

## Rifting- and subduction-related volcanism of the northern Fossa Magna related to the formation of the Sea of Japan

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Specific aims of the research are; 1) to characterize the chemical composition of the magmatic sources for the Cenozoic volcanic suite in the Fossa Magna region, a boundary fault zone between north and south Japan, 2) to relate the magmatic evolution to the simultaneous tectonic process of the opening of the Japan Sea, and 3) to assess the role of rifting and subduction processes in the evolution of the continental margin of the northwestern Pacific rim with inferences for the other tectonic zone.

Keywords: Fossa Magna, Yamato Basin, MORB source, Enrich mantle