

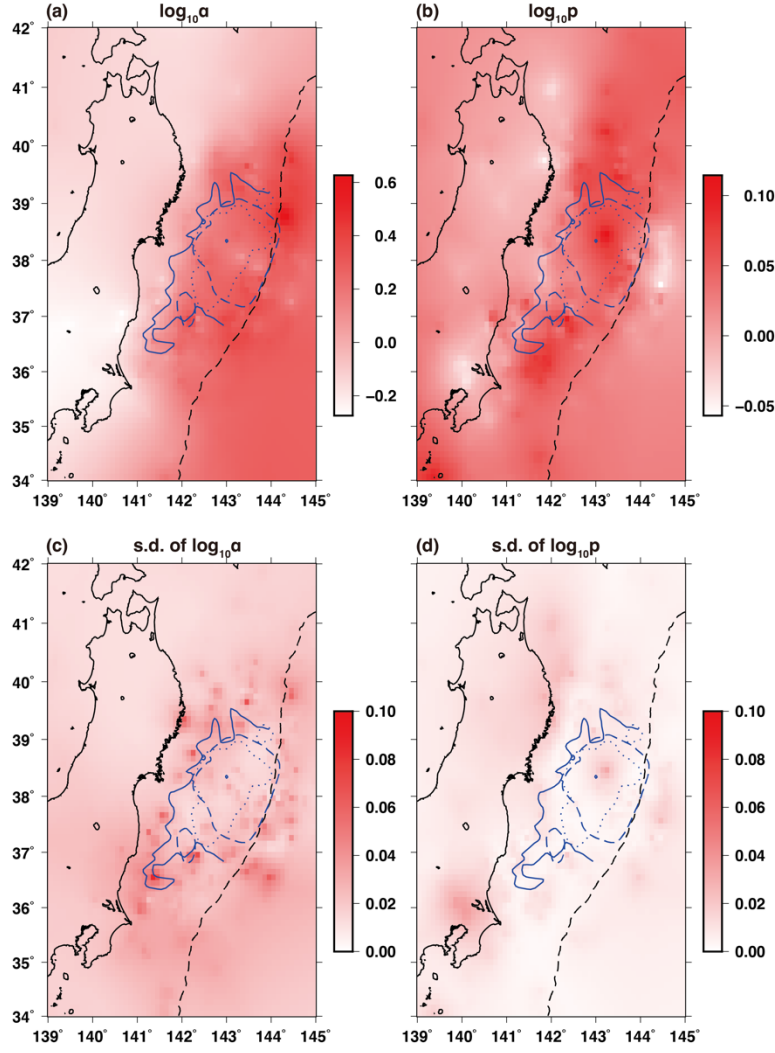


Figure S1. Spatial distribution of the optimal maximum posterior estimates and their uncertainties of the HIST-ETAS model. (a) Common logarithm of α . (b) Common logarithm of p . (c) Standard deviations of the common logarithm of α . (d) Standard deviations of the common logarithm of p . Black dashed lines denote the Japan Trench axis. Blue solid lines denote the outer edge of the large coseismic slip zone of the 2011 Tohoku-Oki earthquake, as proposed by Kato and Igarashi (2012). Blue dashed and dotted lines denote the iso-slip contours (15-m contour) that were estimated by Iinuma et al. (2012) and Yokota et al. (2011), respectively.

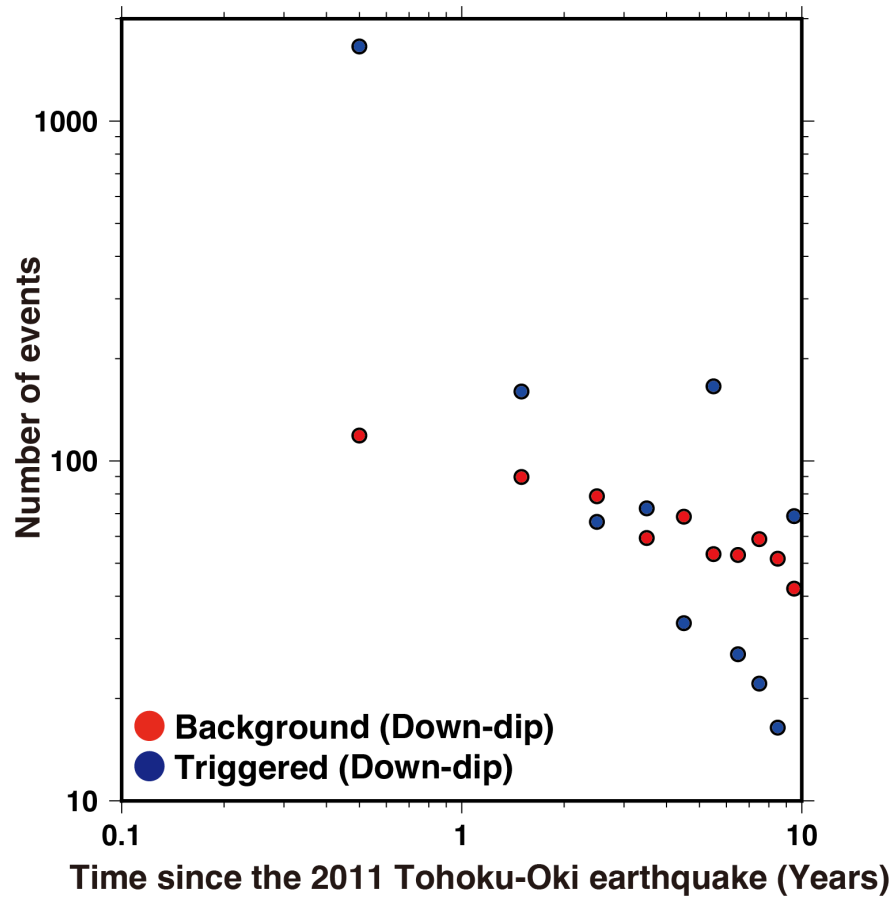


Figure S2. Temporal variations in the number of background and triggered events. Blue circles show temporal variations in the number of triggered events in the red rectangular region in Fig. 1. Red circles show temporal variations in the number of background events in the red rectangular region in Fig. 1.