

## Mount Shinmoedake

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### Mount Shinmoedake Latest News

Japan's Mount Shinmoedake, a volcano in the Kirishima mountain range on Kyushu Island, erupted recently, sending a towering ash plume into the sky.

### About Mount Shinmoedake

- It is an **active stratovolcano** located on **Kyushu Island, Japan**, within the **Kirishima mountain range**.
- It rises 1420.8 meters above sea level as part of the **volcanic complex in Kagoshima Prefecture**, displaying **frequent eruption patterns** and geological formations.
- Recorded eruptions of Shinmoedake started in 1716. Since then there have been eruptions scattered across all the years to the present day.
- It gained **international fame as one of the filming locations for the 1967 James Bond movie "You Only Live Twice"**.

### What is a Stratovolcano?

- It is a **tall, steep, and cone-shaped** type of volcano.
- Unlike flat shield volcanoes, they have **higher peaks**.
- They are **typically found above subduction zones**, and they are **often part of large volcanically active regions**, such as the **Ring of Fire** that frames much of the Pacific Ocean.
- They are usually about **half-half lava and pyroclastic material**, and the **layering of these products** gives them their other **common name of composite volcanoes**.
- **At the peak**, stratovolcanoes usually have a **small crater**. The crater may be **filled with water or ice**, or **it may contain a volcanic dome** during a period of relative inactivity.
- Stratovolcanoes comprise the **largest percentage (~60%) of the Earth's individual volcanoes**, and most are characterized by **eruptions of andesite and dacite, lavas that are cooler and more viscous than basalt**.
- These more **viscous lavas allow gas pressures to build up** to high levels. Therefore, these volcanoes often **suffer explosive eruptions**.

**Source: TIMES**

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