## Release of 1:25,000 Active Fault Map "Aso" and "Kumamoto": Futagawa-Hinagu Fault Zone and its vicinity(1) : - Overview -

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The 1:25,000 Active Fault Map is a national thematic map of active faults on a scale of 1/25,000 created by the Geospatial Information Authority of Japan (GSI) with active fault researchers. About 80 major active fault zones (about 70 % of the total) in Japan are covered by 197 sheets (as of October 2018). These maps represent detailed locations and sense of movement on the ground surface of active faults. It is used as basic data for disaster risk reduction, such as hazard modelling, geological research and infrastructure planning. In the case of Active Fault Map, active faults are identified by fault displacement topography. Aerial photographs and digital elevation model are often used to detect such topography.

Responding to the occurrence of the 2016 Kumamoto earthquakes, GSI started a survey on the Futagawa-Hinagu fault zone that caused this quake. The result was summarized as '1:25,000 Active Fault Map "Aso" and "Kumamoto revised version": Futagawa-Hinagu Fault Zone and its vicinity' and released in October, 2017. At the time of releasing, GSI held local briefing sessions and distributed maps to local governments and relative national organizations. These maps are used for new disaster prevention plan and the active fault research in Aso and Kumamoto regions.



Fig. 1 A part of 1:25,000 Active Fault Map "Kumamoto revised version"