



**Region Selected** » Lower Left Latitude/Longitude: -3.667 N° , -81.433 E°  
 Upper Right Latitude/Longitude: 2.333 N° , -75.433 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:

#### Active Volcanoes

Event	Severity	Last Updated (UTC)	Name	Region	Primary Observatory	Activity	More Information	Lat/Long
		11-Jun-2015 00:01:05	Volcano - Cotopaxi, Ecuador	-	-	-	-	0.67° S / 78.43° W
		29-Sep-2009 02:19:50	Volcano - Reventador, Ecuador	-	-	-	-	0.08° S / 77.65° W

Source: [PDC](#)

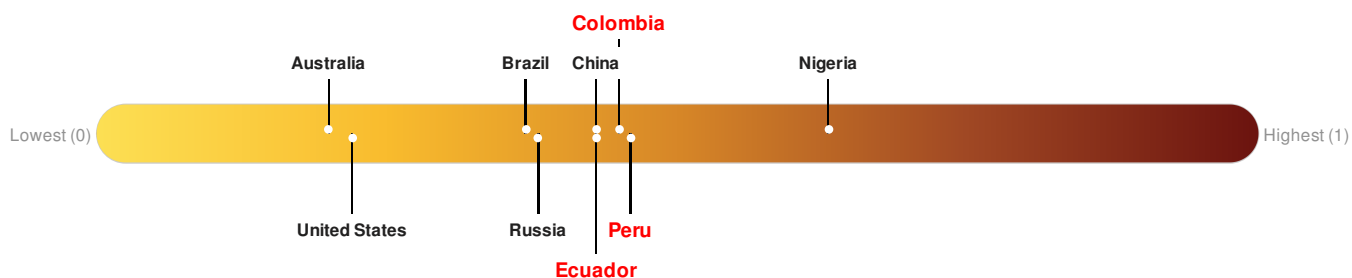
### Lack of Resilience Index:

The Lack of Resilience Index assesses the susceptibility to impact and the short-term inability to absorb, respond to, and recover from disruptions to a country's normal function.

**Colombia** ranks **71** out of **165** countries assessed for Lack of Resilience. Colombia is less resilient than 57% of countries assessed. This indicates that Colombia has medium susceptibility to negative impacts, and is more able to respond to and recover from a disruption to normal function.

**Ecuador** ranks **82** out of **165** countries assessed for Lack of Resilience. Ecuador is less resilient than 51% of countries assessed. This indicates that Ecuador has medium susceptibility to negative impacts, and is more able to respond to and recover from a disruption to normal function.

**Peru** ranks **64** out of **165** countries assessed for Lack of Resilience. Peru is less resilient than 62% of countries assessed. This indicates that Peru has medium susceptibility to negative impacts, and is more able to respond to and recover from a disruption to normal function.



## Regional Overview

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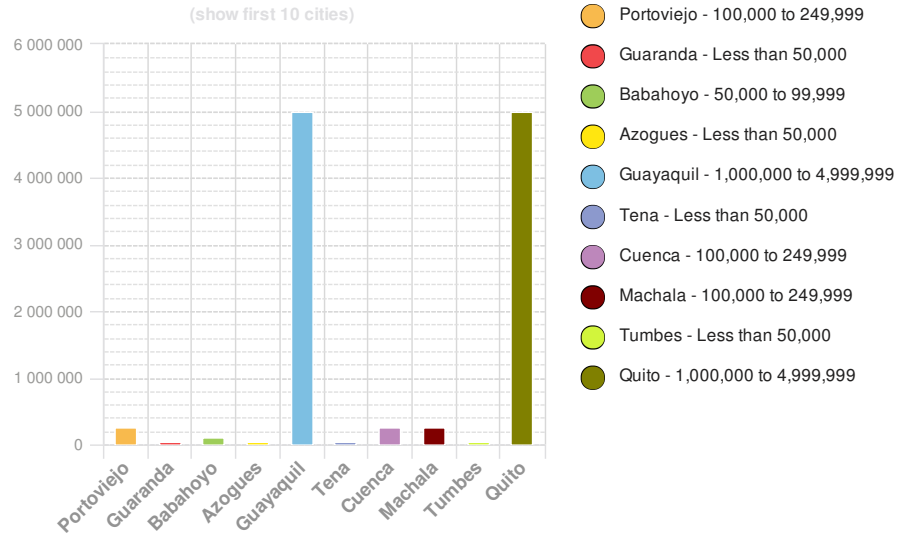
### Population Data:

**2011**

**Total: 16,250,085**  
**Max Density: 53,240 (ppl/km<sup>2</sup>)**

Source: [iSciences](#)

### Populated Areas:



## Risk & Vulnerability

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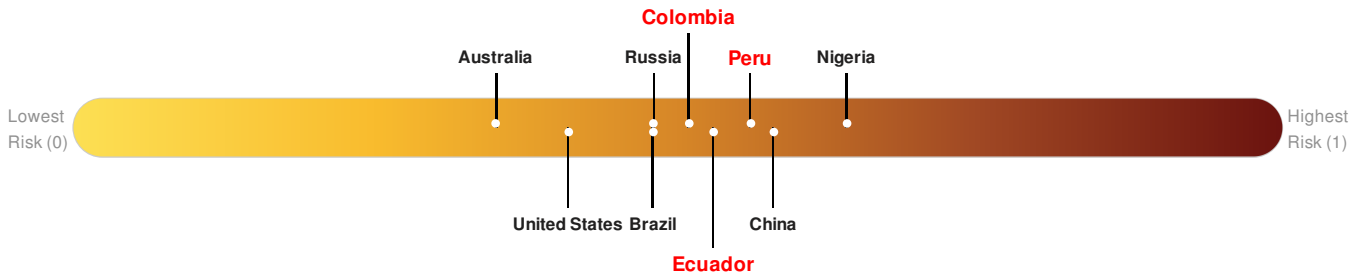
### Multi Hazard Risk Index:

The Multi Hazard Risk index assesses the likelihood of losses or disruptions to a country's normal function due to the interaction between exposure to multiple hazards (tropical cyclone winds, earthquake, flood and tsunamis), socioeconomic vulnerability, and coping capacity

Multi-Hazard Exposure **Colombia** ranks **73** out of **165** countries assessed for Multi Hazard Risk. Colombia has a Multi Hazard Risk higher than 56% of countries assessed. This indicates that Colombia has more likelihood of loss and/or disruption to normal function if exposed to a hazard.

Multi-Hazard Exposure **Ecuador** ranks **59** out of **165** countries assessed for Multi Hazard Risk. Ecuador has a Multi Hazard Risk higher than 65% of countries assessed. This indicates that Ecuador has more likelihood of loss and/or disruption to normal function if exposed to a hazard.

Multi-Hazard Exposure **Peru** ranks **40** out of **165** countries assessed for Multi Hazard Risk. Peru has a Multi Hazard Risk higher than 76% of countries assessed. This indicates that Peru has more likelihood of loss and/or disruption to normal function if exposed to a hazard.



Source: [PDC](#)

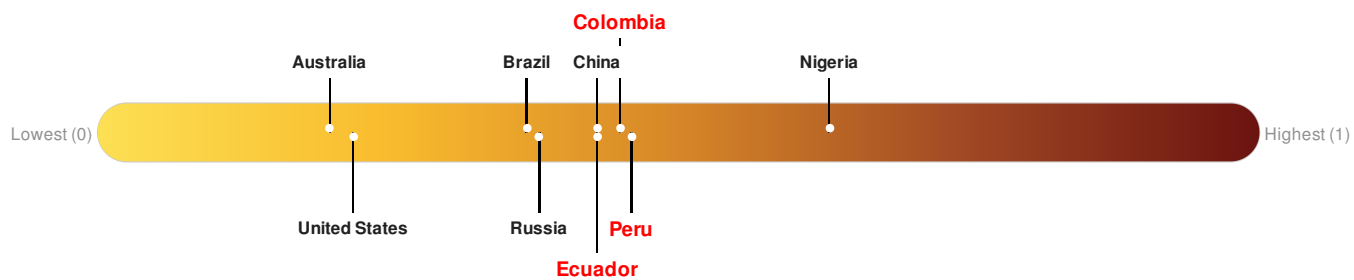
### Lack of Resilience Index:

The Lack of Resilience Index assesses the susceptibility to impact and the short-term inability to absorb, respond to, and recover from disruptions to a country's normal function.

**Colombia** ranks **71** out of **165** countries assessed for Lack of Resilience. Colombia is less resilient than 57% of countries assessed. This indicates that Colombia has medium susceptibility to negative impacts, and is more able to respond to and recover from a disruption to normal function.

**Ecuador** ranks **82** out of **165** countries assessed for Lack of Resilience. Ecuador is less resilient than 51% of countries assessed. This indicates that Ecuador has medium susceptibility to negative impacts, and is more able to respond to and recover from a disruption to normal function.

**Peru** ranks **64** out of **165** countries assessed for Lack of Resilience. Peru is less resilient than 62% of countries assessed. This indicates that Peru has medium susceptibility to negative impacts, and is more able to respond to and recover from a disruption to normal function.

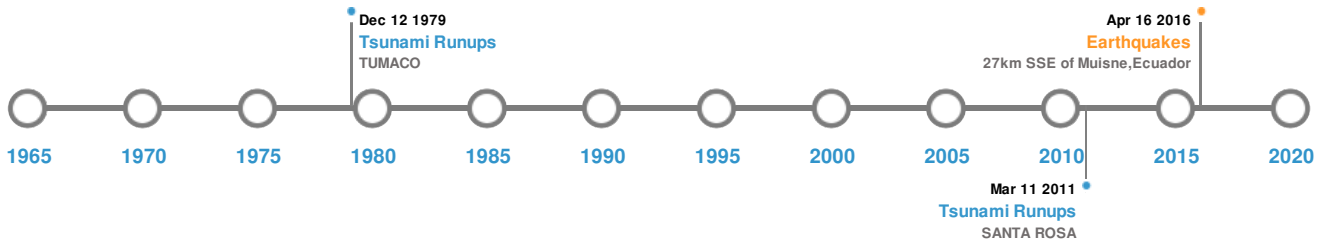


Source: [PDC](#)

## 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
	04-Feb-1797 00:12:00	8.30	-	ECUADOR: RIOBAMBA	1.6° S / 78.6° W
	15-Aug-1868 00:19:00	8.00	-	ECUADOR: EL ANGEL, CONCEPCION	0.81° N / 77.72° W
	28-Sep-1906 00:15:00	7.90	150	ECUADOR	2° S / 79° W
	08-Sep-1575 00:00:00	7.80	-	ECUADOR	0.2° S / 78.6° W
	16-Apr-2016 23:58:37	7.80	19.16	27km SSE of Muisne, Ecuador	0.37° N / 79.94° W

Source: [Earthquakes](#)

### Volcanic Eruptions:

#### 5 Largest Volcanic Eruptions (Last updated in 2000)

Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long
	TUNGURAHUA	05-Apr-1918 00:00:00	4.00	ECUADOR	1.47° S / 78.44° W
	DONA JUANA	13-Nov-1899 00:00:00	4.00	COLOMBIA	1.47° N / 76.92° W

Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long
	TUNGURAHUA	11-Jan-1886 00:00:00	4.00	ECUADOR	1.47° S / 78.44° W
	COTOPAXI	25-Jun-1877 00:00:00	4.00	ECUADOR	0.68° S / 78.44° W
	PURACE	01-Dec-1849 00:00:00	4.00	COLOMBIA	2.3° N / 76.4° W

Source: [Volcanoes](#)

## Tsunami Runups:

### 5 Largest Tsunami Runups

Event	Date (UTC)	Country	Runup (m)	Deaths	Location	Lat/Long
	11-Mar-2011 00:00:00	ECUADOR	-	-	SANTA ROSA	- / -
	31-Jan-1906 16:05:00	COLOMBIA	5	-	TUMACO	1.83° N / 78.73° W
	12-Dec-1979 00:00:00	COLOMBIA	3	36	TUMACO	1.83° N / 78.73° W
	22-May-1960 01:20:00	ECUADOR	1.9	-	LA LIBERTAD	2.23° S / 80.9° W
	04-Nov-1952 10:46:00	ECUADOR	1.89	-	LA LIBERTAD	2.23° S / 80.9° W

Source: [Tsunamis](#)

## 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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