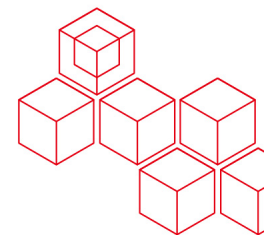


*SEASON'S
GREETINGS*



Urban Geological Map

https://gbank.gsj.jp/urbangeol/index_en.html

The Geological Survey of Japan (GSJ), AIST has released the 3D geological map of central Tokyo, which can display the detailed subsurface geological structure up to the depth of several tens of meters. The 3D geological map was visualized with a vast amount of borehole data utilizing a specially developed computational geomodelling technique (Left figure).

Beneath the Tokyo Lowland, Holocene muddy sediments fill the valley formed during the sea-level lowstand of the Last Glacial Maximum (ca. 20 ka). The computational analysis of the data revealed the detailed three-dimensional shape of the buried valley (Lower figure). The information in the 3D geological map is expected to contribute to geohazard risk reduction, city planning, infrastructure development, etc.

