

The cutting edge of our understanding achieved by various approaches

6 - 7 Mar. 2024

at Kobe University Centennial Hall, Kobe, Japan

# Submarine caldera volcanoes

The submarine caldera eruption produces a significant amount of pyroclastics/volcaniclastics and give rise to associated tsunamis, exerting a profound and far-reaching impact on human existence, societal infrastructure, and the natural environment (e.g., the Kikai-Akahoya eruption of Kikai, Japan; the Minoan eruption of Santorini, Greece). Understanding the eruption styles / mechanisms, marine tephra records, magma properties / storage, and the magma supply systems leading to these eruptions poses significant challenges due to their inaccessibility. Nonetheless, recent comprehensive studies utilizing marine seafloor observations, seafloor sampling, and scientific drilling have greatly advanced our understanding of these volcanic systems. The purpose of this symposium is to share the latest advancements in understanding submarine caldera volcanoes through various research approaches, discuss the results, and foster future investigations with international collaborations. Contributions on submarine eruptions, including non-caldera events, as well as on-land eruptions, are also welcomed and encouraged.

Extend the  
deadline!

## SCHEDULE

14 Nov. 2023

Deadline for application to presentation, travel grant

9 Jan. 2024

Deadline for modification of abstract

28 Feb. 2024

Deadline for registration for participation in the symposium (no presentation)

5 Mar. 2024

Icebreaker at or near Kobe University

6-7 Mar. 2024

Symposium at Kobe University

8-10 Mar. 2024

Field trip at Kikai Caldera in southern Kyushu, Japan (Application is closed)

## VENUE

Kobe University Centennial Hall

## ORGANIZERS

KOBE OCEAN-BOTTOM EXPLORATION CENTER (KOBEC) , Kobe University

Research Institute for Marine Geodynamics (IMG) ,Japan Agency for Marine-Earth Science and Technology (JAMSTEC)

## SUBSIDIZERS

- The Ministry of Education, Culture, Sports, Science and Technology (MEXT) of Japan, under its The Second Earthquake and Volcano Hazards Observation and Research Program (Earthquake and Volcano Hazard Reduction Research)
- SECOM Science and Technology Foundation
- Nakatsuji Foresight Foundation



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