Pacific Disaster Center *Area Brief: General Executive Summary*	HONOLULU	WASH.D.C.	LA PAZ	ZULU	NAIROBI	BANGKOK
	21:23:34 24 Mar 2017	03:23:34 25 Mar 2017	03:23:34 25 Mar 2017	07:23:34 25 Mar 2017	10:23:34 25 Mar 2017	14:23:34 25 Mar 2017

Region Selected » Lower Left Latitude/Longitude: -22.8541 N˚ , -72.1105 E˚
Upper Right Latitude/Longitude: -16.8541 N˚ , -66.1105 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:

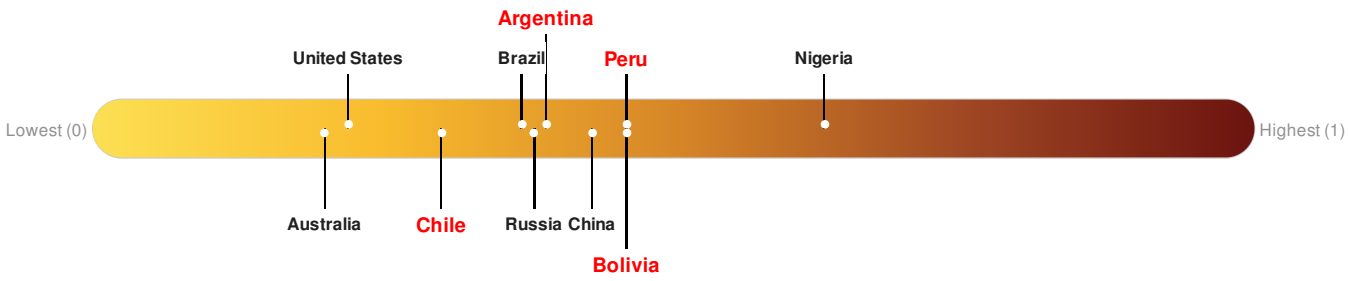
Recent Earthquakes

Event	Severity	Date (UTC)	Magnitude	Depth (km)	Location	Lat/Long
		25-Mar-2017 07:22:27	5	112.56	115km ENE of Iquique, Chile	19.85° S / 69.11° 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. **Argentina** ranks **92** out of **165** on the Lack of Resilience index with a score of 0.39. **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.



Argentina ranks **92** 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 Environmental Capacity, Governance and Marginalization.

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Source: PDC

Regional Overview

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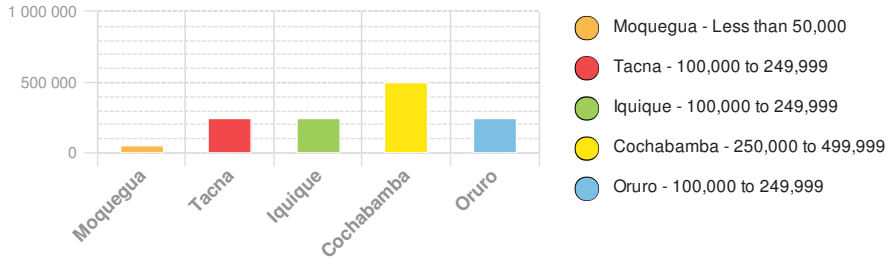
Population Data:

2011

Total: 3, 064, 571
Max Density: 50, 158(ppl/km^2)

Populated Areas:



Source: iSciences

Risk & Vulnerability

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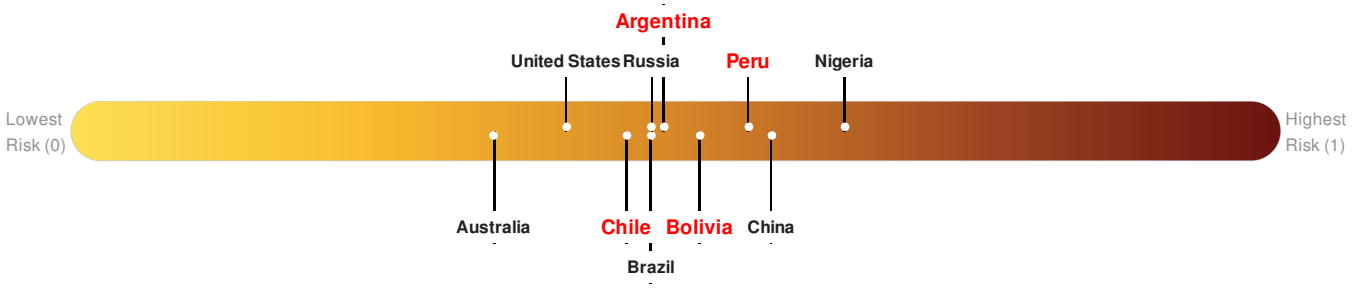
Multi Hazard Risk Index:

Argentina ranks **81** out of **165** on the Multi-Hazard Risk Index with a score of 0.49. Argentina is estimated to have relatively high overall exposure, low vulnerability, and medium coping capacity.

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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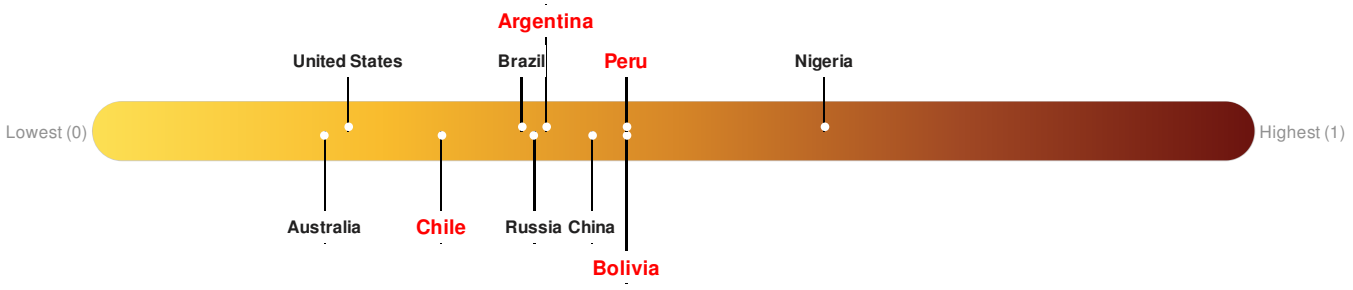

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Source: PDC

Historical Hazards

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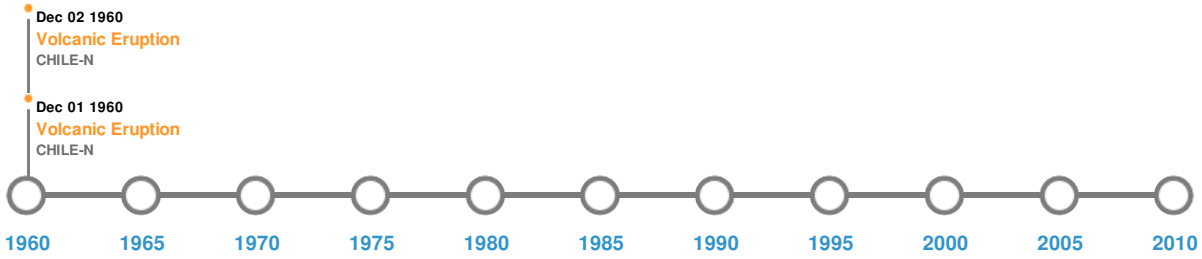

Earthquakes:

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
	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
	10-May-1877 00:00:00	8.30	40	CHILE: OFF NORTH COAST	19.6° S / 70.2° W
	26-Dec-1906 00:06:00	7.90	60	CHILE: OFF NORTH COAST	18° S / 71° W

Source: Earthquakes

Volcanic Eruptions:

5 Largest Volcanic Eruptions (Last updated in 2000)

Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long
	TUTUPACA	30-Mar-1802 00:00:00	3.00	PERU	17.02° S / 70.36° W
	SAN PEDRO	02-Dec-1960 00:00:00	2.00	CHILE-N	21.88° S / 68.4° W

Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long
	GUALLATIRI	01-Dec-1960 00:00:00	2.00	CHILE-N	18.41° S / 69.16° W
	GUALLATIRI	15-Jul-1959 00:00:00	2.00	CHILE-N	18.41° S / 69.16° W
	SAN PEDRO	01-Sep-1911 00:00:00	2.00	CHILE-N	21.88° S / 68.4° W

Source: Volcanoes

Tsunami Runups:

5 Largest Tsunami Runups

Event	Date (UTC)	Country	Runup (m)	Deaths	Location	Lat/Long
	10-May-1877 01:05:00	CHILE	24	-	TOCOPILLA	22.08° S / 70.17° W
	10-May-1877 01:14:00	CHILE	18	-	HUANILLOS	21.2° S / 70.09° W
	13-Aug-1868 21:39:00	CHILE	18	-	ARICA	18.47° S / 70.33° W
	13-Aug-1868 22:00:00	CHILE	12	150	IQUIQUE	20.22° S / 70.17° W
	13-Aug-1868 00:00:00	PERU	12	-	ISLAY	17° S / 72.1° 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.