

Educational effects in geoscience outreach through solid terrain models by desktop 3D printer

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Outreach of geoscience study using the three-dimensional formed material with the precious 3D printer has been performed from 5 or 6 years ago (Shibahara, 2013). Recent price reduction allow introduction for education in a small organization, school and private (Honkyu, 2016). Thus, sharing information of printing methods and experience are important. This presentation will introduce practical example and reaction of the students in geoscience class and outreach event for middle school, high school, university and lifelong education. Printed material are mainly active volcano, or further granitic and limestone area, glacial, active fault, river terrace topography, and asteroids.

Keywords: school education, lifelong education, GSI digital web maps, hands-on, volcanic topography, case studies