

BPT022-02

会場:104

時間:5月24日 12:00-12:15

## 現地性玄武岩を伴う別子型塊状硫化物鉱床の Re-Os 年代：白亜紀後期海嶺沈み込み時期の制約

### Re-Os age of Besshi-type sulfide deposit associated with in-situ basalt as an age constraint for ridge subduction

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We report two Re ages from the Makimine and Shimokawa Besshi-type massive sulfide deposits distributed in the Northern Shimanto Belt. These Besshi-type massive sulfide deposits are characterized by close association with an in-situ basalt whose geochemical composition is similar to those of mid-ocean ridge basalts and sandstone/mudstone directly overlie massive sulfide layer, indicating that the Makimine and Shimokawa Deposits were formed in the shelf sea covered by terrigenous clastic rocks. We present that the Re-Os age of these Besshi-type deposits will be a powerful tool to determine a timing of the ridge subduction to the paleo-Japanese Island in the Late Cretaceous.

キーワード: Re-Os 年代, 別子型塊状硫化物鉱床, 海嶺沈み込み, 槇峰鉱床, 下川鉱床, 四万十帯北帯

Keywords: Re-Os age, Besshi-type massive sulfide deposit, ridge subduction, Makimine Deposit, Shimokawa Deposit, Northern Shimanto Belt