

Developments and efforts on disaster-related statistics in

Georgia



27 May, 2021

Disaster-Related Statistics in Georgia



POLICY

LAW OF GEORGIA ON STATE OF EMERGENCY (17 October 1997)

A. LAW of GEORGIA on PUBLIC SAFETY (29 May, 2014): (Article 9 - Keeping records of emergencies, fires and of their effects)

1. A unified state system for keeping records.
2. The Agency provides official statistics and State statistical reporting.
3. The Ministry of Internal Affairs establishes procedures in agreement with the Legal Entity, NSO and other agencies.
4. Any party shall perform the procedures established for keeping records

B. National Disaster Risk Reduction Strategy of Georgia: 3.4. Development/Implementation of Methodology/Approach for Post-Disaster Damages and Recovery Needs Assessment and Calculation of Economic Losses

1. To develop a methodology for identification, collection and analysis of data;
2. To delineate competences of different stakeholders;
3. To identify institution(s) responsible for coordination
4. To develop economic and social mechanisms for disaster management

C. Action Plan 2017-2020 of the National Disaster Risk Reduction Strategy of Georgia:

1. Includes 18 Priority areas;
2. Responsible State Bodies-Inter ministerial

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COORDINATION

- The State Security and Crisis Management Council, Prime Minister's office
- The Natural Disaster Prevention and Rapid Response Unit (established in 2014 under MRDI) integrates prevention, warning, response, and recovery in infrastructure planning and development

State Bodies involved in the measurement of the occurrence of hazards:

Natural hazards	Ministry of Internal Affairs of Georgia Ministry of Environment Protection and Agriculture of Georgia
Biological hazards	Ministry of Internally Displaced Persons from The Occupied Territories, Labour, Health and Social Affairs of Georgia
Man-made hazards (anthropogenic hazards)	Ministry of Internal Affairs of Georgia

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DATA COLLECTION

A. The Georgia Emergency Management and Homeland Security Agency

1. Disaster occurrences and impacts
2. Disaster management and emergency response capacities

A. The National Environmental Agency (NEA)

1. Assesses and documents geo-ecological conditions, performs forecasts and warning, risk zoning and mapping.
2. The Hydrometeorology Department: collects and provides hydro meteorological disaster hazards-related data.
3. The Geology Department maintains topographic maps; resistibility, buildings and structures; and visual engineering-geological on lands.

B. The National Statistics Office of Georgia (Geostat),

1. Maintains spatial data with historical and projected disaster data with some gaps that can be improved
2. Does not maintain specific disaster-related data.

C. Academic communities

1. The Mikheil Nodia Institute of Geophysics, Tbilisi State University: a seismic zoning map
2. The Institute of Earth Sciences and Seismic Monitoring Center at the Ilia State University: earthquakes and seismic activity

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DATA SHARING

Ongoing Efforts:

- The end of the USSR system reduced the data collection capacity.
- In compliance to the European Infrastructure of Spatial Information in Europe (INSPIRE);
 - Improving the geo-information sector, legal framework, and administrative considerations,
 - Geospatial Data Infrastructure for disaster risk management .

Establishing inter-sectoral coordination, developing agreed terminologies, hazard and riskmaps, and addressing gaps in risk assessment methodology.

Data sharing

- An Atlas at the Geoportal of Natural Hazards and Risks:
 - Containing maps of natural hazards, and physical, social, ecological, economic vulnerability
 - It needs periodical updating and further dissemination to sectoral and local authorities.
 - Not all of agencies datasets has been digitised, i.e. seismology, geology, hydrometeorology

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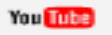


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SAMPLE OF DATA



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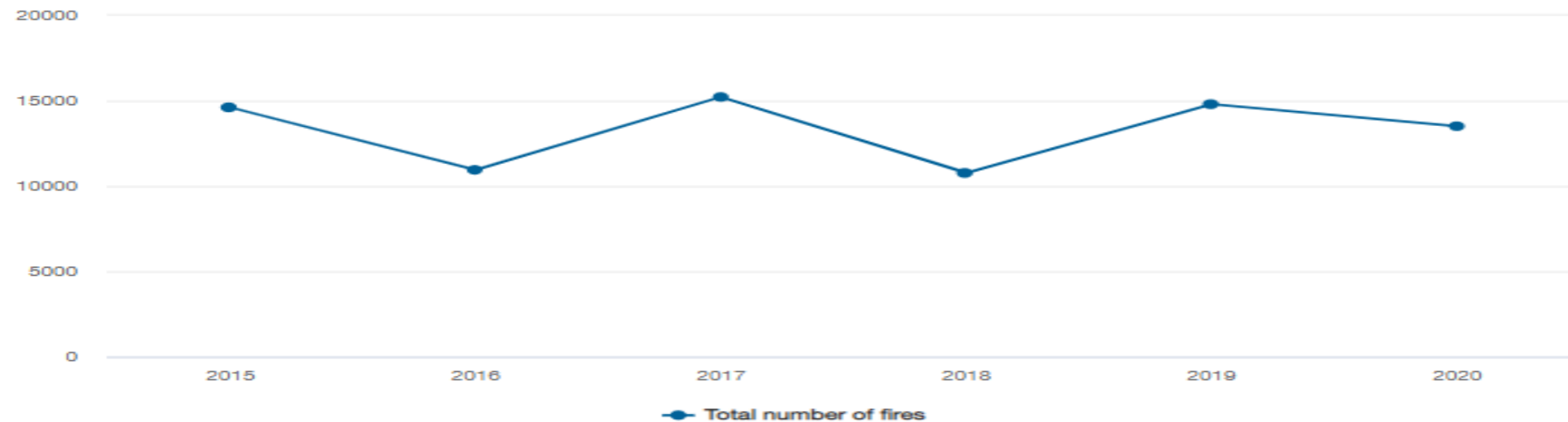
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The data on the victims and perpetrators of the domestic violence by regions and ages

The data on the victims and perpetrators of the domestic violence by regions and sex

Data of registered fires

Number of registred fires, unit



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14 May 2021



Geostat meeting with mayors and representatives of the municipality



13 May 2021

EXTERNAL MERCHANDISE TRADE OF GEORGIA IN JANUARY-APRIL 2021 (EXPRESS RELEASE)

2021 Year May

Mon	Tue	Wed	Thu	Fri	Sat	Sun
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

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SAMPLE OF DATA

	Data of registered fires (unit)						
	2001	2010*	2016	2017	2018	2019	2020
Total number of fires	5 304	9 060	10 951	15 222	10 769	14 800	13 511
Persons killed	68	40	49	79	57	46	65
Persons injured	69	60	249	244	247	274	203
Buildings and structures destroyed	192	397	468	543	453	517	487
Domestic animals killed	51	94	48	79	28	54	53

* Data from 2010 includes the number of fires and arsons in accordance with Decree N1574 of the Minister of Internal Affairs dated December 25, 2009.

Source: Ministry of Internal Affairs of Georgia.

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COLLABORATIONS

The government established EU standards compatible national spatial data infrastructure

The EU-Georgia Association Agreement: the commitment to improving the utilization of disaster - related data including in the assessment and management of flood risks.

- the adoption of national legislation
- the designation of competent authorities;
- data collection for
 - preliminary flood assessments and preparation of flood risks maps;
 - the development and updating of flood risk management plans.

The Caucasus Environmental NGO Network (CENN) supported by Netherlands: Has a project that includes spatial approaches and technologies, a new system for data management, and Atlas of natural hazards and disasters.

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CHALLENGES

- Lack of administrative sources
- Data is not collected, systematized, customized and regularly updated in one central repository.
- Lack of experience of producing Disaster-Related Statistics in administrative sources as well as at Geostat
- Lack of Knowledge of Disaster-Related Statistics



THANK YOU FOR YOUR ATTENTION!

Lia Charekishvili

Head of Social Infrastructure Statistics Division
Social Statistics Department
NATIONAL STATISTICS OFFICE OF GEORGIA

lcharekishvili@geostat.ge

www.geostat.ge