

## Distribution and development of crack sealed veins in the Sambagawa metamorphic rocks

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Sambagawa metamorphic rocks are Jurassic accretionary complex metamorphosed and extruded during the Cretaceous. Because of the evidence accompanied by eclogites and mantle rocks, they would have subducted to the depth of mantle wedge under the island arc. The studies in Shikoku (Narita, 1995MS) and Kanto (Toriumi & Yamaguchi, 2000) revealed that many crack sealed veins, which implies the fluid interfillation and mineral solidification within the Sambagawa metamorphic rocks. Although their distribution and mechanisms are fewly understood, they could be referred to or may verify the ultra deep refraction (Kodaira et al., 2002). With this point of view, in order to understand the rock deformation and fluid interaction at deep part of the subduction zone, distribution and kinematics of crack sealed veins are carried out in the Kanto and Sambagawa.