Development and publishing of the high speed rendering web site for slope gradation map and shaded map

*Yoshiharu Nishioka¹, Juri Nagatsu¹

1. National Institute of Advanced Industrial Science and Technology

We developed and published the high speed rendering web site for slope gradation map and shaded map of the various part of Japan. In this website, PNG elevation tile based on elevation tile of of the Geospatial Information Authority of Japan tile is used. We chose the simplest method using three points to calculate solpe.

Keywords: slope, elevation, PNG elevation tile, geology, smart tile