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The Geological Attraction of Kagoshima Area

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In this poster we present a review about geological set up of Kagoshima, geological setup, its major structural features, and its characteristics. We gathered our data by researching through published literature, hearing from the experts, and fieldwork in the area.

There are four calderas in Kagoshima. There are a lot of pyroclastic flow deposits all around Kagoshima area. We can study and evaluate past events of the volcanic activities through comprehensive study of these deposits. Such as, the Ito pyroclastic flow (SHIRASU) deposits averaging more than 100 m thickness. The size of SHIRASU deposits indicates that the size of Kinko Caldera was more than 250 sq km in diameter. Besides this, most of the plants have been also destroyed due to the devastating pyroclastic flows whose remains can be found even now. Moreover, there are also records/ remains from which we can understand the rise and fall in the elevation of the landform and in the sea surface. We also searched records of the change in past climate of the area.

Finally, we want to evaluate the geological background and structural set up of Kagoshima prefecture by studying geology of the Ryugamizu Formati. In conclusion we would like to present the geological attraction of Kagoshima area.