

## Quaternary Scientific Programs for School and Lifelong Education of Kikai Island located in the Amami Islands, Japan

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The Amami and Okinawa Islands show active tectonics indicated by uplifted marine terraces consisting mainly of raised coral reefs. Especially, Kikai Island shows a rapid rate in uplift (reaches 1.8 m/ka) due to subduction along the Ryukyu Trench. This study arranges geoscientific contents and produces a geostory for school and lifelong educational programs of Kikai Island. The geostory focuses groundwater springs, limestone caves, uplifted terraces (uppermost surface is 214 m) and coral stones, and highlights geomorphic processes characterized by the most rapid uplift in Japan and a hydrologic cycle in the Quaternary limestone region. This geostory was repeated and practiced in half-day geotour targeting undergraduate students and residents of Kikai including high school students. Their comments suggest the significance and the interest on field observation of local landscape related with a global geoenvironmental system.

Keywords: Quaternary, limestone, geostory, geotour, Kikai Island, Amami Islands