

GT2 ON THE USE OF NEW METHODS AND MULTIMEDIA

Elena Sassi, *University of Naples Federico II, Italy*

Sonja Feiner-Valkier, *Eindhoven University of Technology, Eindhoven, The Netherlands*

During the STEPS project of EUPEN, active from 2005-2008, we participated in a working group on "New teaching and learning methods" and the use of new multimedia.

We made an inventory of new methods for Bachelor- and Master studies among all the members of the STEPS-project as well as an inventory on tools, software and programming languages and the importance of transferable/high level skills. This resulted in a list of new methods divided in three categories: Distance learning and blended learning, problem based learning and project oriented learning, Student centered learning and peer instruction. This list of new methods and the results on tools, software, programming languages and transferable skills is available on the website www.stepstwo.eu. Furthermore, the working group participated in the evaluation of multimedia material by the MPTL-group.

In 2009, we started with the follow-up project: STEPS-TWO, where we will continue with the work on new methods and multimedia. We will concentrate on project-based learning and student centered learning and our main goal is to make the results of this survey easy accessible on websites. In addition to this we will try out a selection of the best practice materials to get data on the use of multimedia material from teachers and students.

In this presentation, as an introduction, we will show you the most important results from the STEPS project and we will present the aims of STEPS-TWO for the next three years.

The main part will address some of the problems encountered in the categorization and evaluation of the methods and materials and a brief description of didactical aspects and conditions for an effective integration of these methods and materials. A few examples will be discussed to illustrate the above mentioned.