

Seamless geostory including atmospheric and hydrologic sciences: A case of Daito Islands, Japan

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Seamless geostory and a geoscientific guidebook is developed in Daito Islands (located in Okinawa prefecture), focusing especially on contents of atmospheric and hydrologic sciences. Climate in Daito Islands is strongly controlled by Pacific anticyclone and uplifted atoll forms on Philippine Sea Plate. Landform of Daito Islands shows shallow depression covered by Quaternary coral limestone, which produces specific meteorological and climatological phenomena such as inactive ascending current and cold air pool by strong surface inversion. These atmospheric and hydrologic topics are linked with historical geology in a seamless geostory and a guidebook for geoscientific outreach. In addition, our guidebook includes JMA Minamidaitojima Meteorological Office for interpretation of upper air analysis as an advanced scientific research.

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