflies flying around the tree represent a social network and a permanent interconnection with other communities interested in the project's activities. The social network is an essential element as a bridge between different European research communities and disciplines, stimulating innovative ideas. The existence of such a social network offers a great dissemination potential of results and achievements, opens opportunities and encourages the exchange of ideas, good practices and experience

between members of other communities. Furthermore, flying butterflies suggest optimism, mobility and dynamic connections with other communities.

The graphics, based on round, continuous shapes - suggest the idea of continuity, life long learning, creative power and a synergy between different disciplines such as computer science, environment, engineering sciences, management, economics, art and design etc.

The authors designed this poster as an opportunity to present their ongoing research in the MENUET project, their breakthrough results, innovative ideas from their community and an invitation to other communities to join discussion about their work regarding **Future Emerging Technologies**.

General Terms

Management, Performance, Design

Keywords

Future Emerging Technologies, research, multi-disciplinarity, environment, life-long-learning, management, creativity, e-Learning, m-Learning, mobility, education.