



Pacific Disaster Center
*Area Brief: General
Executive Summary*

HONOLULU
00:28:14
10 Sep 2016

GUAYAQUIL
05:28:14
10 Sep 2016

WASH.D.C.
06:28:14
10 Sep 2016

ZULU
10:28:14
10 Sep 2016

NAIROBI
13:28:14
10 Sep 2016

BANGKOK
17:28:14
10 Sep 2016

Region Selected » Lower Left Latitude/Longitude: -8.582799999999999 N° , -79.9648 E°
Upper Right Latitude/Longitude: -2.582799999999998 N° , -73.9648 E°



Situational Awareness

Additional information and analysis is available for Disaster Management Professionals. If you are a Disaster Management Professional and would like to apply for access, please [register here](#). Validation of registration information may take 24-48 hours.

Current Hazards:

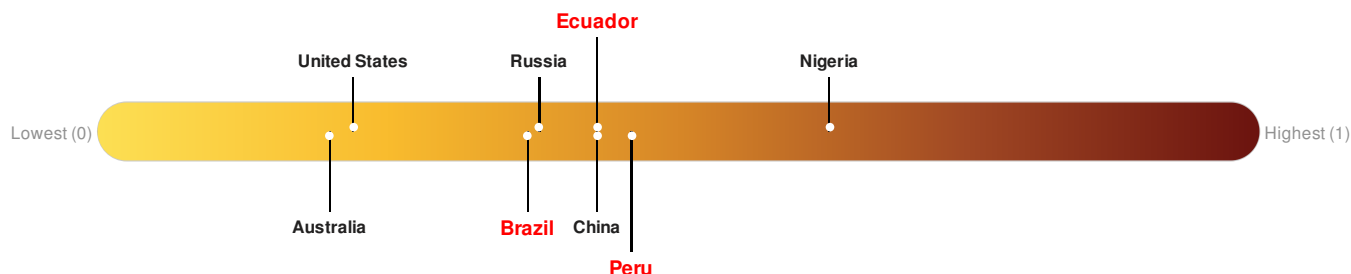
Recent Earthquakes

Event	Severity	Date (UTC)	Magnitude	Depth (km)	Location	Lat/Long
		10-Sep-2016 10:27:41	6	114.44	51km N of Moyobamba, Peru	5.58° S / 76.96° W

Source: [PDC](#)

Lack of Resilience Index:

Lack of Resilience represents the combination of susceptibility to impact and the relative inability to absorb, respond to, and recover from negative impacts that do occur over the short term. **Brazil** ranks 105 out of 165 on the Lack of Resilience index with a score of 0.37. **Ecuador** ranks 82 out of 165 on the Lack of Resilience index with a score of 0.43. **Peru** ranks 64 out of 165 on the Lack of Resilience index with a score of 0.46.



Brazil ranks 105 out of 165 on the Lack of Resilience Index. Based on the sub-component scores related to Vulnerability and Coping Capacity, the three thematic areas with the weakest relative scores are Marginalization, Governance and Infrastructure.

Ecuador ranks 82 out of 165 on the Lack of Resilience Index. Based on the sub-component scores related to Vulnerability and Coping Capacity, the three thematic areas with the weakest relative scores are Governance, Infrastructure and Population Pressures.

Peru ranks 64 out of 165 on the Lack of Resilience Index. Based on the sub-component scores related to Vulnerability and Coping Capacity, the three thematic areas with the weakest relative scores are Recent Disaster Impacts, Infrastructure and Governance.

Source: [PDC](#)

Regional Overview

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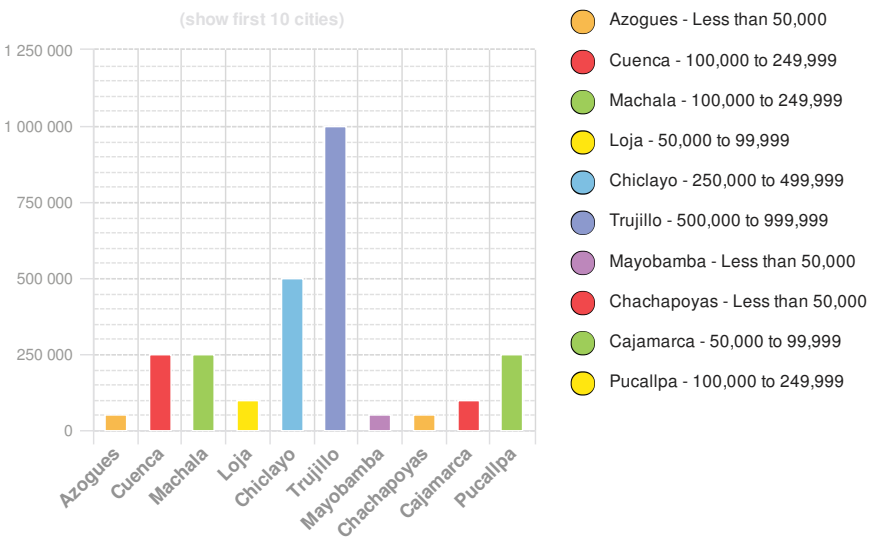
Population Data:

2011

Total: 8, 213, 099
Max Density: 65, 364(ppl/km²)

Source: [iSciences](#)

Populated Areas:



Risk & Vulnerability

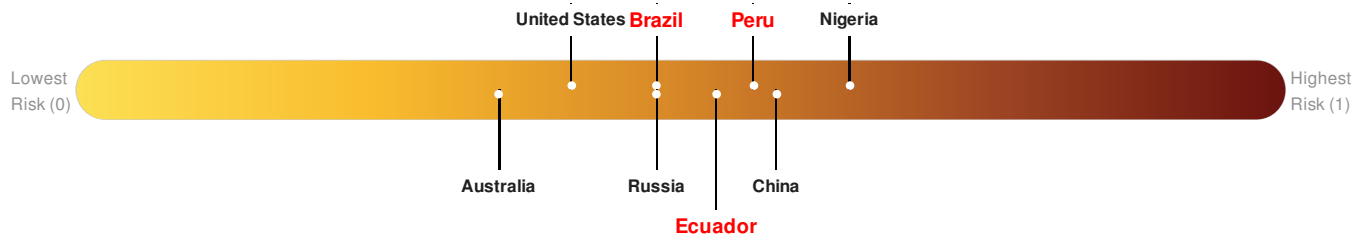
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Multi Hazard Risk Index:

Brazil ranks **89** out of **165** on the Multi-Hazard Risk Index with a score of 0.48. Brazil is estimated to have relatively high overall exposure, low vulnerability, and medium coping capacity.

Ecuador ranks **59** out of **165** on the Multi-Hazard Risk Index with a score of 0.53. Ecuador is estimated to have relatively high overall exposure, medium vulnerability, and medium coping capacity.

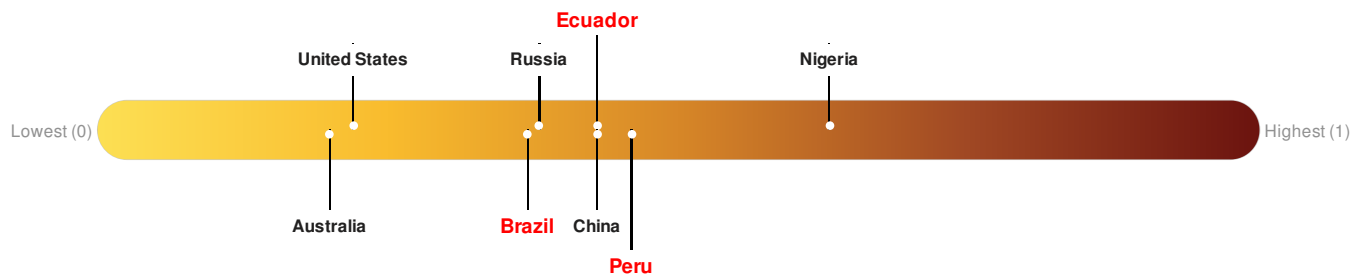
Peru ranks **40** out of **165** on the Multi-Hazard Risk Index with a score of 0.56. Peru is estimated to have relatively high overall exposure, medium vulnerability, and medium coping capacity.



Source: [PDC](#)

Lack of Resilience Index:

Lack of Resilience represents the combination of susceptibility to impact and the relative inability to absorb, respond to, and recover from negative impacts that do occur over the short term. **Brazil** ranks **105** out of **165** on the Lack of Resilience index with a score of 0.37. **Ecuador** ranks **82** out of **165** on the Lack of Resilience index with a score of 0.43. **Peru** ranks **64** out of **165** on the Lack of Resilience index with a score of 0.46.



Brazil ranks **105** out of **165** on the Lack of Resilience Index. Based on the sub-component scores related to Vulnerability and Coping Capacity, the three thematic areas with the weakest relative scores are Marginalization, Governance and Infrastructure.

Ecuador ranks **82** out of **165** on the Lack of Resilience Index. Based on the sub-component scores related to Vulnerability and Coping Capacity, the three thematic areas with the weakest relative scores are Governance, Infrastructure and Population Pressures.

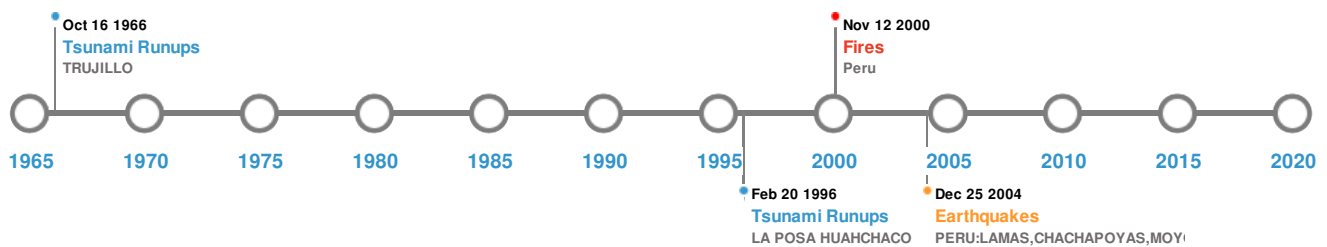
Peru ranks **64** out of **165** on the Lack of Resilience Index. Based on the sub-component scores related to Vulnerability and Coping Capacity, the three thematic areas with the weakest relative scores are Recent Disaster Impacts, Infrastructure and Governance.

Source: [PDC](#)

Historical Hazards

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Historical Hazards:



Earthquakes:

5 Largest Earthquakes (Resulting in significant damage or deaths)

Event	Date (UTC)	Magnitude	Depth (Km)	Location	Lat/Long
	16-Nov-1907 00:10:00	8.70	150	PERU	8.01° S / 76.79° W
	14-Feb-1619 00:16:00	8.60	40	PERU: TRUJILLO, PIURA, SANTA	7.94° S / 79.04° W
	24-Feb-1913 00:02:00	7.70	50	ECUADOR: GONZANAMA, SAN PEDRO, MOLLETURE	3.4° S / 79.6° W
	26-Sep-2005 00:01:00	7.50	115	PERU: LAMAS, CHACHAPOYAS, MOYOBAMBA, TARAPOTA	5.68° S / 76.4° W
	10-Nov-1946 00:17:00	7.30	12	PERU: JOCAIBAMBA,CERRO ANGASCHAJ,CERRO SILLAPATA	8.5° S / 77.5° W

Source: [Earthquakes](#)

Tsunami Runups:

5 Largest Tsunami Runups

Event	Date (UTC)	Country	Runup (m)	Deaths	Location	Lat/Long
	20-Nov-1960 00:00:00	PERU	9	-	PIMENTEL	6.85° S / 79.88° W
	20-Nov-1960 00:00:00	PERU	9	1	PUERTO ETEN	6.93° S / 79.87° W
	10-May-1877 00:00:00	PERU	4	-	TAMBO	7.58° S / 78.7° W

Event	Date (UTC)	Country	Runup (m)	Deaths	Location	Lat/Long
	21-Feb-1996 00:00:00	PERU	3.8	-	LA POSA HUAHCHACO	8.08° S / 79.11° W
	17-Oct-1966 00:00:00	PERU	3	-	TRUJILLO	8.1° S / 79° W

Source: [Tsunamis](#)

Wildfires:

5 Largest Wildfires				
Event	Start/End Date(UTC)	Size (sq. km.)	Location	Mean Lat/Long
	08-Nov-2000 00:00:00 - 13-Nov-2000 00:00:00	8.20	Peru	5.65° S / 78.16° W

Source: [Wildfires](#)

Disclosures

* As defined by the source ([Dartmouth Flood Observatory](#), University of Colorado), Flood Magnitude = LOG(Duration x Severity x Affected Area). Severity classes are based on estimated recurrence intervals and other criteria.

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