

# **Barbados Earthquake February 2014**

## **Event Briefing**

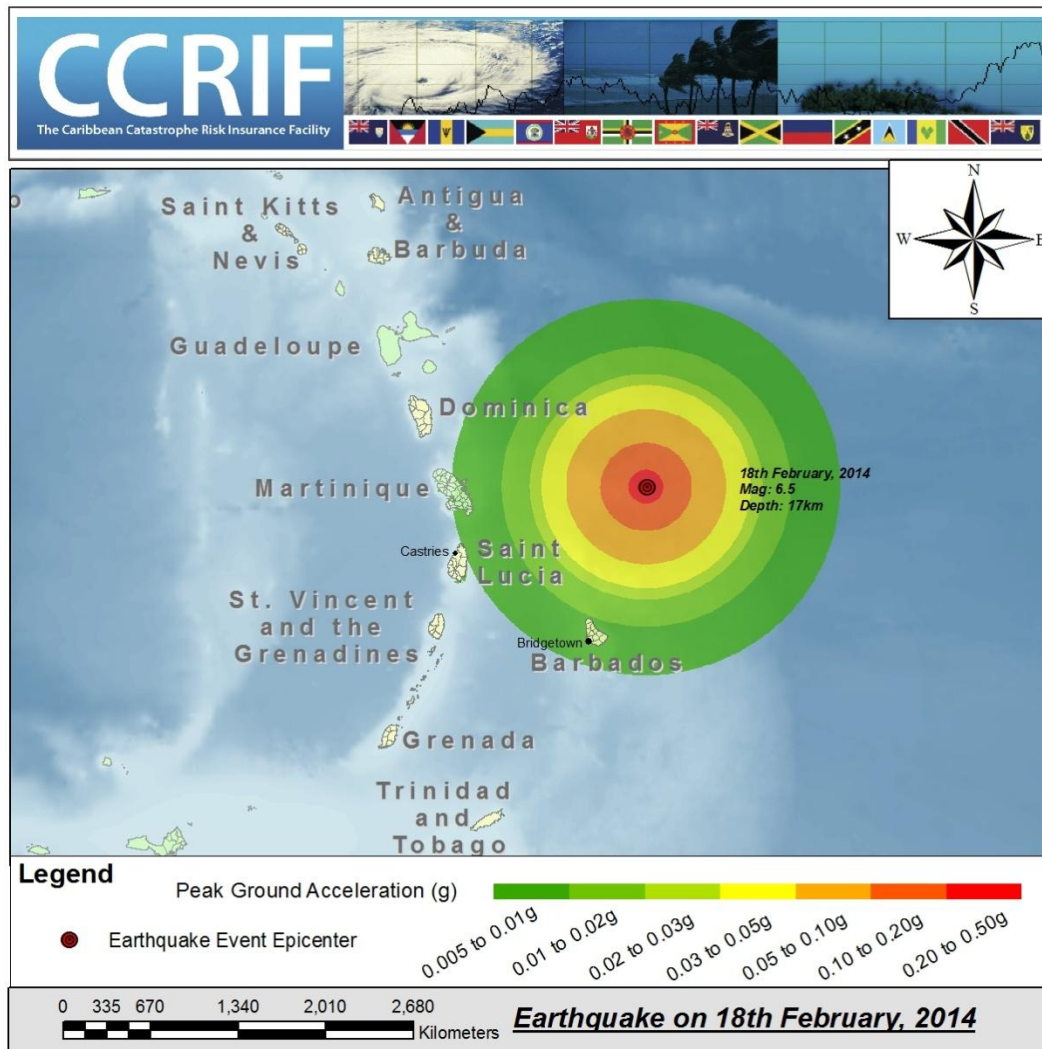
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# 1 INTRODUCTION

A magnitude 6.7 earthquake occurred at 09:27:13 UTC on 18 February 2014 east of Martinique in the Windward Islands region. The epicentre was located approximately 170 km (106 miles) NNE of Bathsheba, Barbados, 186 km (116 miles) NNE of Bridgetown, Barbados, 210 km (130 miles) E of Le Francois, Martinique, 211 km (131 miles) E of Riviere-Pilote, Martinique and 214 km (133 miles) E of Le Robert, Martinique.

Reports from Barbados and Saint Lucia indicate that the shaking intensities ranged from II to IV on the Modified Mercalli Index.



**Figure 1** Map showing the peak ground acceleration following the magnitude 6.7 earthquake on 18 February 2014. *Source: USGS & CCRIF KAC/MPRES*

## **2 CCRIF MODEL OUTPUTS**

Under CCRIF's loss calculation protocol, a CCRIF Multi-Peril Risk Estimation System (MPRES) report is required for any earthquake with a magnitude of 5.0 or greater affecting at least one of the 16 member countries.

## **3 IMPACTS**

Based on the MPRES footprint, the CCRIF member countries affected by the earthquake on 18 February 2014 were Barbados and Saint Lucia. No significant damage was reported from these countries.

These reports are corroborated by preliminary runs of the CCRIF loss model that generated small government losses in the affected countries, which in both cases were below the country's trigger level and therefore no payout is due.