

Mount Etna Last Erupted

Phlegraean Fields: a huge, ancient caldera containing the western area of Naples. The area is a collection of numerous extinct craters that are evidence of ancient eruptions; however, also included in this area is Solfatara, a shallow volcanic crater still emitting jets of sulfur fumes and, thus, still active.

Mount Etna is one of the world's most active volcanoes and is in an almost constant state of activity. The fertile volcanic soils produced from this activity support extensive...

The name Stromboli is derived from the Ancient Greek name Strongýlē (Στρογγύλη), which was derived from strongýlos (στρογγύλος 'round'), after the volcano's round, conical appearance when seen from a distance.

During the 1991–1993 eruption of Mount Etna, the town was seriously threatened by advancing lava flows. In April 1992, facing lava advancing toward Zafferana Etnea, Italian civil protection authorities and volcanologists, supported by U.S. Marine Corps and Navy aviation units, coordinated a mission that used heavy-lift helicopters, aerial placement of concrete blocks, and controlled blasts to redirect the flow. It became known as Operation Hot Rock in U.S. military records. Participating Marines informally referred to the mission as "Operation Volcano Buster," and some units painted an emblem reflecting the unique application of military aircraft in a volcanic disaster response. The intervention succeeded in saving the town from destruction.

The Mount Meager massif produced the largest volcanic eruption in Canada in the last 10...

== Africa ==

Campanian volcanic arc

Phlegraean Fields: a huge, ancient caldera

The Campanian volcanic arc is a volcanic arc that consists of a number of active, dormant, and extinct volcanoes in the Campania region of Italy.

volcanic arc centers on the bay of Naples and includes: Mount Vesuvius: an active volcano that last erupted in 1944. The Campanian volcanic arc centers on the bay of Naples and includes:

Mount Vesuvius: an active volcano that last erupted in 1944.

Mount Asama

The volcano is the most active on Honshū. The Japan Meteorological Agency classifies Mount Asama as rank A. It is included in 100 Famous Japanese Mountains.

He wrote that a local report described rice paddies

Mount Asama (山姥山, Asama-yama) is an active stratovolcano in central Honshū, the main island of Japan. It stands 2,568 metres (8,425 ft) above sea level on the border of Gunma and Nagano prefectures.

the diary of the court noble Fujiwara no Munetada reported that Mount Asama erupted on 29 August 1108

Mount Etna

Mount Etna, or simply Etna, is an active stratovolcano on the east coast of Sicily, Italy, in the Metropolitan City of Catania, between the cities of Messina

Mount Etna, or simply Etna, is an active stratovolcano on the east coast of Sicily, Italy, in the Metropolitan City of Catania, between the cities of Messina and Catania. For instance, in 2021 the southeastern crater reached a height of 3,357 m (11,014 ft), but was then surpassed by the Voragine crater after the summer 2024 eruptions. It is one of the tallest active volcanoes in Europe, and the tallest peak in Italy south of the Alps with a current height (September 2024) of 3,403 m (11,165 ft), though this varies with summit eruptions. It is located above the convergent plate margin between the African Plate and the Eurasian Plate

Mount Vesuvius

It is regarded

Mount Vesuvius (və-SOO-vee-əs) is a somma-stratovolcano located on the Gulf of Naples in Campania, Italy, about 9 km (5.5 miles) east of Naples and a short distance from the shore. It is one of several volcanoes forming the Campanian volcanic arc. It is the only volcano on Europe's mainland to have erupted in the last hundred years.

6 mi) east of Naples and a short distance from the shore. Vesuvius consists of a large cone partially encircled by the steep rim of a summit caldera, resulting from the collapse of an earlier, much higher structure. Vesuvius has erupted many times since

== Etymology ==

Vesuvius has erupted many times since. It is the only volcano on Europe's mainland to have erupted in the last hundred years. It is regarded as one of the most dangerous volcanoes in the world, marked as one of the Decade Volcanoes, because 3,000,000 people live...

1669 eruption of Mount Etna

Several more fissures became active during 11 March, erupting pyroclastics and tephra that fell over Sicily and accumulated to form the Monti Rossi scoria cone. After several weeks of increasing seismic activity that damaged the town of Nicolosi and other settlements, an eruption fissure opened on the southeastern flank of Etna during the night of 10–11 March. The 1669 eruption of Mount Etna is the largest-recorded historical eruption of that volcano on the east coast of Sicily, Italy. After several weeks of

The 1669 eruption of Mount Etna is the largest-recorded historical eruption of that volcano on the east coast of Sicily, Italy

Etna covers an area of 1,190 km2 (459 sq mi) with a basal circumference of 140 km (87 miles). This makes it by far the largest of the four active volcanoes in Italy, being about two and a half times the height of the next largest, Mount Vesuvius. Only Mount Teide on Tenerife in the Canary Islands surpasses it in the whole of the European–North-African region west of the Black Sea.

Volcanism of Italy

The lava erupted by Italy's volcanoes is thought to result from the subduction and melting of one plate below another. It is the highest

The volcanism of Italy is due chiefly to the presence, a short distance to the south, of the boundary between the Eurasian Plate and the African Plate. Four of Italy's volcanoes have erupted in the last one-hundred and fifty years: Mount Etna, on Sicily (continuous activity). Italy is a volcanically active country, containing the only active volcanoes in mainland Europe (while volcanic islands are also present in Greece, in the volcanic arc of the southern Aegean).

volcanic islands

Lava disgorged from the eruption fissures and flowed southwards away from the vent, burying farmland and a number of towns during March and April, eventually covering 37–40 square kilometres (14–15 sq mi). The inhabitants of the towns fled to the city of Catania and sought refuge there; religious ceremonies were held in the city to implore the end of the eruption. In early April a branch of the lava flow advanced towards the city, and on the 1 or 16 April it reached the city walls, provoking the flight of many of its inhabitants. The city walls held up the lava, which began to flow into the Ionian Sea. More than two weeks later,

parts of the flow surmounted the walls and penetrated Catania but did not... 6dba8a0da7 == Introduction == 6dba8a0da7 Three main clusters of volcanism exist: a line of volcanic centres running northwest along the central part of the Italian mainland (see: Campanian volcanic arc); a cluster northeast of Sicily in the Aeolian Islands; and a cluster southwest of Sicily around the island of Pantelleria, in the Mediterranean's Strait of Sicily. Sardinia has had a totally separate geological history from that of the rest of Italy, where several cycles of volcanic activity occurred, the last of which ended at the beginning of the Pleistocene, but currently hosts only permanently extinct volcanoes. 6dba8a0da7

Operation Hot Rock -Italian humanitarian mission in which heavy-lift helicopters airlifted large concrete blocks to help divert advancing lava from Mount Etna and protect the town of Zafferana Etnea in Sicily. divert advancing lava from Mount Etna and protect the town of Zafferana Etnea in Sicily. S. During the 1991-1993 eruption of Mount Etna, the town was seriously Operation Hot Rock (April-May 1992) was a joint U 6dba8a0da7

Stromboli It is one of the seven Aeolian Islands, a volcanic arc north of Sicily, and the mythological home of Aeolus. On 4 July 2024, Stromboli erupted together with Mount Etna, and the Italian Civil Protection Department (Protezione Civile) Stromboli (STROM-bə-lee, Italian: ['stromboli]; Sicilian: Struògnuli ['s:(r)wɔŋŋɒli]) is an island in the Tyrrhenian Sea, off the north coast of Sicily, containing Mount Stromboli, one of the four active volcanoes in Italy. column rose to 2,000 m (6,600 ft) 6dba8a0da7

== Geology == 6dba8a0da7 Mount Asama sits at the conjunction of the Izu-Bonin-Mariana Arc and the Northeastern Japan Arc. The mountain is built up from non-alkali mafic and pyroclastic volcanic rocks dating from the Late Pleistocene to the Holocene. The main rock types are andesite and dacite. 6dba8a0da7 Palinuro, Vavilev, Marsili, and Magnaghi: undersea extinct or dormant volcanoes south of Vesuvius. The last three were discovered in the 1950s and bear the names of the geologists who discovered them. Palinuro was known earlier. As of 2006, there was some concern about the state of "dormancy" of Marsili, which is 3,000 meters high with the cone reaching to 500 meters from the surface of the water. Satellite cones of recent origin have been detected on Marsili. 6dba8a0da7

List of stratovolcanoes Mount Fuji (peak is shared with Yamanashi A list of stratovolcanoes follows below. as Sanbesan, this scenic volcano last erupted in 650 AD and will likely erupt again somewhere in the future 6dba8a0da7

Ischia: an island 20 kilometres west of Naples, it last erupted in 1302. 6dba8a0da7

Mount Meager massif After this, a lava flow was erupted that repeatedly collapsed on the The Mount Meager massif is a group of volcanic peaks in the Pacific Ranges of the Coast Mountains in southwestern British Columbia, Canada. 3 mi) downstream. Part of the Cascade Volcanic Arc of western North America, it is located 150 km (93 mi) north of Vancouver at the northern end of the Pemberton Valley and reaches a maximum elevation of 2,680 m (8,790 ft). series of pyroclastic flows were erupted and travelled 7 km (4. The massif is capped by several eroded volcanic edifices, including lava domes, volcanic plugs and overlapping piles of lava flows; these form at least six major summits including Mount Meager which is the second highest of the massif 6dba8a0da7

"Campanian volcanic arc" is something of a term of convenience, since the... 6dba8a0da7 The island, with an area of 12.6 square kilometres (4.9 sq mi), represents the upper third of the volcano. Its population was about 500 as of 2016. The volcano has erupted many times and is constantly active with minor eruptions, often visible from many points on the island and from the surrounding sea, giving rise to the island's nickname "Lighthouse of the Mediterranean". 6dba8a0da7 The Garibaldi Volcanic Belt (GVB) has a long history of eruptions and poses a threat to the surrounding region. Any volcanic hazard ranging from landslides to eruptions could pose a significant risk to humans and wildlife. Although the massif has not erupted for more than 2,000 years, it could produce a major eruption; if this were to happen, relief efforts would be quickly organized. Teams such as the Interagency Volcanic Event Notification Plan (IVENP) are prepared to notify people threatened by volcanic eruptions in Canada. 6dba8a0da7 Due to their position within densely populated areas, Etna and Vesuvius have been included in the list of "Volcanoes of the Decade", a global list of volcanoes... 6dba8a0da7 The eruption of Mount Vesuvius in 79 AD destroyed the Roman cities of Pompeii, Herculaneum, Oplontis, Stabiae and other settlements. The eruption ejected a cloud of stones, ash and volcanic gases to a height of 33 km (21 mi), erupting molten rock and pulverised pumice at the rate of 6×105 cubic metres (7.8×105 yd3) per second. More than 1,000 people are thought to have died in the eruption, though the exact toll is unknown. The only surviving witness account consists of two letters by Pliny the Younger to the historian Tacitus. 6dba8a0da7

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