

Image: Orbital view of coastal flooding in New Zealand

March 21 2014



Credit: NASA - Jeff Schmaltz, LANCE/EOSDIS MODIS Rapid Response Team at NASA GSFC

A powerful storm passed over New Zealand's South Island in March 2014 and brought gale-force winds, torrential rains, and flooding to the city of Christchurch. A total of 74 millimeters (3 inches) of rain fell on March 4-5, according to MetService, New Zealand's national

meteorological service. More than 100 homes flooded and more than 4,000 lost power around the country's third most populous city. Skies had cleared enough by March 6, 2014, for the Moderate Resolution Imaging Spectroradiometer (MODIS) on NASA's Aqua satellite to acquire this image showing the aftermath.

Coastal communities are becoming increasingly vulnerable to the risk of damage and danger from flooding. NASA and NOAA are together launching a new opportunity for citizens to work with us on the very important topic of coastal flooding. This coastal flooding challenge is part of NASA's third International Space Apps Challenge - a two-day global mass collaboration event on April 12-13, 2014. During these two days, citizens around the world are invited to engage directly with NASA to develop awe-inspiring software, hardware, and data visualizations.

Last year's event involved more than 9,000 global participants in 83 locations. This year will introduce more than 60 robust challenges clustered in five themes: asteroids, Earth watch, human spaceflight, robotics, and space technology. The Coastal Inundation In Your Community challenge is one of four climate-related challenges using data provided by NASA, NOAA and EPA.

Provided by NASA Image of the Day

Citation: Image: Orbital view of coastal flooding in New Zealand (2014, March 21) retrieved 4 July 2024 from <https://phys.org/news/2014-03-image-orbital-view-coastal-zealand.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.