

## Development of the textile with a geological map motif-To carry back geo-stories from geopark or natural history museum

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The textiles with the Seamless Digital Geological Map of Japan (1:200,000) motif were launched September in 2013. These textiles were developed under the two basic concepts such as making a superior textile by using the geological map as a design of the earth, and the other is making the product which the visitors can carry back a geological story home from natural history museum or geopark. To achieve these concepts, it was important that a designer cooperated with a geologist.

The textiles were developed with Nikko area of the Seamless Digital Geological Map of Japan (1:200,000) motif. The designer changed the color of each legend of the geological map on Geographic Information System (GIS) software and printed it on cloth. The products contained a handkerchief, a porch, and a mini-tote bag with purplish, greenish and pinkish colors each. Because the cloth for product is clipped out from the large cloth which a geological map was printed on, there are 10 areas of porch or 3 areas of mini-tote bag from one printed cloth. As a result, we made the many kinds of textiles such as 3 kinds of handkerchiefs, 30 kinds of porches and 9 kinds of mini-tote bags.

Since the Seamless Digital Geological Map of Japan (1:200,000) is a digital geological map made with a uniform legend throughout Japan, anyone can cut out any local geological map from it. Therefore, it is possible to make the product of the different design every area. If these textiles are made in each geopark, the visitors can carry back the textile with special stories of the geopark.

It is easy to make the T-shirts which a geological map was printed on now. However, it is difficult to make an attractive commercial product, and only an attractive product in cooperation with a designer increases the number of customers. As a result, the product with the geologic map increases the number of people who are interested in geology.

As we push forward a plan to make a product with the geological map of another area motif now, the new products are released soon.

Keywords: textile, geological map, geopark, natural history museum, GIS, geographical Information system