

MAGELLAN³ WORKSHOP SERIES

SHREK 鬼界

Submarine Hazards, Responses,
and Eruption Cycles
from Kikai Caldera



MARCH 15-17, 2027

Kobe University, Japan



WORKSHOP OBJECTIVES

Bringing together marine geoscientists, volcanologists, geochemists, microbiologists and drilling scientists to develop a new IODP drilling strategy for understanding the evolution, hazards and recovery of the Kikai caldera system.



SCIENTIFIC TOPICS



Evolution of the Kikai caldera
through multiple eruptive cycles



Inter-caldera volcanism and
lava dome development



Links between tectonics, climate
and caldera formation



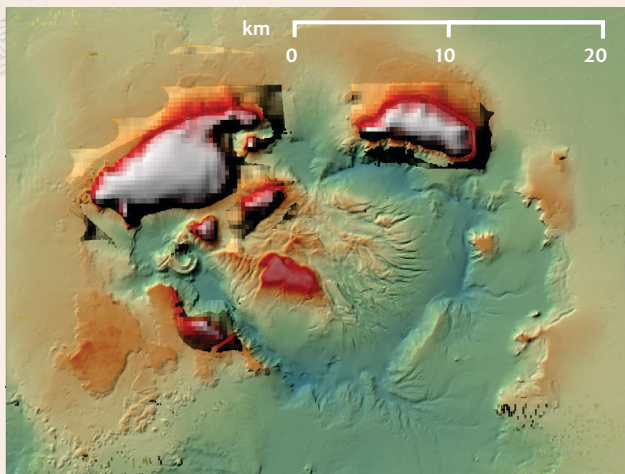
Post-eruption microbial and
biogeochemical recovery



Impacts of large Ryukyu
arc eruptions



Satsuma-Iwojima Volcanic Island



Bathymetry of Kikai Caldera



SCIENTIFIC COMMITTEE

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