Using free on-line tools for archiving old relief models

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Relief models are peculiar type of cartographic products. These models are usually hand-made or produced in small number of copies, so their digital archiving is very important. There are special tools for this task, but these equipments are rather expensive, and libraries or other institutes that usually own these models cannot spend too much.

The authors developed a method which uses the Hypr3D free on-line tool to create digital 3D representation of relief models using a set of photographs as source. This tool creates point cloud and textured triangle mesh based on matching patterns on the photos. This paper introduces the method, discusses the details of successful photographing and the possible post-processing of the results.