

Japan Geoscience Union Meeting 2011

(May 22-27 2011 at Makuhari, Chiba, Japan)

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SCG062-14

Room:IC

Time:May 27 15:30-15:45

The midterm report of the systematic historical earthquake study along the west coast of the Sea of Japan.

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We have been systematically examining Japanese destructive earthquakes since early modern. For the concentrated deformation zone, we have analyzed more than half of known destructive earthquakes in it. For Oga area, we compared two close events of 1810 and 1939's. Under the Oga Peninsula, plural faults of length about a dozen kilometers exist in the $V_p=6\text{km/s}$ layer, and overall displacement of earthquakes in the breadth catches up with the concentrated deformation observed on the surface. Although we cannot tell the dip direction conclusively, our compiled result will be utilized to set source regions of future events in the eastern margin of the Sea of Japan.

This research is supported by funds from MEXT including the project "Intensive Surveys and Study on the Concentrated Strain Zone".

Keywords: the concentrated deformation zone, historical earthquake, Oga earthquake