

## Three-dimensional Visualization and Web Sharing of Geological Logs using FOSS4G

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Recently, Web sharing of subsurface geospatial information has received increasing attention because of its importance in disaster mitigation / prevention. The purpose of this study is to establish technology to share two- and three-dimensional (2D / 3D) geological information on the Web using Free and Open Source Software for Geoinformatics / Geospatial (FOSS4G). As a first step of our work, we constructed a database of geological logs using PostgreSQL and developed a web mapping system for fundamental geological information, such as geological map and geological logs, using Leaflet JavaScript library. Linking the database and the mapping system enables to visualize geological logs within a specified region in 2D / 3D. This study was supported by JSPS KAKENHI Grant Number JP16K21677.