



Pacific Disaster Center
*Area Brief: General
Executive Summary*

HONOLULU
03:13:41
19 Mar 2018

WASH.D.C.
09:13:41
19 Mar 2018

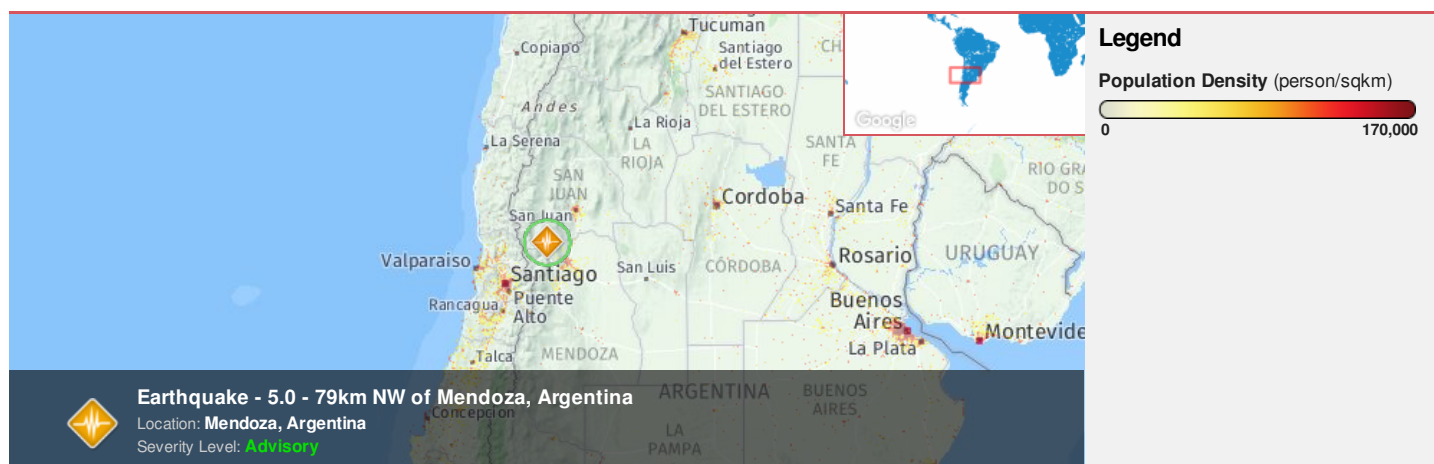
ARGENTINA/MENDOZA
10:13:41
19 Mar 2018

ZULU
13:13:41
19 Mar 2018

NAIROBI
16:13:41
19 Mar 2018

BANGKOK
20:13:41
19 Mar 2018

Region Selected » Lower Left Latitude/Longitude: -35.3838 N° , -72.4263 E°
Upper Right Latitude/Longitude: -29.3838 N° , -66.4263 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
		19-Mar-2018 13:13:15	5	114	79km NW of Mendoza, Argentina	32.38° S / 69.43° W

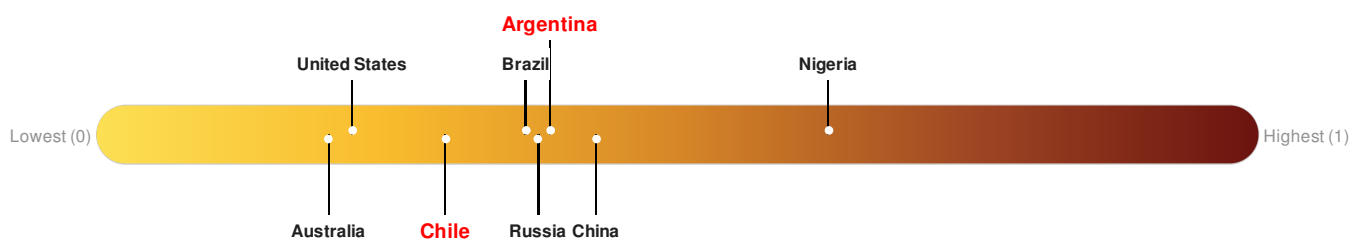
Source: [PDC](#)

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 **165** countries assessed for Lack of Resilience. Argentina is less resilient than 45% of countries assessed. This indicates that Argentina has low susceptibility to negative impacts, and is less able to respond to and recover from a disruption to normal function.

Chile ranks **127** out of **165** countries assessed for Lack of Resilience. Chile is less resilient than 24% of countries assessed. This indicates that Chile has low susceptibility to negative impacts, and is less able to respond to and recover from a disruption to normal function.



Source: [PDC](#)

Regional Overview

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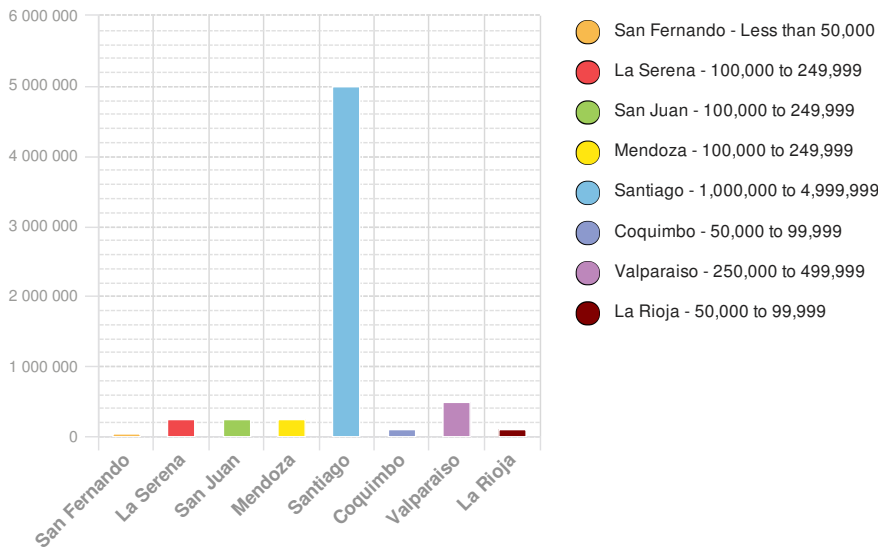
Population Data:

2011

Total: 12, 700, 193
Max Density: 72, 741 (ppl/km²)

Source: [iSciences](#)

Populated Areas:



Risk & Vulnerability

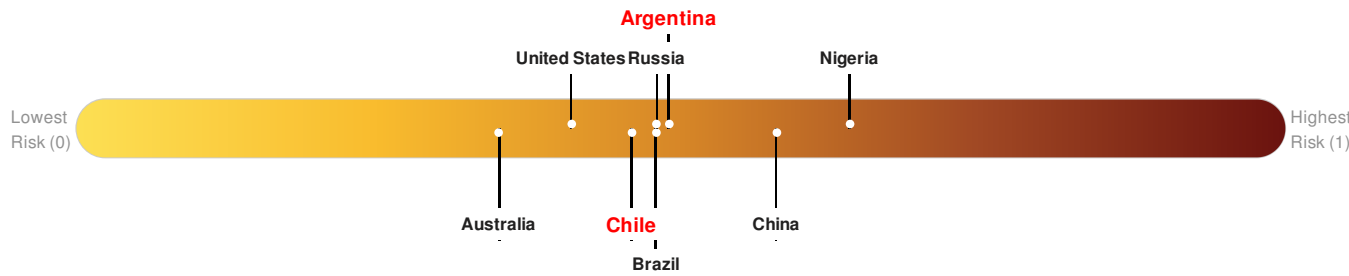
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Multi Hazard Risk Index:

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 tsunامي), socioeconomic vulnerability, and coping capacity

Multi-Hazard Exposure **Argentina** ranks **81** out of **165** countries assessed for Multi Hazard Risk. Argentina has a Multi Hazard Risk higher than 51% of countries assessed. This indicates that Argentina has more likelihood of loss and/or disruption to normal function if exposed to a hazard.

Multi-Hazard Exposure **Chile** ranks **103** out of **165** countries assessed for Multi Hazard Risk. Chile has a Multi Hazard Risk higher than 38% of countries assessed. This indicates that Chile has less likelihood of loss and/or disruption to normal function if exposed to a hazard.



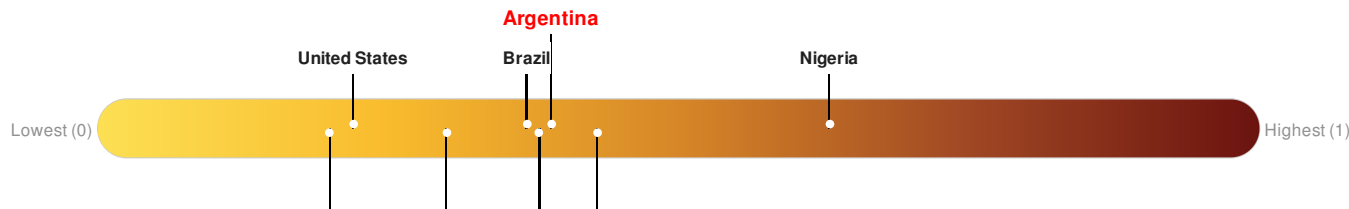
Source: [PDC](#)

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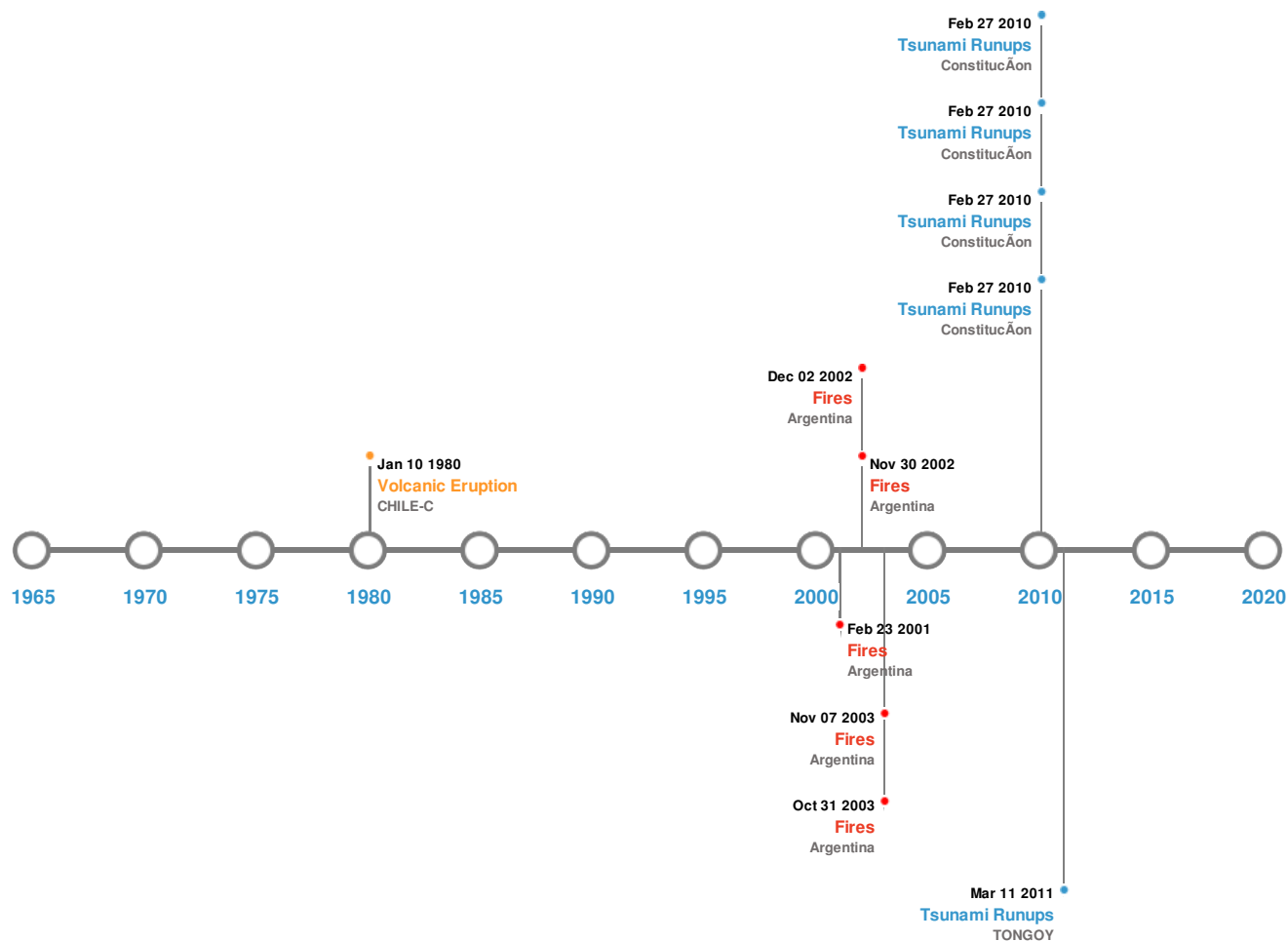
Australia Chile Russia China

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
	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
	14-May-1647 00:02:00	8.50	-	CHILE: SANTIAGO	33.4° S / 70.6° W
	06-Apr-1943 00:16:00	8.20	60	CHILE: ILLAPEL	30.75° S / 72° W
	17-Aug-1906 00:00:00	8.20	25	CHILE: SOUTH CENTRAL	33° S / 72° W

Source: [Earthquakes](#)

Volcanic Eruptions:

5 Largest Volcanic Eruptions (Last updated in 2000)

Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long
	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
	PLANCHON-PETEROA	01-Jan-1660 00:00:00	3.00	CHILE-C	35.24° S / 70.57° W
	TUPUNGATITO	10-Jan-1980 00:00:00	2.00	CHILE-C	33.4° S / 69.8° W
	TUPUNGATITO	03-Aug-1964 00:00:00	2.00	CHILE-C	33.4° S / 69.8° 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	-	-	TONGOY	- / -
	27-Feb-2010 00:00:00	CHILE	29	-	Constituc��on	35.33° S / 72.43° W
	27-Feb-2010 00:00:00	CHILE	26.2	-	Constituc��on	35.33° S / 72.43° W
	27-Feb-2010 00:00:00	CHILE	24.09	-	Constituc��on	35.33° S / 72.43° W
	27-Feb-2010 00:00:00	CHILE	23.2	-	Constituc��on	35.33° S / 72.43° W

Source: [Tsunamis](#)

Wildfires:

5 Largest Wildfires

Event	Start/End Date(UTC)	Size (sq. km.)	Location	Mean Lat/Long
	17-Jun-2002 00:00:00 - 02-Dec-2002 00:00:00	80.00	Argentina	33.9° S / 66.59° W
	06-Nov-2003 00:00:00 - 07-Nov-2003 00:00:00	77.40	Argentina	34.48° S / 66.39° W
	18-Nov-2002 00:00:00 - 30-Nov-2002 00:00:00	52.60	Argentina	34.68° S / 67.53° W
	09-Feb-2001 00:00:00 - 23-Feb-2001 00:00:00	45.50	Argentina	33.74° S / 66.4° W
	23-Feb-2003 00:00:00 - 09-Nov-2003 00:00:00	44.30	Argentina	34.49° S / 66.69° W

Source: [Wildfires](#)

Disclosures

* As defined by the source ([Dartmouth Flood Observatory](#), University of Colorado), Flood Magnitude = $\text{LOG}(\text{Duration} \times \text{Severity} \times \text{Affected Area})$. Severity classes are based on estimated recurrence intervals and other criteria.

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