

## Workshop on subsurface 3D analysis and visualization using GIS

### Location:

GIS-laboratory (Southern Building, 1st floor, 1.401 room),  
Eötvös University, Faculty of Science, Department of Physical Geography

### Lecturers:

*András Sik*, Phd - Assistant professor, Eötvös University, Faculty of Science, Department of Physical Geography

*Tamás Biró* - MSc student in Geography, Eötvös University, Faculty of Science

### Format:

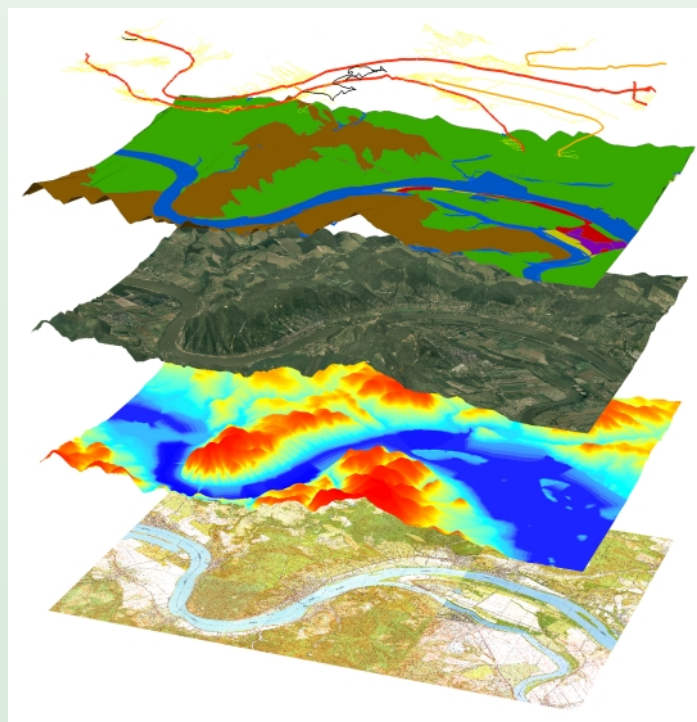
Oral presentation and practical course in PC-laboratory

**Maximum number of participants:** 15

**Contact and further info:** *Tamás Biró*; [tbiro.geogr@gmail.com](mailto:tbiro.geogr@gmail.com)

### Description:

The 3-hour-long workshop focuses on data analysis and visualization with geoinformatics (GIS) in geological context. The workshop starts with a brief introduction of GIS theory and provides useful methods for using ArcMap and ArcScene of Environmental Systems Research Institute (ESRI). Participants will be introduced to 3D GIS methods, which considered as one of the most progressive field of geoinformatics. The workshop will be helpful for those who want to know more about 3D geological modeling and their applications, with a focus on subsurface data processing and visualization.



*Visualization of layers in 3D using GIS. Layer from bottom to top:  
Topographic map; digital elevation model (color relief map); orthophoto; land cover; infrastructure.*