Pacific Disaster Center *Area Brief: General Executive Summary*	HONOLULU 22:32:57 29 Aug 2016	WASH.D.C. 04:32:57 30 Aug 2016	SANTIAGO 05:32:57 30 Aug 2016	ZULU 08:32:57 30 Aug 2016	NAIROBI 11:32:57 30 Aug 2016	BANGKOK 15:32:57 30 Aug 2016

Region Selected » Lower Left Latitude/Longitude: -37.8983 N˚ , -75.5297 E˚
Upper Right Latitude/Longitude: -31.8983 N˚ , -69.5297 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:

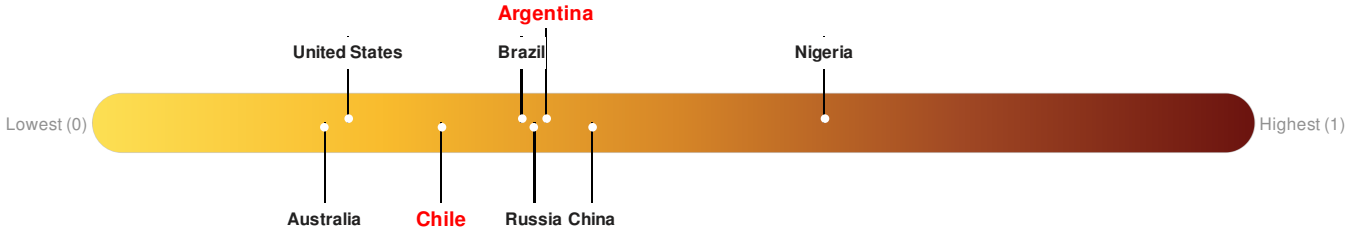
Recent Earthquakes

Event	Severity	Date (UTC)	Magnitude	Depth (km)	Location	Lat/Long
	!	30-Aug-2016 08:32:19	5.5	19.17	49km NNW of Constitucion, Chile	34.9° S / 72.53° 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. **Chile** ranks **127** out of **165** on the Lack of Resilience index with a score of 0.3.



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.

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.

Source: PDC

Regional Overview

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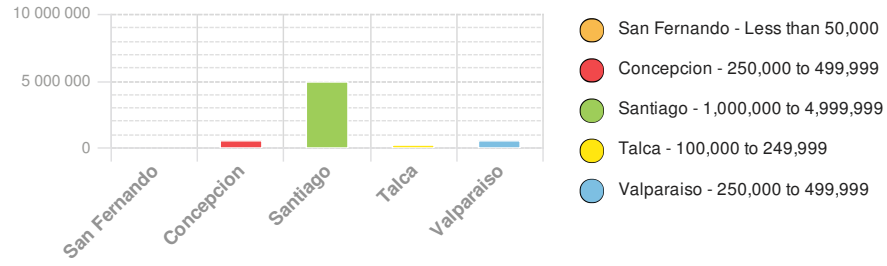
Population Data:

2011

Total: 12, 129, 373
Max Density: 72, 741 (ppl/km^2)

Populated Areas:



Source: iSciences

Risk & Vulnerability

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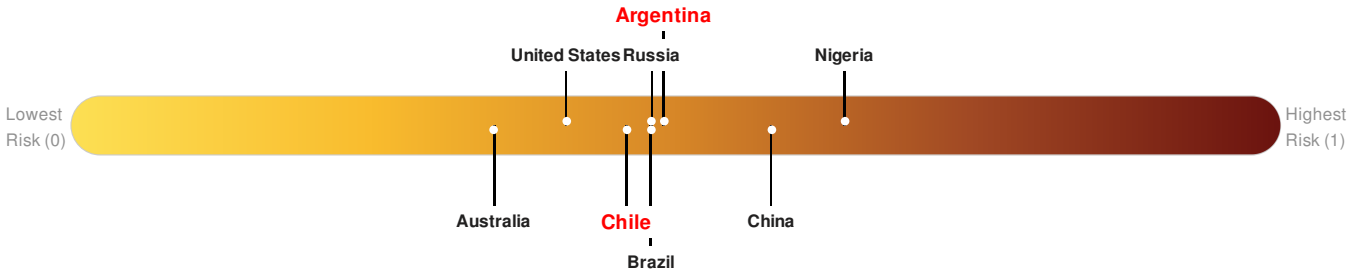
Multi Hazard Risk Index:

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.

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.



Source: PDC

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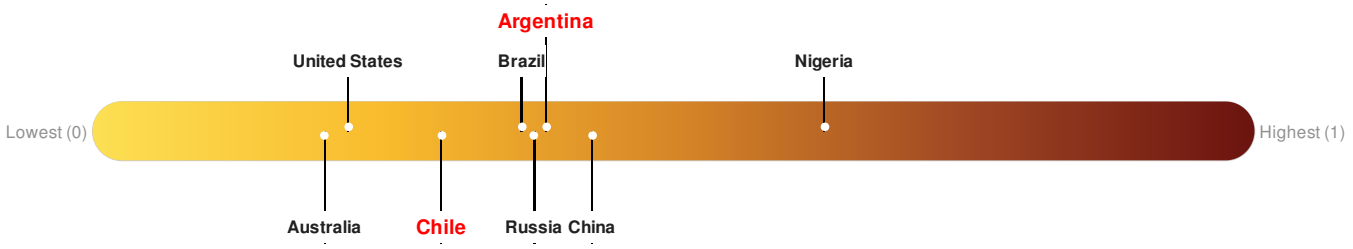

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Source: PDC

Historical Hazards

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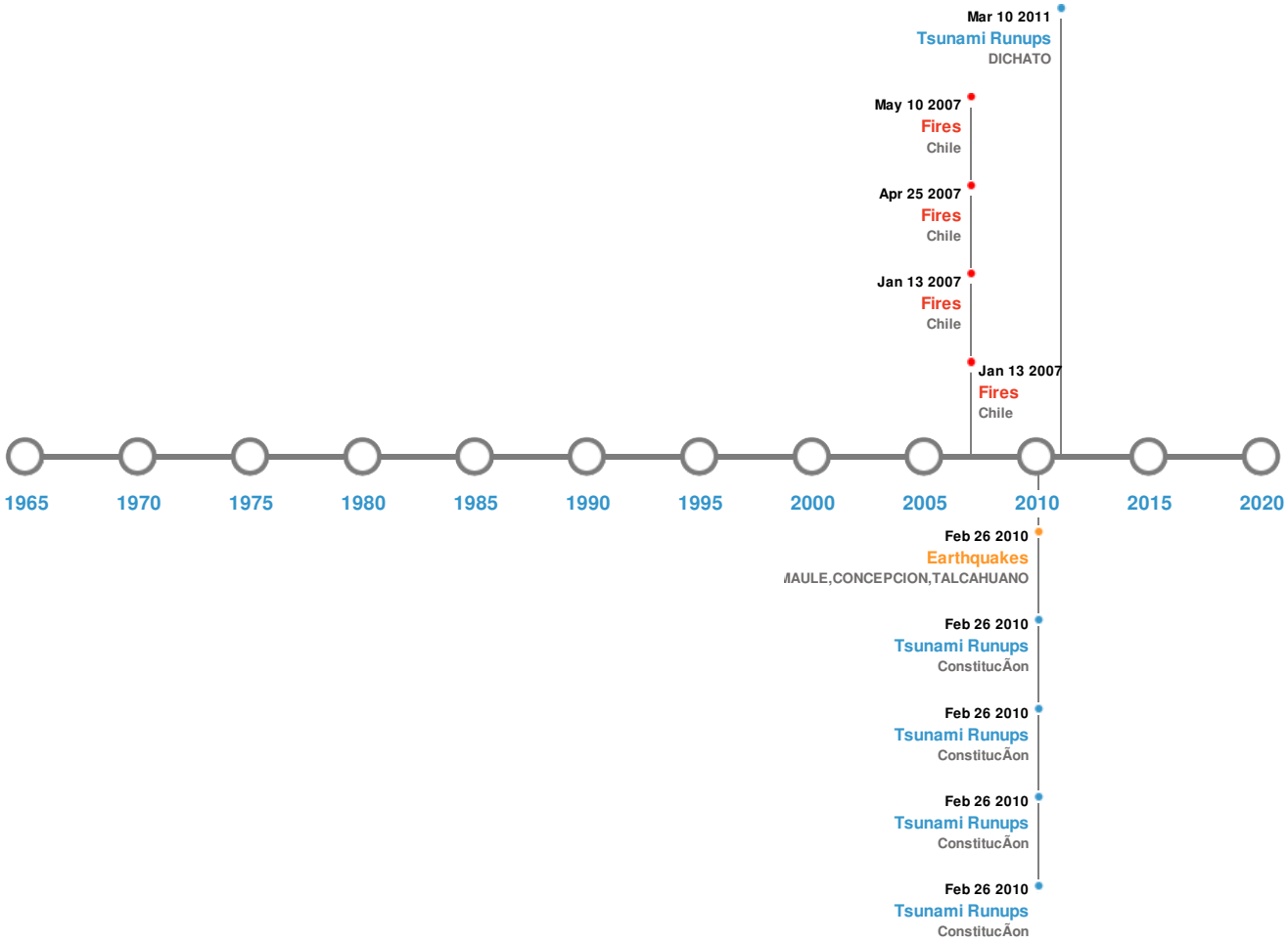
Historical Hazards:



Earthquakes:

5 Largest Earthquakes (Resulting in significant damage or deaths)

Event	Date (UTC)	Magnitude	Depth (Km)	Location	Lat/Long
	27-Feb-2010 00:06:00	8.80	23	CHILE: MAULE, CONCEPCION, TALCAHUANO	36.12° S / 72.9° W
	08-Jul-1730 00:08:00	8.70	-	CHILE: VALPARAISO	32.5° S / 71.5° W
	20-Nov-1822 00:02:00	8.50	-	CHILE: VALPARAISO, QUILLOTA, CONCON, ACONCAGUA	33° S / 71.63° W
	25-May-1751 00:05:00	8.50	-	CHILE: CONCEPCION, CHILLAN, TALCA, TUTUBEN, CURICO	36.83° S / 71.63° W
	25-Mar-1751 00:00:00	8.50	-	CHILE: CONCEPCION	36.9° S / 73° W

Source: Earthquakes

Volcanic Eruptions:

5 Largest Volcanic Eruptions (Last updated in 2000)

Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long
	AZUL, CERRO [QUIZAPU	10-Apr-1932 00:00:00	5.00	CHILE-C	35.65° S / 70.76° W
	PLANCHON-PETEROA	03-Dec-1762 00:00:00	4.00	CHILE-C	35.24° S / 70.57° W
	TUPUNGATITO	01-Jan-1929 00:00:00	3.00	CHILE-C	33.4° S / 69.8° W
	AZUL, CERRO [QUIZAPU	01-Sep-1914 00:00:00	3.00	CHILE-C	35.65° S / 70.76° W
	AZUL, CERRO [QUIZAPU	28-Jul-1907 00:00:00	3.00	CHILE-C	35.65° S / 70.76° 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	CHILE	-	-	DICHATO	- / -
	27-Feb-2010 00:00:00	CHILE	29	-	ConstitucÃon	35.33° S / 72.43° W
	27-Feb-2010 00:00:00	CHILE	28	-	ConstitucÃon	35.33° S / 72.43° W
	27-Feb-2010 00:00:00	CHILE	26.2	-	ConstitucÃon	35.33° S / 72.43° W
	27-Feb-2010 00:00:00	CHILE	24.09	-	ConstitucÃon	35.33° S / 72.43° W

Source: Tsunamis

Wildfires:

5 Largest Wildfires

Event	Start/End Date(UTC)	Size (sq. km.)	Location	Mean Lat/Long
	13-Jan-2007 00:00:00 - 26-Apr-2007 00:00:00	24.70	Chile	37.11° S / 72.86° W
	26-Apr-2006 00:00:00 - 14-Jan-2007 00:00:00	23.60	Chile	37.11° S / 72.86° W
	13-Jan-2007 00:00:00 - 11-May-2007 00:00:00	11.50	Chile	36.48° S / 72.79° W
	29-Apr-2006 00:00:00 - 14-Jan-2007 00:00:00	11.10	Chile	36.47° S / 72.79° 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.