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## Geovisualization of Endemic Malaria in Sakishima Islands in the First Half of the 20th Century:A Case of Iriomote Island

Atsushi Suzuki<sup>1\*</sup>, Yasushi Sakihama<sup>2</sup>

<sup>1</sup>Rissho University, <sup>2</sup>Okinawa International University

In Sakishima islands in the first half of the 20th century, 1000 to 2000 malarial patients were reported in every year. According to the old research findings, there was much endemic malaria in Sakishima islands in the island of continentality or volcanic island, and it was distributed over the area where there is a vertical interval of land and the basin system network progressed.

This research restored the geographical environment of endemic malaria in Sakishima island in the first half of the 20th century combining high resolution DEM, an old edition topographic map, and historical records, and performed consideration from a viewpoint of land use or a settlement form. We studied Iriomote Island where the whole area was almost an existence disease place of the island as an example.

Keywords: Sakishima islands, Endemic Malaria, Geographical Environment, Geovisualization