EU KAVA-PROJECT (INFO CENTER)
VISUAL 3D – VR/AR MODELLING NETWORK

VISUAL 3D HAS ESTABLISHED A EUROPEAN NETWORK DEALING WITH FUTURE APPLICATIONS OF VIRTUAL AND AUGMENTED REALITY IN THE FIELDS OF GEOLOGY AND MINING.

The aim of the Visual3D-Project is to establish a network emphasizing on the visualization of 3- and 4-dimensional models. In order to improve the understanding and interpretation of shown data, new hardware and software features, such as virtual reality or augmented reality tools, will be introduced in modelling procedures. The participants in the project have considerable expertise in the field of virtual and augmented reality environments and 3D-modelling software. As a result new methods of presenting and exchanging data and information are developed. The communication as well as interpretation of models is improved by using virtual and augmented reality technology.
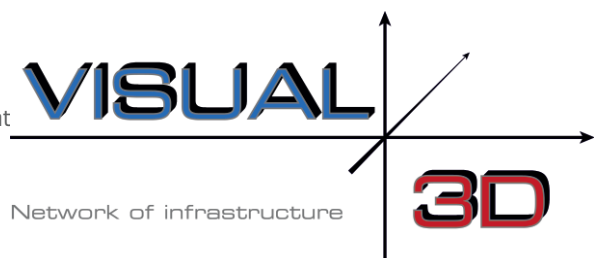
Ideas of possible future projects in the field of virtual and augmented reality are discussed at the project meetings twice a year. Additionally the organizing partner presents his current modelling infrastructure. One idea was to modernize the education of mining engineers by introducing virtual and augmented reality contents in the classroom. The KAVA project proposal MiReBook that was submitted by a project consortium of universities and industry partners led by the Chair of Mining Engineering has been approved. During the next three years lecture material related to processes and technologies applied in open pit and underground mining will be created at different raw material sites all over Europe. Additionally the project consortium will write a mining education handbook including virtual and augmented reality features.

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VISUAL 3D
Network of infrastructure
Visualisation of 3D/4D Models in Geosciences

ME mining engineering mineral economics