

## Geohistory of Lake Ogawazawa broken by the eruption of Izu Tobu Volcano Group and the mysterious "Red bull" legend

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Geological and historical studies revealed the geographical evolution of the Ogawazawa area, near Ito, northeast Izu Peninsula, and the geohistorical implication of a mysterious legend, which tells about a monster living in a crater lake of Izu Tobu Volcano Group. This gives us a new theme of the Ito geosite, Izu Peninsula Geopark, Japan.

We found lake sediments, which are distributed along the Ogawazawa valley and are directly overlain by the fallout scoria from the Babanotaira-Hachigakubo scoria cones, Izu Tobu Volcano Group. The tephrochronological age of the scoria cones is estimated to be 23,000 years ago. The facies of the fallout scoria show that the depositional environment is subaerial. This means that a fossil lake had suddenly been broken by the eruption of the scoria cones. This geological history strangely coincides with a local legend, which tells us that the "Red Bull", who lives in Lake Ippokiko, one of maars of Izu Tobu Volcano Group, once lived in a lake at Ogawazawa valley, where no lake exists now.

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