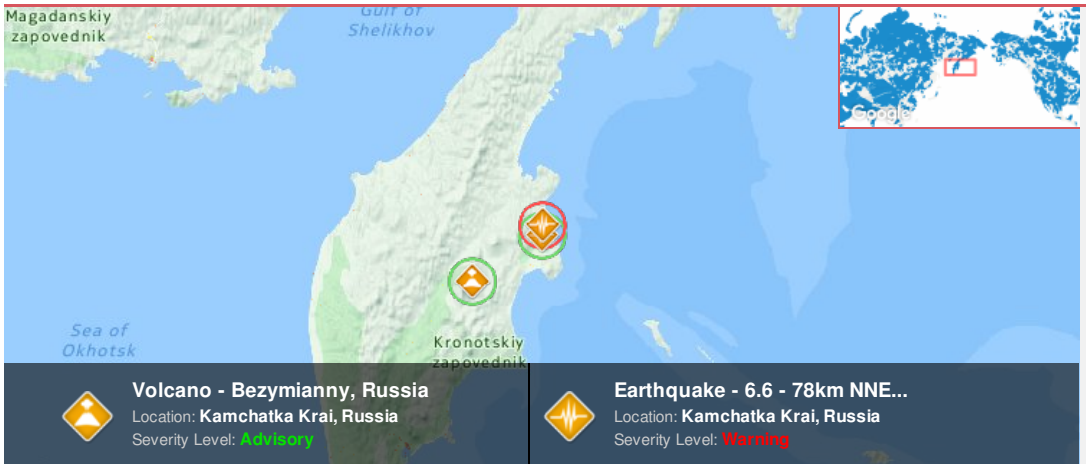
Pacific Disaster Center *Area Brief: General Executive Summary*	HONOLULU	WASH.D.C.	ZULU	NAIROBI	BANGKOK	KAMCHATKA
	12:11:10 31 Mar 2017	18:11:10 31 Mar 2017	22:11:10 31 Mar 2017	01:11:10 01 Apr 2017	05:11:10 01 Apr 2017	10:11:10 01 Apr 2017

Region Selected » Lower Left Latitude/Longitude: 53.7516 N˚ , 159.7252 E˚
Upper Right Latitude/Longitude: 59.7516 N˚ , 165.7252 E˚



Legend

Population Density (person/sqkm)

0 — 170,000

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-Mar-2017 21:44:33	5.1	31.09	60km NNE of Ust'-Kamchatsk Staryy, Russia	56.75° N / 162.73° E
		29-Mar-2017 04:20:47	6.6	22.83	78km NNE of Ust'-Kamchatsk Staryy, Russia	56.92° N / 162.73° E

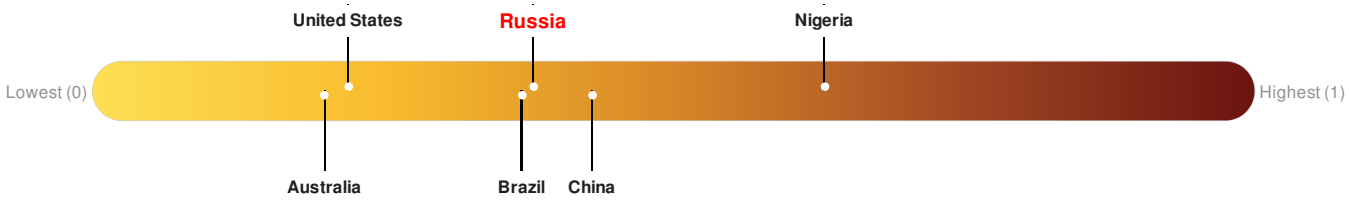
Active Volcanoes

Event	Severity	Last Updated (UTC)	Name	Region	Primary Observatory	Activity	More Information	Lat/Long
		24-Dec-2009 00:04:13	Volcano - Bezymianny, Russia	Russia	Kamchatka Volcanic Eruption Response Team	New Activity	more info	55.97° N / 160.59° E

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. **Russia** ranks **99** out of **165** on the Lack of Resilience index with a score of 0.38.



Russia ranks **99** 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 Governance, Marginalization and Environmental Capacity.

Source: PDC

Regional Overview

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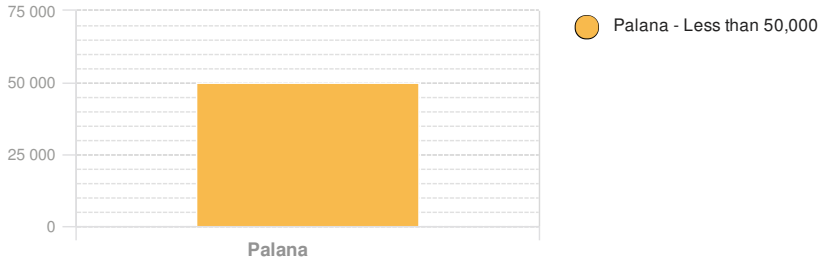
Population Data:

2011

Total: 24, 331
Max Density: 468(ppl/km^2)

Populated Areas:



Source: iSciences

Risk & Vulnerability

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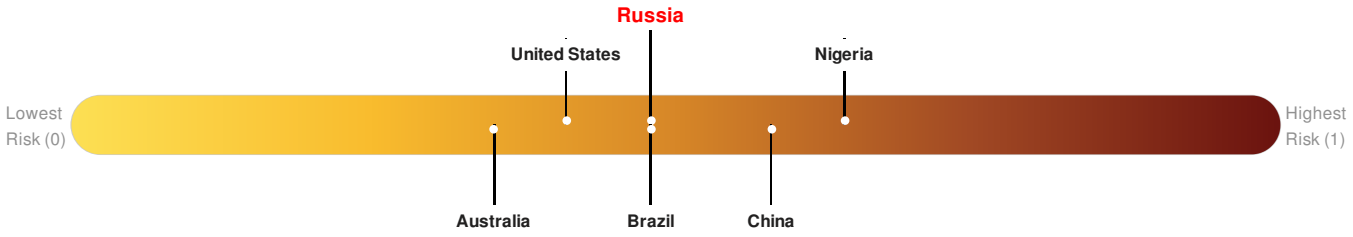
Multi Hazard Risk Index:

Russia ranks **89** out of **165** on the Multi-Hazard Risk Index with a score of 0.48. Russia is estimated to have relatively high overall exposure, low vulnerability, and medium coping capacity.



Source: PDC

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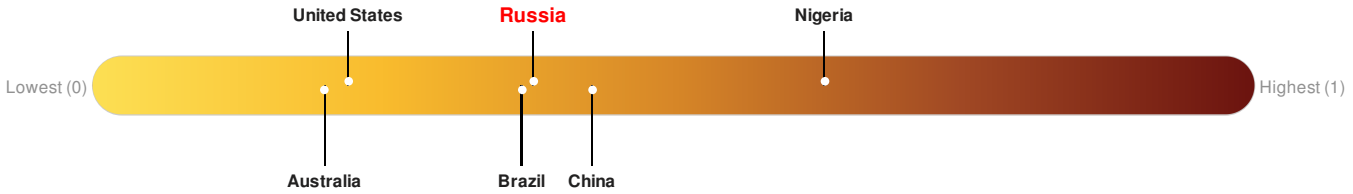

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Source: PDC

Historical Hazards

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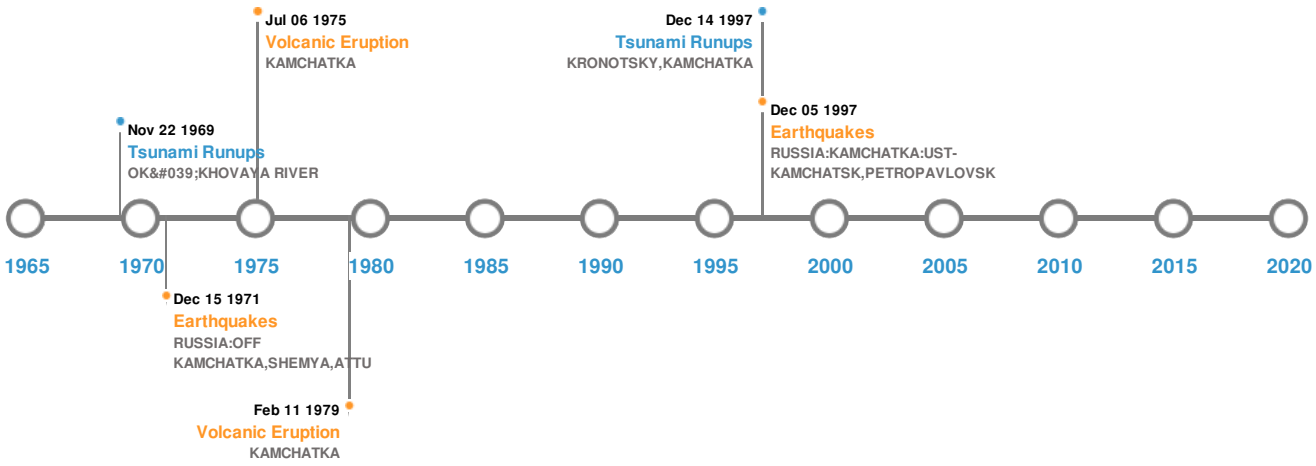
Historical Hazards:



Earthquakes:

5 Largest Earthquakes (Resulting in significant damage or deaths)

Event	Date (UTC)	Magnitude	Depth (Km)	Location	Lat/Long
	22-Aug-1792 00:18:00	8.40	40	RUSSIA: NEAR KAMCHATKA	54° N / 162° E
	03-Feb-1923 00:16:00	8.30	19	RUSSIA: KAMCHATKA	54° N / 161° E
	05-Dec-1997 00:11:00	7.80	33	RUSSIA: KAMCHATKA: UST-KAMCHATSK, PETROPAVLOVSK	54.84° N / 162.04° E
	15-Dec-1971 00:08:00	7.80	33	RUSSIA: OFF KAMCHATKA, SHEMYA, ATTU	56° N / 163.3° E
	30-Jan-1917 00:02:00	7.80	40	RUSSIA: KAMCHATKA	56.5° N / 163° E

Source: Earthquakes

Volcanic Eruptions:

5 Largest Volcanic Eruptions (Last updated in 2000)

Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long
	BEZYMIANNY	30-Mar-1956 00:00:00	5.00	KAMCHATKA	55.97° N / 160.6° E
	SHIVELUCH	18-Feb-1854 00:00:00	5.00	KAMCHATKA	56.65° N / 161.35° E

Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long
	BEZYMIANNY	11-Feb-1979 00:00:00	4.00	KAMCHATKA	55.97° N / 160.6° E
	TOLBACHIK	06-Jul-1975 00:00:00	4.00	KAMCHATKA	55.83° N / 160.33° E
	SHIVELUCH	12-Nov-1964 00:00:00	4.00	KAMCHATKA	56.65° N / 161.35° E

Source: Volcanoes

Tsunami Runups:

5 Largest Tsunami Runups

Event	Date (UTC)	Country	Runup (m)	Deaths	Location	Lat/Long
	13-Apr-1923 00:00:00	RUSSIA	20	18	UST'KAMCHATSK, KAMCHATKA	56.24° N / 162.52° E
	22-Nov-1969 23:25:00	RUSSIA	15	-	OK'KHOVAYA RIVER	57° N / 162.8° E
	04-Nov-1952 17:40:00	RUSSIA	13	-	OLGA BAY, KAMCHATKA	54.58° N / 161° E
	13-Nov-1936 00:00:00	RUSSIA	13	-	UST'KAMCHATSK, KAMCHATKA	56.37° N / 162.45° E
	14-Dec-1997 00:00:00	RUSSIA	8	-	KRONOTSKY, KAMCHATKA	54.6° N / 162.12° E

Source: Tsunamis

Tropical Cyclones:

5 Largest Tropical Cyclones

Event	Name	Start/End Date(UTC)	Max Wind Speed (mph)	Min Pressure (mb)	Location	Lat/Long
	LOUISE	21-Sep-1955 12:00:00 - 02-Oct-1955 00:00:00	173	No Data	Western Pacific	35.37° N / 150.15° E

Source: Tropical Cyclones

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.