

Development and Publishing of new Seamless Geological Map 3D with Cesium

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We renewed the Seamless Geologic Map 3D which is the Web site where you can use geologic map of the all over Japan in 3D. Legend selection function and undulation emphasis function, etc. were added to this site. JavaScript library Cesium is used by new seamless geologic map 3D. Cesium is a open-source JavaScript library for world-class-3D globes, using international standard WebGL on a web browser. And, we developed library S-map which can change more than one map drawing engine newly, implement the function to which 2D/3D is changed by the Seamless Geologic Map 3D. Furthermore, we expanded the PNG Elevation Tile to equidistant cylindrical projection for drawing speed improvement.

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