

Mt. Apoi Geopark telling a global dynamic movement of the earth

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Mt. Apoi geopark is located at the southwestern end of the Hidaka mountains, facing to the Pacific southward. Recently, a tectonic map showing a distribution of major plates in the northern hemisphere and suggesting a global sense of plate motion between the North American plate and the Eurasian plate was published. This map gives an easy understanding on a background of the Hidaka mountain building and a simultaneous interpretation on a global dynamic movement of the earth.

We have an excellent example of global mobile belt of the earth, which is the Tethys ophiolite belt from the European Alps ~Greek ~Turkey ~Iran ~Oman ~Pakistan ~Indus Suture ~Andaman ~Great Sunda toward the east, including the continent-continent collisions between Africa and Europe, and India and Asia. Also, we have an above example of active tectonic event such as the Hidaka mountain building, here in Mt. Apoi geopark, Hokkaido, Japan.

Keywords: Mt. Apoi geopark, peridotite, upper mantle, basaltic magma, plate boundary, global dynamic movement