

Decrease of intermediate depth seismicity and Volcanic Front

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We have shown that density of earthquakes in the upper seismic plane in the Tohoku district decreases remarkably beneath the Volcanic Front and its deeper side. In this paper we study above characteristics in Hokkaido and Kanto region. Seismicity in the upper seismic plane beneath Hokkaido becomes extremely low at a depth of 120-130km. In the Kanto region the depth beneath the Volcanic Front is further deeper, and the line connecting the changing points of deep seismicity seems to be located a little more eastern side of the Volcanic Front.