

SCG088-P13

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## Active faults along the northern coast of the Noto Peninsula

Yukinobu Okamura<sup>1\*</sup>, Takahiko INOUE<sup>2</sup>, Ken Ikehara<sup>2</sup>, Naomi Kano<sup>2</sup>, Masaki Ozaki<sup>2</sup>

<sup>1</sup>Geological Survey of Japan, <sup>2</sup>Geological Survey of Japan

Geological Survey of Japan has conducted offshore high-resolution seismic profiling survey, sediment core sampling, and swath bathymetric survey along the northern coast of the Noto Peninsula. The survey results showed that there are offshore active SE dipping reverse faults discontinuously along the coast. Based on discontinuity of each fault, they were divided into the Monzen, Saruyama, Wajima and Suzu segments from west to east. The Monzen and Saruyama segments are covered by Holocene sediments, indicating the repeated slip activities during the last 18,000 years. The Wajima and Suzu segments show deformation of the erosional surface during the last glacial age. These active faults are inferred to have been reverse faults developed in late Miocene and reactivated in Quaternary.

Keywords: Noto Peninsula, offshore active fault, 2007 Noto-Hanto earthquake, high-resolution seismic profiling survey