

Time: 1100 s

EARTH MODEL:
Crust 1.0

EARTHQUAKE:
NEW BRITAIN, APR 2015
Mw = 6.7, d = 38.3 km

SEISMIC PERIOD: 10 s

COLOUR: DISP NORM

Simulated with
AxiSEM 3D



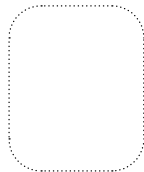
The UK's National Supercomputing Service

Seismic Waves in the Ocean

Seismology - the study of earthquakes and the ground-shaking waves they produce - allows us to explore the interior of our planet, revealing details of its structure and behaviour which are otherwise hidden. One challenge, however, is understanding how the oceans affect the seismic waves which we observe and measure. This video shows such a prediction, simulating the vibrations produced from an earthquake in New Guinea.

Mr Benjamin Fernando (Department of Earth Sciences, University of Oxford)

Image Competition: Video Entry and Overall Winner 2019



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