Pacific Disaster Center *Area Brief: General Executive Summary*	HONOLULU 19:47:02 19 Sep 2017	WASH.D.C. 01:47:02 20 Sep 2017	LA PAZ 01:47:02 20 Sep 2017	ZULU 05:47:02 20 Sep 2017	NAIROBI 08:47:02 20 Sep 2017	BANGKOK 12:47:02 20 Sep 2017

Region Selected » Lower Left Latitude/Longitude: -19.2747 N˚ , -74.3157 E˚
Upper Right Latitude/Longitude: -13.2747 N˚ , -68.3157 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:

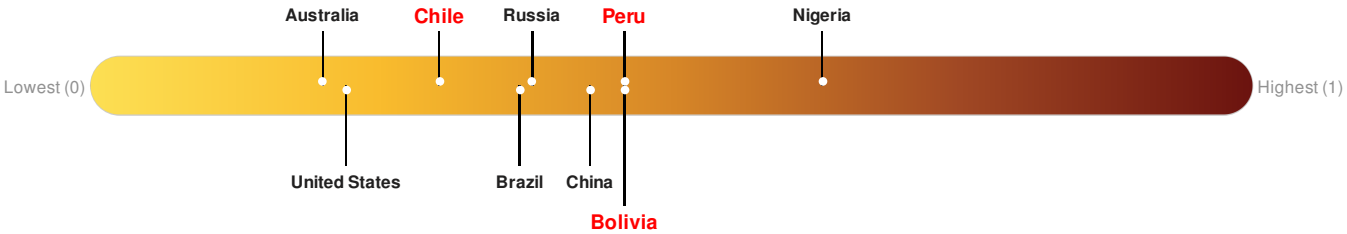
Recent Earthquakes

Event	Severity	Date (UTC)	Magnitude	Depth (km)	Location	Lat/Long
		20-Sep-2017 05:46:38	5.3	92.59	27km ENE of Arequipa, Peru	16.27° S / 71.32° 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. **Bolivia** ranks **64** out of **165** on the Lack of Resilience index with a score of 0.46. **Chile** ranks **127** out of **165** on the Lack of Resilience index with a score of 0.3. **Peru** ranks **64** out of **165** on the Lack of Resilience index with a score of 0.46.



Bolivia 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.

Chile ranks **127** 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 Marginalization.

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Source: PDC

Regional Overview

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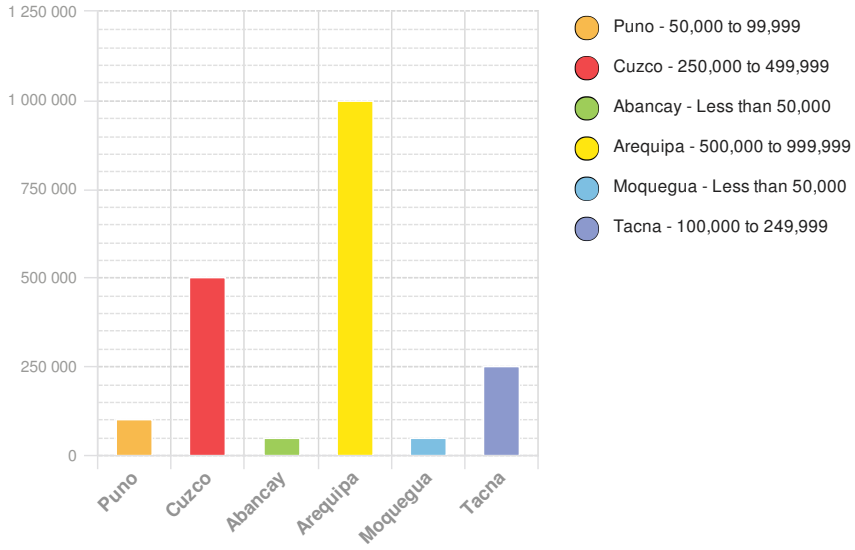
Population Data:

2011

Total: 5, 422, 827
Max Density: 64, 451 (ppl/km^2)

Source: iSciences

Populated Areas:



Risk & Vulnerability

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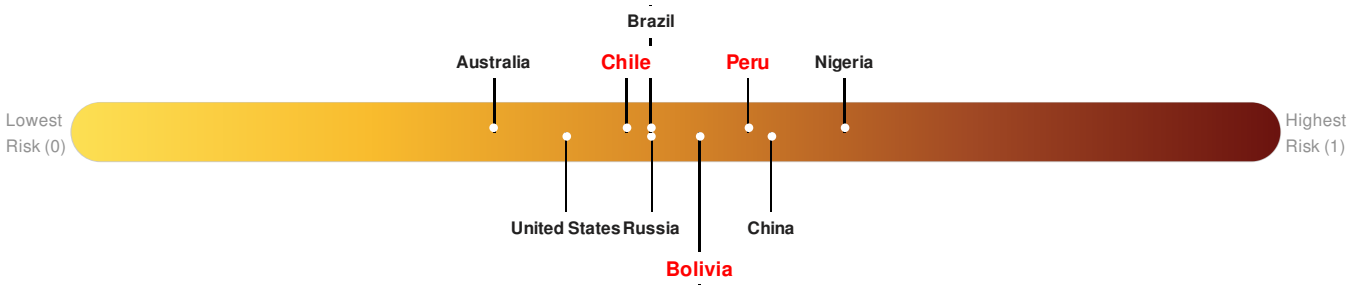
Multi Hazard Risk Index:

Bolivia ranks **66** out of **165** on the Multi-Hazard Risk Index with a score of 0.52. Bolivia is estimated to have relatively high overall exposure, medium vulnerability, and medium coping capacity.

Chile ranks **103** out of **165** on the Multi-Hazard Risk Index with a score of 0.46. Chile is estimated to have relatively high overall exposure, low vulnerability, and high 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

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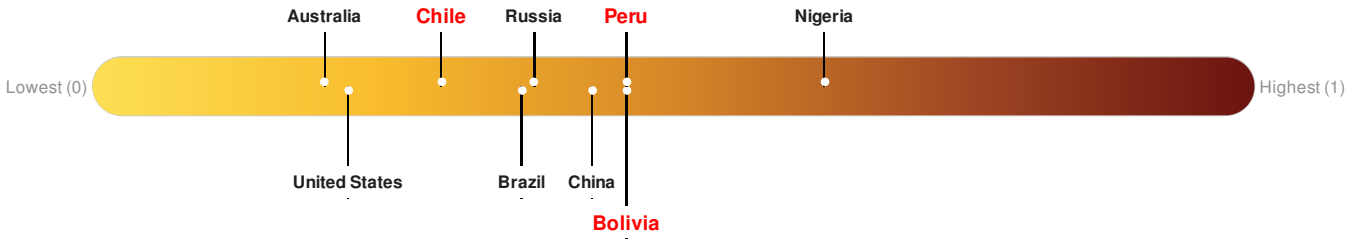

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Source: PDC

Historical Hazards

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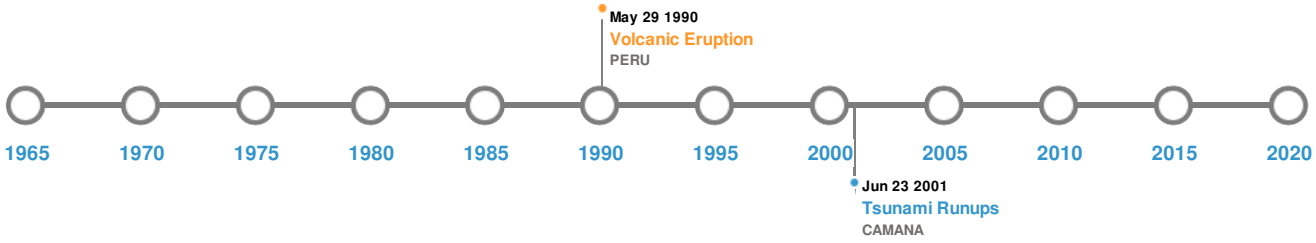

Earthquakes:

5 Largest Earthquakes (Resulting in significant damage or deaths)

Event	Date (UTC)	Magnitude	Depth (Km)	Location	Lat/Long
	06-Feb-1716 00:00:00	8.80	40	PERU: PUEBLO DE TORATA IN TACNA	17.2° S / 71.2° W
	01-Jan-1513 00:00:00	8.70	30	PERU	17.2° S / 72.3° W
	11-Oct-1939 00:14:00	8.60	120	PERU: CHUQUIBAMBA	15.3° S / 72.19° W
	13-Aug-1868 00:21:00	8.50	25	CHILE: ARICA	18.6° S / 71° W
	24-Nov-1604 00:18:00	8.50	30	PERU: AREQUIPA; CHILE: ARICA	17.88° S / 70.94° W

Source: Earthquakes

Volcanic Eruptions:

5 Largest Volcanic Eruptions (Last updated in 2000)

Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long
	HUAYNAPUTINA	19-Feb-1600 00:00:00	4.00	PERU	16.61° S / 70.85° W
	MISTI, EL	01-Jan-1454 00:00:00	4.00	PERU	16.29° S / 71.41° W

Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long
	SABANCAYA	29-May-1990 00:00:00	3.00	PERU	15.8° S / 71.88° W
	TUTUPACA	30-Mar-1802 00:00:00	3.00	PERU	17.02° S / 70.36° W
	UBINAS	01-Jan-1662 00:00:00	3.00	PERU	16.35° S / 70.9° W

Source: Volcanoes

Tsunami Runups:

5 Largest Tsunami Runups

Event	Date (UTC)	Country	Runup (m)	Deaths	Location	Lat/Long
	13-Aug-1868 21:39:00	CHILE	18	-	ARICA	18.47° S / 70.33° W
	13-Aug-1868 00:00:00	PERU	15	30	CHALA	15.85° S / 74.23° W
	13-Aug-1868 00:00:00	PERU	12	-	ISLAY	17° S / 72.1° W
	10-May-1877 01:41:00	CHILE	9	-	ARICA	18.47° S / 70.33° W
	23-Jun-2001 00:00:00	PERU	7	4	CAMANA	16.62° S / 72.71° 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.