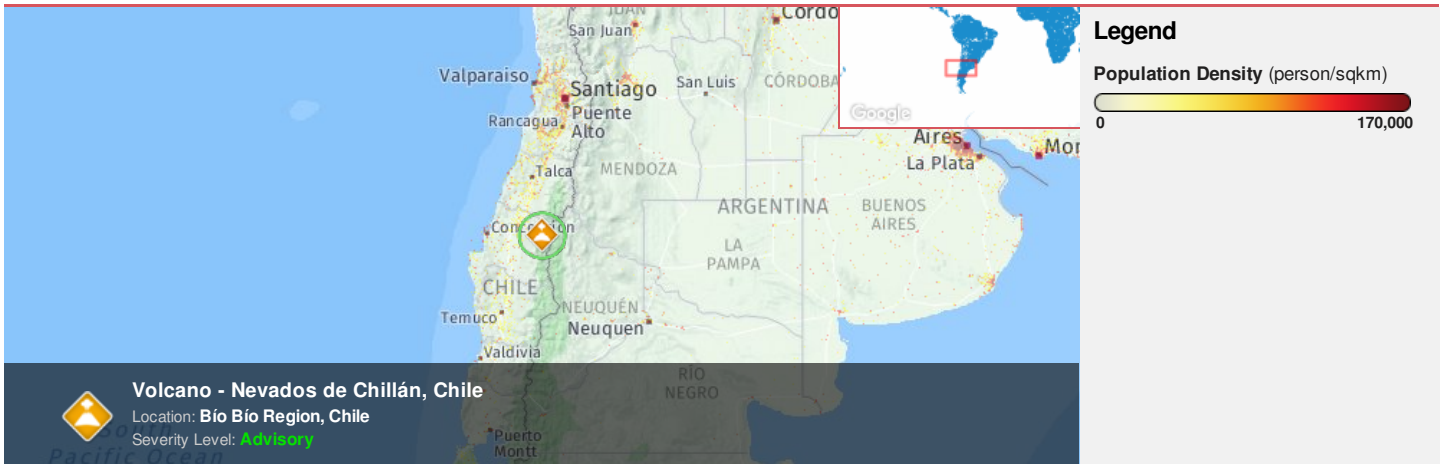
Pacific Disaster Center *Area Brief: General Executive Summary*	HONOLULU 11:06:54 13 Oct 2018	WASH.D.C. 17:06:54 13 Oct 2018	SANTIAGO 18:06:54 13 Oct 2018	ZULU 21:06:54 13 Oct 2018	NAIROBI 00:06:54 14 Oct 2018	BANGKOK 04:06:54 14 Oct 2018

Region Selected » Lower Left Latitude/Longitude: -39.863 N˚ , -74.377 E˚
Upper Right Latitude/Longitude: -33.863 N˚ , -68.377 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
		13-Oct-2018 15:16:54	Volcano - Nevados de Chillán, Chile	-	-	-	-	36.86° S / 71.38° W

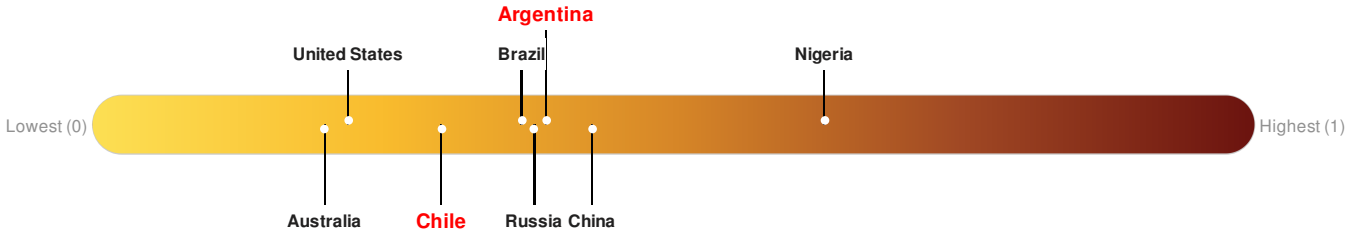
Source: PDC

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.

Argentina ranks **92** out of **164** countries assessed for Lack of Resilience. Argentina is less resilient than 44% of countries assessed. This indicates that Argentina has low susceptibility to negative impacts, and is better able to respond to and recover from a disruption to normal function.

Chile ranks **127** out of **164** countries assessed for Lack of Resilience. Chile is less resilient than 23% of countries assessed. This indicates that Chile has low susceptibility to negative impacts, and is better able to respond to and recover from a disruption to normal function.



Source: PDC

Regional Overview

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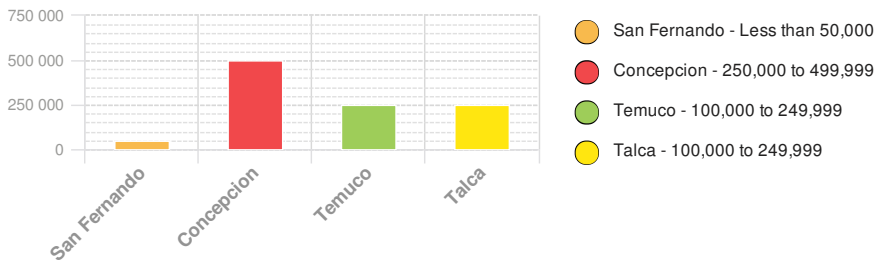
Population Data:

2011

Total: 5, 348, 000
Max Density: 52, 743(ppl/km^2)

Populated Areas:



Source: iSciences

Risk & Vulnerability

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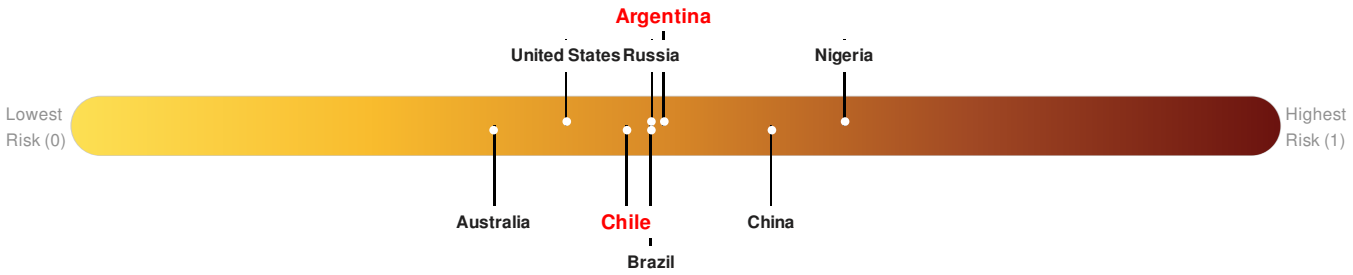
Multi Hazard Risk Index:

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 tsunami), socioeconomic vulnerability, and coping capacity

Argentina ranks **49** out of **164** countries assessed for Multi Hazard Risk. Argentina has a Multi Hazard Risk higher than 51% of countries assessed. This indicates that Argentina has a medium likelihood of loss and/or disruption to normal function if exposed to a hazard.

Chile ranks **62** out of **164** countries assessed for Multi Hazard Risk. Chile has a Multi Hazard Risk higher than 38% of countries assessed. This indicates that Chile has a medium likelihood of loss and/or disruption to normal function if exposed to a hazard.



Source: PDC

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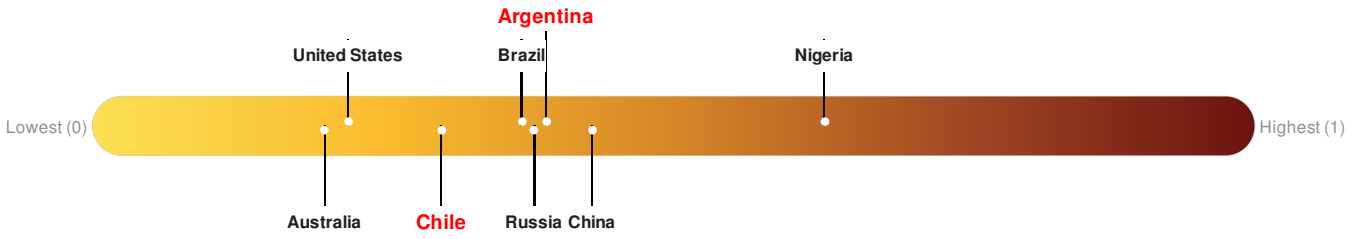

Source: PDC

Historical Hazards

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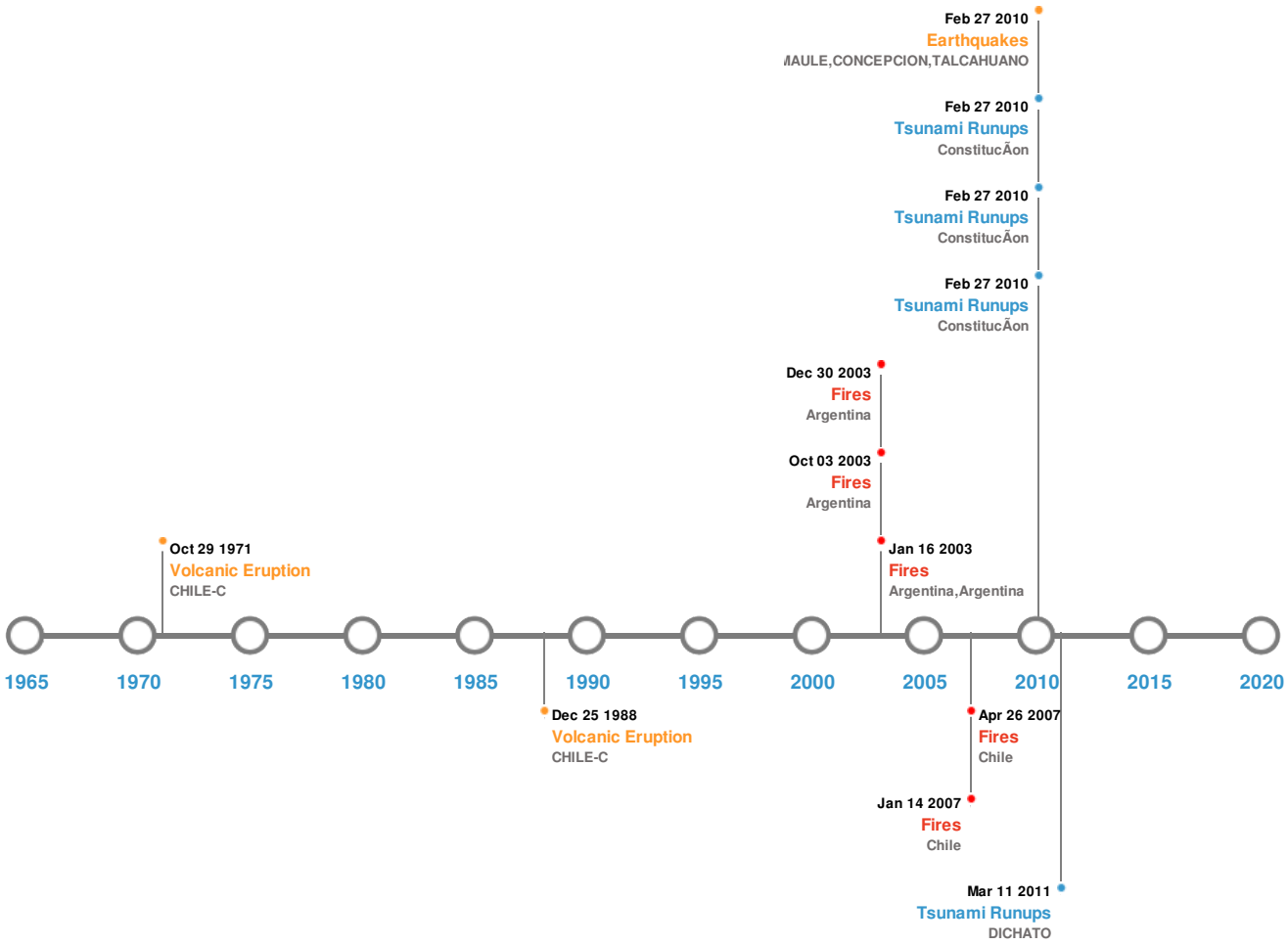
Historical Hazards:



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
	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
	16-Dec-1575 00:18:00	8.50	-	CHILE: VALDIVIA	39.8° S / 73.2° W
	25-Jan-1939 00:03:00	8.30	60	CHILE: CHILLAN	36.25° S / 72.25° 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
	LLAIMA	01-Feb-1640 00:00:00	4.00	CHILE-C	38.7° S / 71.7° W
	LONQUIMAY	25-Dec-1988 00:00:00	3.00	CHILE-C	38.37° S / 71.58° W
	VILLARRICA	29-Oct-1971 00:00:00	3.00	CHILE-C	39.42° S / 71.95° 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
	22-May-1960 00:00:00	CHILE	25	-	MOCHA, ISLA	38.37° S / 73.93° 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
	01-Oct-2003 00:00:00 - 03-Oct-2003 00:00:00	21.30	Argentina	35.88° S / 68.32° W
	02-Mar-2003 00:00:00 - 30-Dec-2003 00:00:00	11.90	Argentina	35.45° S / 68.52° W
	14-Jan-2003 00:00:00 - 16-Jan-2003 00:00:00	11.70	Argentina,Argentina	36.39° S / 68.83° 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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