

# ***Interactive comment on “Tsunamigenic potential of a Holocene submarine landslide along the North Anatolian Fault (North Aegean Sea, off Thasos Island): insights from numerical modeling” by Alexandre Janin et al.***

**K. Kawamura (Referee)**

kiichiro@yamaguchi-u.ac.jp

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This paper deals with a tsunamigenic submarine landslide in the Aegean Sea. The authors discussed credible scenarios of the tsunami propagation by a large slide around the Aegean Sea using topographic and geologic studies and computer simulations. I have a few questions about the topographic and geologic studies as below.

First question: How do you draw the outline of the Thasos submarine landslide in Figure 2 (a) ? We know the slide scar and front of the wasted mass from Figure 2

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(a) and (b), but we do not understand the lateral limit of the wasted mass from these dataset. We could see a detailed topography of the slide including the wasted mass region in Figure 3 (a). The authors also draw the outline of the slide in this figure, but we could not discuss about this issue in detail, because the bathymetric map is too small. Please show us clearly the bathymetric map in this article, and please explain how do you identify the slide from these datasets.

Second question: How do you interpret the seismic image in Figure 2 (b)? The authors show us SC, SLD, SLB, SLP, and GP in this figure. The SLP area is painted out an opaque orange color, so that we could not see how you interpret the seismic image. The GP steps down, but we could not check your interpretation. It is because the figure is too small. Please enlarge this figure with indication of transparent color.

This is not question, but please indicate the location of the Thasos submarine landslide in Figure 1.

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