

パプアニューギニアのインフラの災害状況

PAPUA NEW GUINEA Geography & Geology



Land Area (km2)	Water Area (km2)	Total Area (km2)	Population (million)	Pop. Density/km2	GDP (PPP) (billion \$)	GDP Per Capita (\$)
452,860	9,980	462,840	6,791,317	15.00	28.02	3,500

Natural Disasters in Papua New Guinea パプアニューギニアの自然災害

Devastated Town by Volcanic Eruption Disaster in 1994

1994年の火山噴火災害で 荒廃した町









Flooded villages along flood plain due to stormwater flood Disaster in 2000

2000年の豪雨による洪 水による氾濫原沿いの洪 水村

Devastated coastal villages by Tsunami Disaster in 1998

1998年に津波災害によっ て荒廃した沿岸村

Landslide blocking National Highway Road due to Earthquake Disaster in 2010

2010年の地震による 土砂崩れによる国道 の閉塞

Natural Disasters in Papua New Guinea

パプアニューギニアの自然災害





Recent
Earthquake
Disaster (7.5)
triggering
landslides on
New Guinea
– February
2018

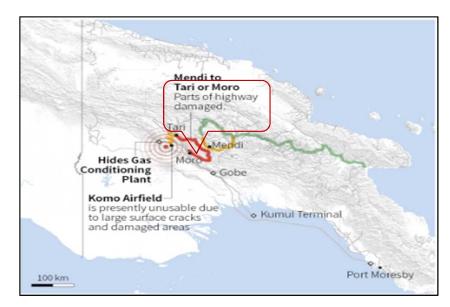
2018年2月 - ニューギニアで地すべりを引き起こす最近の地震災害(7.5)



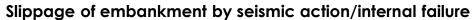


Recent EARTHQUAKE Damages in Southern Highlands Province of PNG, 25th February 2018

2018年2月25日、PNG南部高地地方における最近の地震による被害

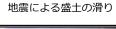








Slippage of embankment by seismic action/internal failure 地震に







地震動・内部破壊による盛土の滑り

Damages caused by HEAVY RAIN along Ramu National Highway in Madang Province, PNG March 2015 2015年3月PNG、マダン州のRamu国道沿いのHEAVY RAINによる被害

Ramu National Sliding embankment by **Highway connecting** inducement of rain/slope failure seven (7) Provinces on the mainland of PNG Deformation of bridge by impact of logs/debris flow Subsidence of embankment by Highway washout/blockage by infiltration flow/internal slippage flash-flood/debris flow 浸透流/内部滑りによる盛土の沈下 NATIONAL PRIORITY ROADS ラッド/土石流による閉塞 Coastal Highway Buka Road OPERATIONS DIVISION ASSET MANAGEMENT BRANCH NATIONAL SIXTEEN (16) PRIORITY ROADS

Natural Disaster Management







- Wash-out bridges by flood along main national highway due to continuous heavy rain over two weeks
- Inspect, estimate temporary bypass access construction cost and report
- Construct temporary bypass road access and open for traffic within two weeks
 - ・週間にわたる豪雨による主要国道沿いの洪水による橋の洗い流し
 - ・一時的な迂回路アクセス建設費用の調査、見積もり
 - ・一時的なバイパス道路アクセスを建設し、2週間以内に通行可能にする