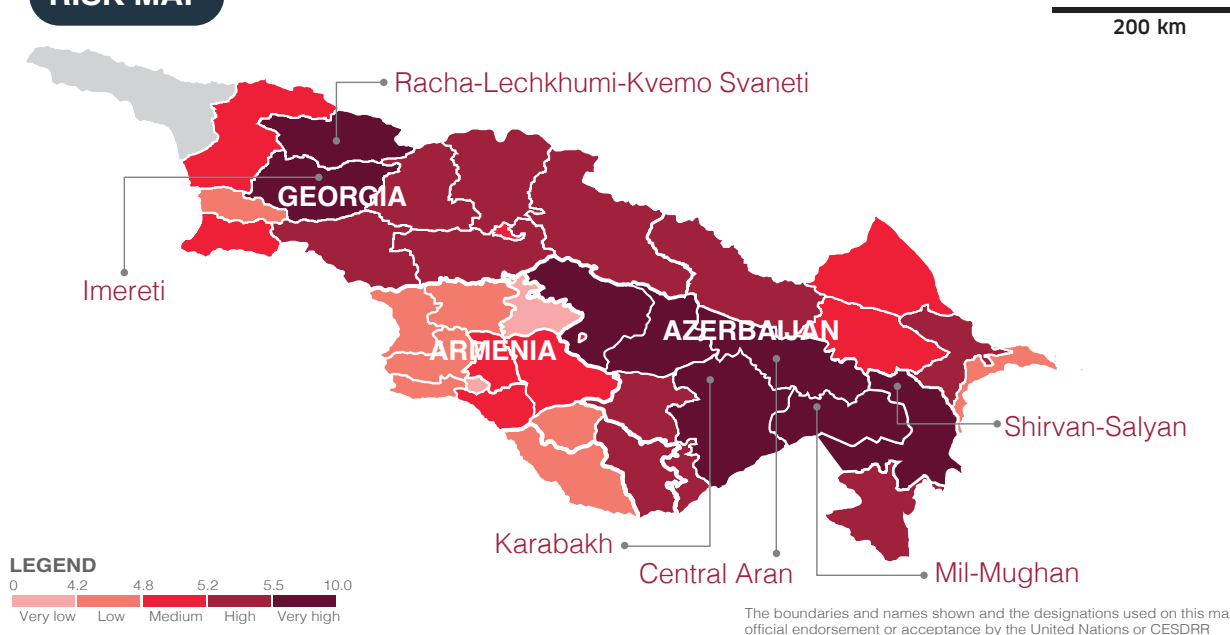


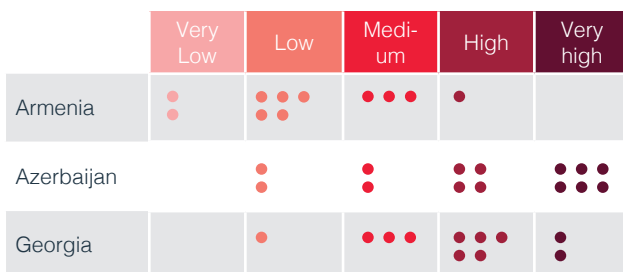
SOUTH CAUCASUS: Subnational INFORM risk 2022

RISK MAP



RISK DISTRIBUTION

The graph below illustrates how risk levels are spread within a country and allows comparison across the region. In 2022, six regions in Azerbaijan and a two in Georgia are prone to high risk comparing to the rest of administrative unit in the South Caucasus region.



DATA RELIABILITY

The model includes a lack of reliability index, which considers missing indicators, the recency of the data, and the degree of subnational data that was included (national averages were used when subnational data was missing – a less desired practice). It scores data on a scale from 0 to 10, where 10 is least reliable. The lack of reliability

index shows that results are reliable, with low variability of reliability across units, except for one region in Azerbaijan with somewhat lower reliability due to the low ratio of data availability at subnational level compared to other regions. 60% of indicators are at subnational level, while the rest of indicators are at national level.

HOW TO USE THIS MODEL

National government or intergovernmental risk assessment and development planning can be updated to include INFORM results and components.

INFORM can help integrate disaster risk management into ongoing government, development, DRR, humanitarian, and preparedness planning processes.

By relying on shared risk analysis, government, donors, humanitarian & development actors can align their actions and funding decisions towards risk reduction and management.

Validated to global standards, INFORM can support inter-agency processes: Common Country Assessment, UN Development Assistance Framework, monitoring of the Sendai Framework for DRR, etc.

OVERVIEW

The subnational Index for Risk Management (INFORM) is a way to understand and measure the risk of disasters. It helps identify where and why humanitarian crises are likely to occur and shows how risks differ within each country across its subnational units and between subnational units of different countries.

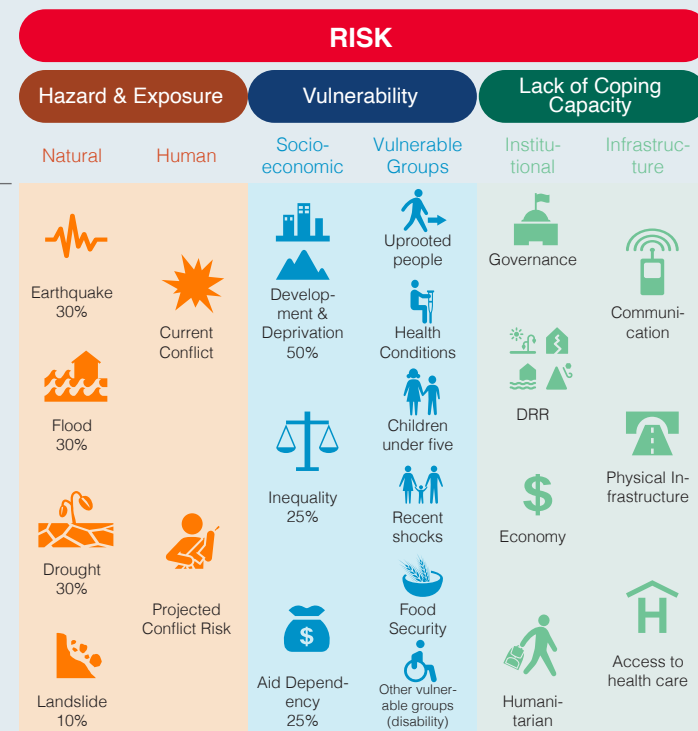
Data on 36 first admin levels

The first administrative level is the largest subdivision of a country. There are 36 such subdivisions in the three countries of South Caucasus (SC), and commonly include regions, autonomous republics, marzes and cities.

64 indicators

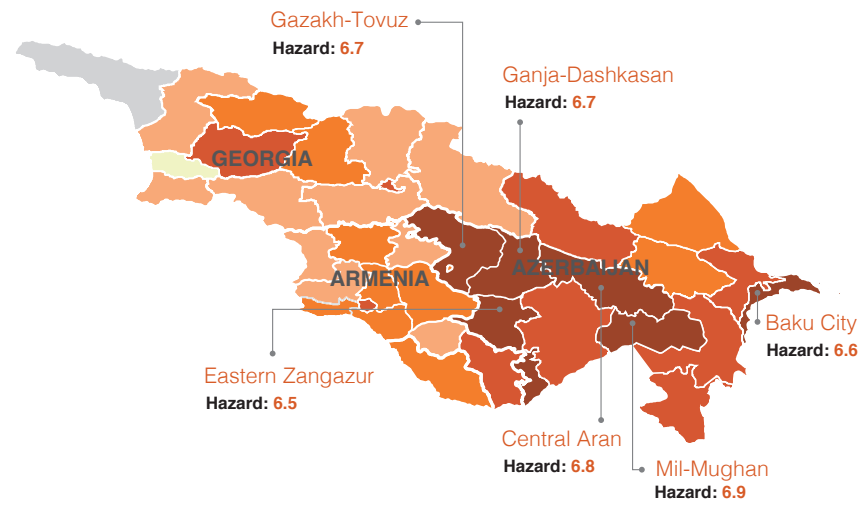
The model builds up a picture of risk by bringing together 64 different indicators that measure three dimensions of risk:

hazard and exposure, vulnerability, and lack of coping capacity. Each dimension is composed of a number of risk categories, e.g. natural hazards, vulnerable groups, or infrastructure capacity. Categories comprise numerous components. While the dimensions and categories are constant across all INFORM models, the components are carefully chosen sets of indicators that capture a specific topic that is relevant and specific to the region, e.g. landslides, number of children under five, or physical infrastructure. Indicators are the individual datasets that make up INFORM risk index, e.g. the physical exposure to earthquakes of a certain magnitude, child mortality rate, or road density. Below, the structure of INFORM for South Caucasus is presented.

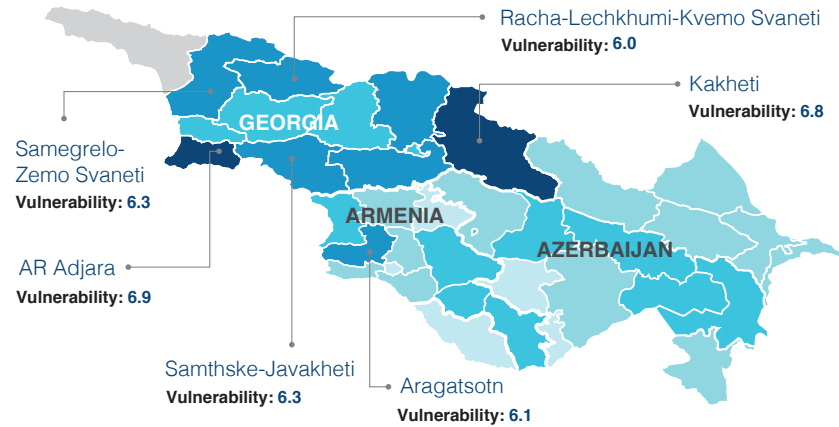


SOUTH CAUCASUS

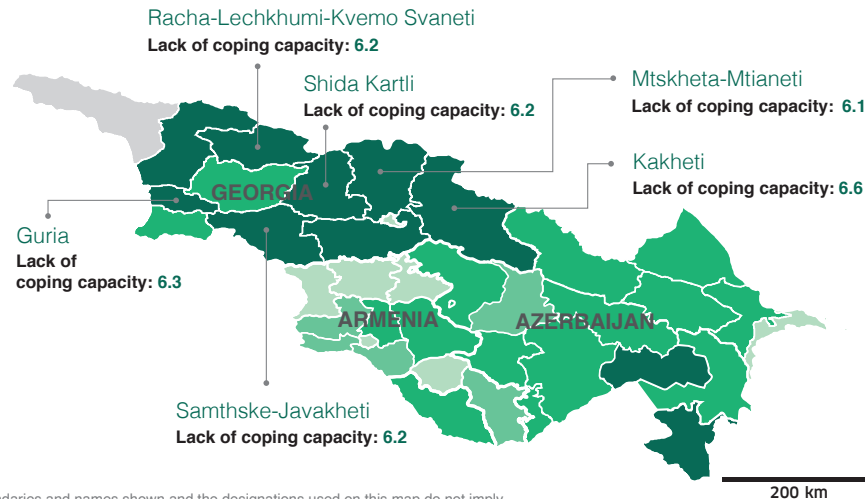
		Natural	Human
AZE	Mil-Mughan	5.8	7.7
AZE	Central Aran	5.6	7.7
AZE	Ganja Dashkasan	5.5	7.7
AZE	Gazakh-Tovuz	5.4	7.7
AZE	Baku City	4.8	7.9
AZE	Eastern Zangazur	4.8	7.7



		Socio-economic vulnerability	Vulnerable groups
GEO	AR Adjara	5.7	7.8
GEO	Kakheti	6.6	6.9
GEO	Samtskhe-Javakheti	6.1	6.4
GEO	Samegrelo-Zemo Svaneti	6.1	6.5
ARM	Aragatsotn	5.6	6.6
GEO	Racha-Lechkhumi-Kvemo-Svaneti	4.1	7.4



		Institutional	Infrastructure
GEO	Kakheti	7.0	6.2
GEO	Guria	7.3	5.0
GEO	Samtskhe-Javakheti	6.7	5.7
GEO	Racha-Lechkhumi-Kvemo-Svaneti	5.8	6.5
GEO	Shida Kartli	7.2	4.9
GEO	Mtskheta-Mtianeti	6.5	5.7



The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the United Nations or CESDRR.

HAZARD AND EXPOSURE

This dimension of INFORM measures hazardous events that could occur and the people or assets potentially affected by them. It is made up of two categories – natural hazards and human hazards. These maps show details for the six subnational units in each sub-region with the highest values in the hazard & exposure dimension.

LEGEND



VULNERABILITY

This dimension of INFORM measures the susceptibility of people to potential hazards. It is made up of two categories – socio-economic vulnerability and vulnerable groups. These maps show details for the six subnational units in each sub-region with the highest values in the vulnerability dimension.

LEGEND



LACK OF COPING CAPACITY

This dimension of INFORM measures the lack of resources available that can help people cope with hazardous events. It is made up of two categories – institutions and infrastructure. These maps show details for the six subnational units in each sub-region with the highest values in the lack of coping capacity dimension.

LEGEND



ARM - Armenia

AZE Azerbaijan

GEO - Georgia

DETAILED RESULTS

COUNTRY	FIRST ADMINISTRATIVE LEVEL	Natural	Human	HAZARD & EXPOSURE	Socio-Economic Vulnerability	Vulnerable Groups	VULNERABILITY	Institutional	Infrastructure	LACK OF COP-ING CAPACITY	INFORM RISK	RISK CLASS	Rank	Reliability Index (*)
(a-z)	(a-z)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(V.Low-V. High)	(1-83)	(0-10)
Armenia	Aragatsotn	2.2	4.8	3.6	5.6	6.6	6.1	5.7	4.2	5.0	4.8	Low	27	4.2
	Ararat	5.1	4.8	5.0	5.5	4.2	4.9	5.7	4.2	5.0	5.0	Medium	25	4.2
	Armavir	4.5	4.8	4.7	5.1	3.9	4.5	5.7	3.7	4.8	4.7	Low	29	4.2
	Gegharkunik	4.8	4.8	4.8	5.8	4.8	5.3	5.2	4.9	5.1	5.1	Medium	21	4.2
	Kotayk	4.8	4.8	4.8	5.8	3.9	4.9	5.3	4.9	5.1	4.9	Medium	26	4.2
	Lori	4.8	4.8	4.8	4.5	5.5	5.0	5.1	3.4	4.3	4.7	Low	29	4.2
	Shirak	3.2	4.8	4.0	5.1	5.5	5.3	5.3	3.7	4.5	4.6	Low	31	4.2
	Syunik	6.8	4.8	5.9	5.0	6.4	5.7	5.1	4.4	4.8	5.4	High	10	4.2
	Tavush	3.3	4.8	4.1	5.2	2.7	4.1	4.5	4.3	4.4	4.2	Very Low	35	4.2
	Vayots Dzor	3.0	4.8	4.0	3.8	7.0	5.6	4.4	4.3	4.4	4.6	Low	31	5.3
	Yerevan (city)	4.8	6.5	5.7	2.5	3.9	3.2	4.1	1.8	3.0	3.8	Very Low	36	4.2
Azerbaijan	Absheron-Khizi	4.2	6.8	5.7	4.9	5.0	5.0	6.3	3.5	5.1	5.3	High	15	4.8
	Baku (city)	4.8	7.9	6.6	4.6	5.0	4.8	5.3	1.3	3.6	4.8	Low	27	4.2
	Central Aran	5.6	7.7	6.8	5.6	5.9	5.8	5.9	4.8	5.4	6.0	Very High	2	4.8
	Daghigh Shirvan	2.8	6.8	5.1	6.0	3.5	4.9	5.1	5.8	5.5	5.2	Medium	19	5.5
	Eastern Zangazur	4.8	7.7	6.5	5.0	2.6	3.9	6.7	4.6	5.8	5.3	High	15	7.7
	Ganja-Dashkasan	5.5	7.7	6.7	6.1	4.8	5.5	5.6	3.6	4.7	5.6	Very High	7	5.1
	Gazakh-Tovuz	5.4	7.7	6.7	5.1	4.4	4.8	5.7	5.3	5.5	5.6	Very High	7	5.8
	Guba-Khachmaz	3.4	6.8	5.3	5.4	4.0	4.7	5.7	5.5	5.6	5.2	Medium	19	5.5
	Karabakh	4.0	7.7	6.2	5.3	5.0	5.2	5.9	5.3	5.6	5.7	Very High	3	5.1
	Lankaran-Astara	3.9	6.8	5.5	5.9	3.4	4.8	5.8	6.0	5.9	5.4	High	10	6.3
	Mil-Mughan	5.8	7.7	6.9	6.7	4.3	5.6	5.6	6.2	5.9	6.1	Very High	1	5.1
	Nakhchivan	2.2	6.8	4.9	4.8	3.1	4.0	6.2	3.8	5.1	4.6	Low	31	5.2
	Shaki-Zagatala	4.1	6.8	5.6	5.3	4.0	4.7	5.6	5.6	5.6	5.3	High	15	6.3
Shirvan-Salyan	5.6	6.8	6.2	6.6	4.6	5.7	5.2	5.1	5.2	5.7	Very High	3	5.1	
Georgia	Autonomous Republic of Adjara	3.9	3.1	3.5	5.7	7.8	6.9	6.7	3.9	5.5	5.1	Medium	21	1.5
	Guria	1.5	3.1	2.3	5.7	5.6	5.7	7.3	5.0	6.3	4.4	Low	34	2.3
	Imereti	6.7	4.3	5.6	5.1	6.4	5.8	7.1	3.6	5.6	5.7	Very High	3	2.0
	Kakheti	4.1	3.1	3.6	6.6	6.9	6.8	7.0	6.2	6.6	5.4	High	10	1.7
	Kvemo Kartli	5.4	3.1	4.3	6.0	5.8	5.9	7.0	4.9	6.1	5.4	High	10	1.7
	Mtskheta-Mtianeti	3.8	4.3	4.1	5.8	6.2	6.0	6.5	5.7	6.1	5.3	High	15	2.3
	Racha-Lechkhumi and Kvemo Svaneti	5.5	4.3	4.9	4.1	7.4	6.0	5.8	6.5	6.2	5.7	Very High	3	1.8
	Samegrelo-Zemo Svaneti	4.0	3.1	3.6	6.1	6.5	6.3	6.9	4.8	6.0	5.1	Medium	21	1.4
	Samtskhe-Javakheti	4.9	3.1	4.1	6.1	6.4	6.3	6.7	5.7	6.2	5.4	High	10	1.4
	Shida Kartli	4.8	4.3	4.6	5.1	6.2	5.7	7.2	4.9	6.2	5.5	High	9	1.4
Tbilisi (city)	5.8	5.3	5.6	4.7	6.2	5.5	5.2	3.1	4.2	5.1	Medium	21	1.4	

(*) Reliability Index: 0 more reliable, 10 less reliable.