

## Seismic geomorphology of Miocene shelf-to-slope depositional system in the southeastern part of the Tsushima Basin

EGAWA, Kosuke<sup>1\*</sup> ; SAKATA, Genki<sup>1</sup> ; MIYAMOTO, Hiroki<sup>1</sup> ; ABE, Yosuke<sup>1</sup> ; MATSUURA, Shinji<sup>1</sup> ;  
IMAMURA, Tetsumi<sup>1</sup> ; HARA, Takateru<sup>1</sup> ; AKUTSU, Toru<sup>1</sup>

<sup>1</sup>INPEX Corporation

We report three-dimensional (3-D) seismic geomorphologic features of a shelf-to-slope depositional system in the southeastern part of the Tsushima Basin, offshore Southwest Japan, by using the 3-D seismic survey dataset of Shimane-Yamaguchi-oki. The studied Miocene succession presents seismic facies characterized by incised valleys/channels and subsequent multiple stacked slope channels from shelf to slope, with well-developed clinoform reflections. Such seismic aspects strongly suggest the development of a prograding delta system during Miocene time similar to offshore South Korea.

Keywords: Seismic geomorphology, 3-D seismic survey, Tsushima Basin, Shelf-to-slope depositional system, Miocene