

Workpackage N 2- Building the academic content for virtual simulations in Biomedicine using a Virtual Medical Microbiology Laboratory (VMML) as a pilot scheme

Related assumption and risks (max 400 characters)

EU partner universities are leading centers for the IT technology in Biomedicine. We therefore do not envisage major risks in the quality insurance and relevant expertise. Since this workpackage requires organising videoconferences between partners and a workshop some minor risks may be associated with technical problems in communication and travel disruptions.

Description of the workpackage (max. 2000 characters)

In this workpackage Virtual Medical Microbiology Laboratory (VMML) will be used as a pilot model for Innovative Multidisciplinary Centres of the Development of Virtual Laboratories (IMCDVL) in Biomedicine. This task will be jointly performed by Group II (Education) in consultation with group I (Innovative Technology/Research) of each IMCDVL (see WP1).

Building the content will include implementation of the following tasks (outcomes):

- (a) establishment of the optimal list of the virtual packages for VMML;
- (b) identification of the major IT technologies required for the implementation of VMML;
- (c) identification of the centers of excellence in EU partner universities for the training purposes of the SCU staff in the creation of virtual simulations;
- (d) identification of the technical support for ICDVS including equipment, software and presentation packages;
- (e) creation of the academic databases and image libraries required for VMML interactive teaching, including concepts, quizzes, cartoons, animations etc;
- (f) building of comprehensive conceptual models and scenarios for VMML.

Information gathered during implementation of this workpackage will feed into the relevant tasks and stages of the establishment of IMCDVL (WP1)

IT and academic staff from Southern Caucasian Universities (SCU) and EU partner universities will work closely on the implementation of the tasks (outcomes) of this project. Regular videoconferences will be organized with the participation of all the members of the consortium for the implementation of the tasks (see above) with the rotation of the chairing partner university. The frequency and the concrete subject/purpose of the videoconference will be based on the progress of the team work. An additional workshop will be organized closer to the completion time of the work package for the SCU at the regional center (TSU, Georgia).

This work package will be completed during the first 8 months of the project.