

GOERUDIO METHOD AND TOOL TO ACHIEVE NECESSARY LEVEL OF COMPREHENSION

**Anca Cristina COLIBABA¹, Claudia Elena DINU²,
Cintia Lucia COLIBABA³, Ramona CÎRȘMARI⁴**

e-mail: acolib@euroed.ro

Abstract

The project rationale relies on the challenges that the educational and training systems are facing - the lack of motivation of secondary and vocational education students in studying scientific. The motivation of these problems are obviously complex and invest many different factors, but the project partners believe that the most important one is related to the fact that too often students approach to scientific issues is too passive, based on memorising rather than understanding. Goerudio is a learning methodology that is based on user involvement in its application and subject matter development. This program enables the user to explain complex formulas, physics laws and concepts presented by teachers with simple and familiar examples that are readily understood. The key difference between Goerudio and similar tools is that it facilitates learning rather than teaching and does not conflict with traditional teaching methods. Goerudio provides an internet based framework through which the user pool (students) refines the concepts and models in support of any given subject. Through active involvement in the process and the use of familiar examples, the learners rapidly gain a better understanding of the underlying principles or processes. Interaction and communication among the users helps to develop a common understanding of the concepts and their relationships to relevant laws of science and mathematics.

Key words: education, training, science, curricula, students