



Global Catastrophe Recap

November 2019

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Executive Summary

- Flooding and inland storms lead to multi-billion-dollar economic loss in Western & Southern Europe
- Two catastrophes declared by the Insurance Council of Australia due to bushfires and hail
- Cyclone Matmo makes landfall near India/Bangladesh border; damage costs listed at USD3.4 billion



187cm
6.14 feet

Height of storm tide in Venice on November 12, the second highest on record since 1923



1,885
structures

Number of homes & structures damaged or destroyed during November Australia bushfires



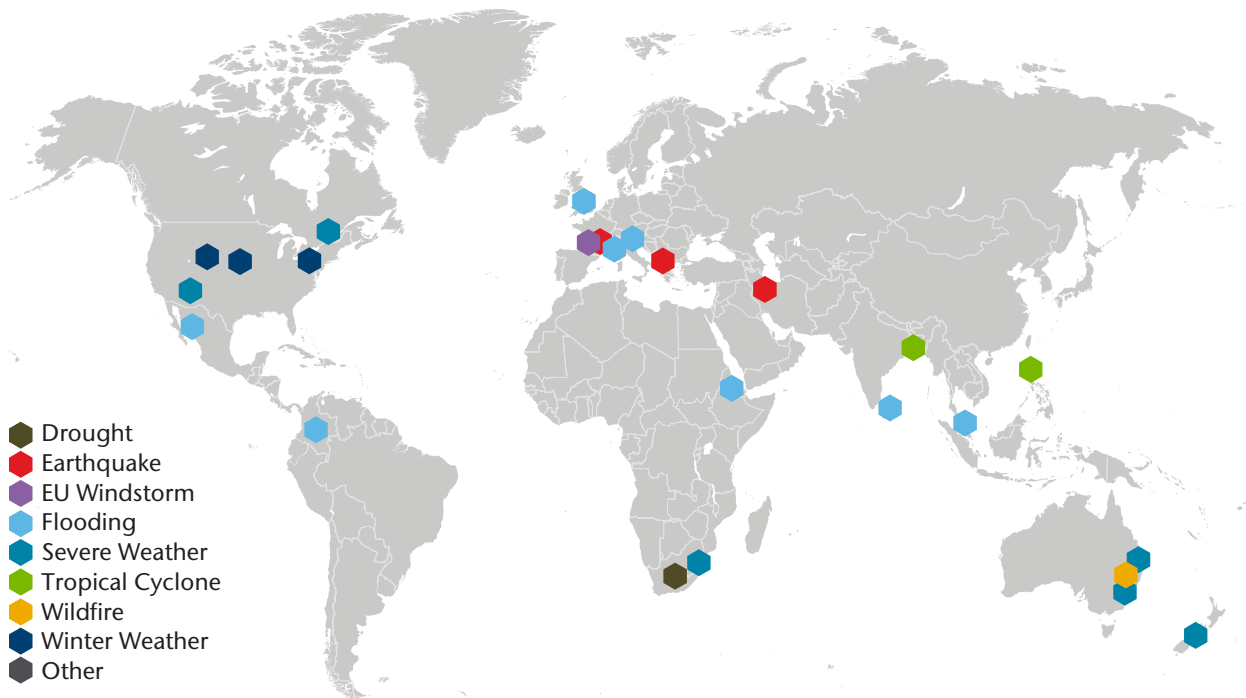
51
deaths

Number of fatalities due to the M6.4 Albania earthquake; deadliest in Europe since 2016



1.0M
people

Number of people displaced across East Africa after torrential rains led to widespread flooding



United States

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
11/12-11/14	Winter Weather	Plains, Midwest, Southeast, Northeast	10	Thousands	Millions
11/19-11/21	Severe Weather	Arizona	0	Thousands	10s of millions
11/25-11/28	Winter Weather	West, Plains, Midwest, Southeast	1	Thousands	100+ million
11/27-12/02	Winter Weather	West, Plains, Midwest, Northeast	8	Thousands	Millions

Unusually early season cold temperatures and accumulating snowfall affected much of the eastern two-thirds of the United States from November 12-14. At least 10 people were killed in wintry weather-related incidents. Total economic and insured losses – likely resulting from elevated automobile accidents and some net loss business interruption – were expected to reach into the millions (USD).

An upper level area of low pressure meandered across parts of Arizona from November 19-21, spawning periods of heavy rainfall, hail and severe thunderstorms. Most of the hail-related damage to homes and vehicles was noted around Goodyear. Several inches of rainfall further resulted in flash flooding that inundated properties. Total economic and insured losses were each minimally expected to reach into the tens of millions (USD).

A strong winter storm traveled across much of the country from November 25-28, bringing periods of heavy snow, convective storms, and flooding. At least one person was killed. The worst impacts were recorded from the Rockies into the Midwest as the system resulted in more than 1,000 flight cancellations and other travel delays. Powerful synoptic winds gusting to 70 mph (120 kph) led to widespread tree-related damage in the Midwest. Total economic and insured losses were estimated into the millions (USD).

A prolonged winter storm system led to extended heavy snowfall, freezing rain, flooding, and isolated severe weather that impacted nearly every section of the U.S. from November 27 to December 2. At least eight storm-related fatalities occurred. The inclement weather was impactful from California to Massachusetts with thousands of flight delays and cancellations during the peak of Thanksgiving Day travel. Total economic and insured losses were estimated into the millions (USD).

Remainder of North America (Non-US)

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
10/31-11/02	Severe Weather	Canada	1	40,000+	275+ million

A strong storm system tracked into parts of Eastern Canada from October 31 to November 2, causing one death as well as extensive damage and power outages due to high winds and flooding rains. Some of the hardest-hit areas were in Quebec and Ontario; notably to residential structures and vehicles. Total economic losses were estimated at up to CAD365 million (USD275 million). Most of these damage costs were covered by insurance.

South America

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
10/27-11/17	Flooding	Colombia	20	4,650+	10s of millions
11/27-11/29	Flooding	Mexico	1	Hundreds	Millions

Heavy rains associated with the rainy season that spans from October to December have so far resulted in 20 fatalities in Colombia. According to local authorities, 43 homes were destroyed in total and 4,607 were damaged as of November 17 in multiple episodes of flooding and landslides since October.

Torrential rains triggered severe flooding in northern Mexico from November 27-29, killing at least one person and causing widespread damage. The hardest-hit areas came in the states of Sinaloa, Chihuahua, Sonora and Baja California. The city of Mazatlán in Sinaloa reported significant damage.

Europe

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
11/02-11/03	Windstorm Amélie	France, Spain, Italy	0	25,000+	100+ million
11/07-11/11	Flooding	England	1	4,000+	200+ million
11/11	Earthquake	France	0	900+	Millions
11/11-11/19	Flooding	Italy, Austria	3	Thousands	1.9+ billion
11/21-11/24	Flooding	France, Italy	8	40,000+	975+ million
11/26	Earthquake	Albania	51	11,100+	100s of millions

Parts of France, Spain and Italy were affected by Windstorm Amélie on November 2-3. The event resulted in moderate property damage in France and caused at least 140,000 power outages. Total economic and insured losses were minimally estimated in the tens of millions (EUR).

A period of excessive rainfall in Northern England on November 7-8, which came during a very wet autumn, led to notable flooding across South Yorkshire, Nottinghamshire, Derbyshire, and elsewhere. Insurers received at least 4,000 claims totaling GBP110 million (USD142 million). Total economic losses were even higher.

An unusually strong earthquake struck the Ardèche department in southern France on November 11. The event caused notable damage in Le Teil municipality. With hundreds of buildings damaged, the total economic impact was preliminarily estimated at several millions of EUR.

An active stretch of cyclonic weather in the Mediterranean region resulted in significant flooding and severe weather impacts across Italy and parts of Austria. The historical center of Venice, Italy was flooded on November 12 by the second highest tide on record. A pattern of flooding and severe weather from November 11-19 caused additional widespread damage across Italy and parts of Austria. Total aggregated economic losses, including the effects of tidal flooding in Venice, were tentatively estimated to reach as high as EUR1.7 billion (USD1.9 billion). Insurers in Austria alone counted losses in the tens of millions EUR.

Torrential rains from November 21-24 brought renewed flooding to parts of southeastern France and northwestern Italy along the Mediterranean coast, causing eight fatalities. Total economic and insured losses in the departments of Var and Alpes-Maritimes; and regions of Piemonte, Liguria and Lombardia were initially listed in the hundreds of millions EUR. Insurers in France expected losses of EUR285 million (USD315 million).

A magnitude-6.4 earthquake, one of the strongest in modern records, struck central and northern Albania on November 26, causing severe damage. At least 51 people were killed, and 3,000 others were injured. Widespread damage was noted across Albania, particularly in hardest-hit Durrës County. According to the official governmental assessment, 1,183 structures collapsed, of which 1,050 were located in Durrës. Additionally, 558 apartment blocks and 5,497 homes were heavily damaged, and 3,855 structures sustained light damage. Total economic losses were likely to be in the hundreds of millions USD.

Middle East

Date	Event	Location	Deaths	Structures/Claims	Economic Loss (USD)
11/08	Earthquake	Iran	6	4,500+	90+ million

A strong, magnitude-5.9 earthquake struck near Sarab in the East Azerbaijan Province of Northwestern Iran in the early morning hours of November 8. Notable structural damage was caused as severe shaking hit the region. Six people were killed and at least 584 were injured. The government allocated IRR3.0 trillion (USD90 million) for disaster recovery as at least 4,500 homes were damaged to varying degrees.

Africa

Date	Event	Location	Deaths	Structures/Claims	Economic Loss (USD)
01/01-12/31	Drought	South Africa	N/A	N/A	135+ million
10/01-11/30	Flooding	East Africa	216+	Thousands	10s of millions+
11/11-11/12	Severe Weather	South Africa	4	Hundreds	Unknown

Drought conditions worsened across South Africa during the month of November, as farmers and government officials worked to minimize crop impact. No fewer than 150,000 farms across the country were directly affected by the ongoing drought situation. Total direct economic costs associated with the drought neared ZAR2.0 billion (USD135 million).

A strong positive phase of the Indian Ocean Dipole helped initiate periods of seasonal heavy rainfall to several countries in East Africa during October and November, resulting in widespread damage and human casualties. The rainfall continued into late November as significant flooding and landslides particularly impacted Kenya, Djibouti and Somalia. A minimum of 216 people has died and hundreds of thousands of residents left displaced in this ongoing flood event.

Severe convective storms prompted large hail and heavy rain across the KwaZulu-Natal Province of eastern South Africa on November 11-12. The weather system spawned a tornado that touched down near Wartburg Town, causing two fatalities and damage to dozens of homes. Flash floods, wind and hail caused two additional deaths, damaged crops and public infrastructure, and left nearly 15,000 homes without power.

Asia

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
11/08-11/11	Cyclone Matmo (Bulbul)	India, Bangladesh	39	Thousands	3.4+ billion
11/08-11/10	Tropical Storm Nakri	Philippines, Vietnam	22	Hundreds	40+ million
11/27-12/02	Flooding	Malaysia	2	Hundreds	Unknown
11/29-12/02	Severe Weather	Sri Lanka	6	Hundreds	Unknown

Cyclone Matmo – also locally named “Bulbul” – made landfall near the India and Bangladesh border on November 9 (UTC) as a Category 1-equivalent storm with 150 kph (90 mph), 1-minute averaged winds. At least 39 people were killed. Total economic losses in India were preliminarily estimated at upwards of INR238 billion (USD3.4 billion).

Tropical Storm Nakri brought heavy rainfall, high waves and strong winds to the Philippines while tracking near the coast. At least 19 people were left dead (6) or missing (13), and at least 134 houses were damaged. The storm made landfall in Vietnam on November 10, bringing heavy rain central provinces and causing three deaths. More than 430 houses were damaged and 1,000 hectares (2,470 acres) of crops inundated. Total economic losses were listed at USD40 million; including in the Philippines (USD36 million) and Vietnam (USD4 million).

Flooding hit parts of the Kelantan and Terengganu states in Malaysia following heavy rainfall from November 27-December 2. At least two people were killed, and more than 12,000 people displaced after the flooding inundated hundreds of homes.

Heavy rain in the northern and eastern parts of Sri Lanka triggered floods and landslides between November 29-December 2. At least six people were killed, more than 120 houses damaged, and 4,100 people affected by the inclement weather.

Oceania (Australia, New Zealand, South Pacific Islands)

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
11/08-11/31	Wildfires	Australia	4	1,525+	200+ million
11/17	Severe Weather	Australia	0	15,870+	100+ million
11/17-11/20	Severe Weather	New Zealand	0	Hundreds	Millions
11/26	Severe Weather	Australia	0	Hundreds	Unknown

A significant outbreak of bushfires ignited across New South Wales and Queensland in Australia throughout much of November. At least four people were killed, and dozens of others were injured. Damage assessments noted that at least 559 homes, 36 public facilities, and 1,100 outbuildings were destroyed; with another 190 homes damaged. The Insurance Council of Australia (ICA) declared an insurance catastrophe in New South Wales and Queensland. As of November 22, at least 1,525 claims were filed with insured losses listed at AUD165 million (USD112 million). The overall economic cost was even higher.

Severe thunderstorms swept across parts of southeastern Queensland, Australia, on November 17. The storms produced large hail and straight-line winds that caused widespread property and agricultural damage in areas north of Brisbane. The ICA declared an insurance catastrophe as a minimum of 15,870 claims were filed with total payouts listed at AUD120 million (USD82 million). These totals were expected to rise.

Strong winds, rain and hail to much of the Canterbury region in New Zealand from November 17-20. Impacts included from a small tornado in Sydenham, a Christchurch suburb, and swaths of golf ball-sized hail that notably damaged windows, roofs and cars in Timaru.

A storm system struck Sydney, Australia, on November 26 bringing gusty winds that toppled trees, damaged cars and roofing, and caused blackouts to at least 75,000 homes. The local emergency services received as many as 2,000 calls for help following the storm.

Appendix

Updated 2019 Data: January-October

United States

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/05-01/06	Winter Weather	West	0	7,500+	125+ million
01/11-01/14	Winter Weather	Plains, Midwest, Mid-Atlantic	13	Thousands	Millions
01/16-01/18	Winter Weather	West	0	12,000+	275+ million
01/18-01/24	Winter Weather	Midwest, Northeast	10	22,000+	300+ million
01/29-01/31	Winter Weather	Midwest, Northeast, Southeast	22	45,000+	950+ million
02/01-02/03	Flooding	California	0	11,000+	250+ million
02/05-02/08	Winter Weather	Midwest	4	Hundreds	Millions
02/09-02/12	Winter Weather	Northwest, Midwest, Northeast	0	Hundreds	Millions
02/10	Severe Weather	Hawaii	1	Hundreds	10s of Millions
02/18-02/21	Winter Weather	Northern Plains, Southeast	3	Hundreds	Millions
02/22-02/26	Severe Weather	Central/Eastern U.S.	4	175,000+	1.4+ billion
02/26-02/28	Flooding	California	1	6,000+	175+ million
03/03-03/04	Severe Weather	Southeast, Mid-Atlantic, Northeast	23	13,000+	190+ million
03/08-03/09	Severe Weather	Plains, Midwest, Southeast	1	Thousands	Millions
03/12-03/17	Severe Weather	Plains, Midwest, Southeast	5	100,000+	1.0+ billion
03/12-04/30	Flooding	Central U.S.	3	Thousands	5.0+ billion
03/23-03/25	Severe Weather	Plains, Midwest	0	110,000+	1.5+ billion
03/27	Severe Weather	Florida	0	22,000+	225+ million
04/05-04/08	Severe Weather	Southeast	0	25,000+	250+ million
04/10-04/12	Winter Weather	Rockies, Plains, Midwest, Southeast	0	Thousands	100+ million
04/12-04/15	Severe Weather	Plains, Southeast, Midwest, Northeast	9	100,000+	1.1+ billion
04/17-04/19	Severe Weather	Plains, Southeast, Midwest	4	40,000+	350+ million
04/23-04/25	Severe Weather	Plains, Southeast	5	60,000+	850+ million
04/30-05/02	Severe Weather	Plains, Midwest, Southeast	2	35,000+	750+ million
05/01-07/31	Flooding	Central & Eastern U.S.	0	Thousands	10+ billion
05/04-05/10	Severe Weather	Plains, Midwest, Southeast	1	90,000+	1.2+ billion
05/13	Severe Weather	North Carolina	0	20,000+	290+ million
05/16-05/17	Severe Weather	Plains, Midwest	0	60,000+	925+ million
05/17-05/19	Severe Weather	Plains, Midwest, Southeast	0	15,000+	200+ million
05/20-05/23	Severe Weather	Plains, Midwest, Southeast, Northeast	9	45,000+	825+ million
05/24-05/25	Severe Weather	Rockies, Plains, Midwest, Northeast	2	15,000+	150+ million
05/26-05/31	Severe Weather	Rockies, Plains, Midwest, Southeast	3	265,000+	4.0+ billion
06/01-06/06	Severe Weather	Rockies, Plains, Midwest, Northeast	1	20,000+	375+ million
06/08-06/09	Flooding	Southeast	3	Hundreds	50+ million
06/08-06/10	Severe Weather	Rockies, Plains, Southeast	5	60,000+	850+ million
06/15-06/16	Severe Weather	Midwest, Mid-Atlantic	0	Thousands	100+ million
06/16-06/17	Severe Weather	Texas	0	17,500+	200+ million
06/18-06/20	Severe Weather	Plains, Southeast, Mid-Atlantic	1	Thousands	100+ million
06/21-06/22	Severe Weather	Plains, Midwest, Southeast	3	Thousands	100+ million

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
06/23-06/24	Severe Weather	Plains	0	20,000+	235+ million
06/29-06/30	Severe Weather	Northeast, Mid-Atlantic	2	7,500+	100+ million
06/29-06/30	Severe Weather	Plains, Midwest	1	Thousands	100+ million
07/02-07/04	Severe Weather	Plains, Midwest, Northeast	0	10,000+	140+ million
07/04-07/05	Earthquake(s)	California	0	5,000+	200+ million
07/04-07/05	Severe Weather	Rockies, Plains	0	75,000+	1.1+ billion
07/07-07/08	Flooding	Maryland, Washington D.C., Virginia	0	12,000+	325+ million
07/13-07/17	Hurricane Barry	Southeast, Midwest, Northeast	0	50,000+	600+ million
07/17-07/18	Severe Weather	Rockies, Midwest	0	25,000+	260+ million
07/19-07/23	Severe Weather	Midwest, Northeast, Mid-Atlantic	6	82,000+	925+ million
07/26-07/30	Severe Weather	Midwest, Northeast	0	20,000+	235+ million
08/04-08/05	Severe Weather	Midwest	0	42,000+	740+ million
08/06-08/07	Severe Weather	Plains, Midwest	0	11,000+	140+ million
08/06	Flooding	Maryland	0	Hundreds	50+ million
08/10-08/11	Severe Weather	Rockies, Plains	0	40,000+	780+ million
08/13-08/16	Severe Weather	Rockies, Plains, Midwest	0	35,000+	415+ million
08/17-08/18	Severe Weather	Midwest, Northeast	0	15,000+	120+ million
08/25-08/26	Severe Weather	Rockies, Plains, Midwest, Southeast	0	25,000+	250+ million
09/04-09/06	Hurricane Dorian	Southeast, Mid-Atlantic	9	60,000+	1.4+ billion
09/10-09/12	Severe Weather	Rockies, Plains, Midwest	0	20,000+	310+ million
09/12-09/16	Flooding	South Dakota	0	Thousands	10s of Millions
09/17-09/20	Tropical Storm Imelda	Plains, Southeast	1	75,000+	2.0+ billion
09/23	Flooding	Arizona	0	Hundreds	Millions
09/27-09/28	Severe Weather	Plains, Midwest	0	15,000+	150+ million
10/10-10/17	Wildfire (Saddle Ridge)	California	3	5,000+	350+ million
10/16-10/17	Severe Weather	Mid-Atlantic, Northeast	0	35,000+	245+ million
10/18-10/20	Tropical Storm Nestor	Southeast	0	10,000+	150+ million
10/20-10/21	Severe Weather	Plains, Southeast	4	66,000+	1.65+ billion
10/23-10/31	Wildfire (Kincade)	California	0	17,500+	825+ million
10/26	Tropical Storm Olga	Southeast	1	35,000+	400+ million
10/26-10/31	Severe Weather	California	1	11,000+	100+ million
10/31-11/01	Severe Weather	Mid-Atlantic, Northeast	2	60,000+	500+ million

Remainder of North America (Non-U.S.)

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/24-01/25	Flooding	Canada	0	3,750+	68+ million
01/27	Severe Weather	Cuba	6	Hundreds	Millions
02/03-02/05	Flooding	Canada	0	4,500+	145+ million
02/24-02/25	Winter Weather	Canada	0	8,000+	115+ million
03/09-03/11	Flooding	Canada	0	6,000+	130+ million
03/13-03/16	Flooding	Canada	0	11,000+	240+ million
04/16-05/14	Flooding	Canada	1	17,000+	800+ million
03/01-06/06	Wildfire	Canada	0	16+	100+ million
06/02	Severe Weather	Canada	0	1,000+	10s of Millions

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
06/02	Flooding	Mexico	7	1,000+	Unknown
06/03-06/06	Flooding	Haiti	4	621+	Unknown
06/27-06/29	Flooding	Canada		3,500+	30+ million
06/30	Severe Weather	Mexico	0	Hundreds	Millions
07/06-07/10	Severe Weather	Canada	0	Thousands	20+ million
07/13-07/15	Severe Weather	Canada	0	Thousands	50+ million
07/17	Flooding	Canada	0	2,000+	75+ million
07/30-07/31	Severe Weather	Canada	0	7,500+	107+ million
07/31-08/01	Severe Weather	Canada	0	2,000+	23+ million
08/02	Severe Weather	Canada	0	13,000+	110+ million
08/06	Severe Weather	Canada	0	2,000+	10s of Millions
08/31-09/07	Hurricane Dorian	Caribbean, Bahamas, Canada	664	50,000+	10+ billion
09/05-09/06	Tropical Storm Fernand	Mexico	1	Thousands	383+ million
09/19-09/20	Hurricane Humberto	Bermuda	0	1,000+	Millions
09/19-09/22	Hurricane Lorena	Mexico	1	Thousands	Millions
09/29-10/01	Tropical Storm Narda	Mexico	6	2,000+	Millions
09/30-10/01	Severe Weather	Canada	0	2,500+	35+ million
10/01-10/31	Flooding	Guatemala	2	3,000+	Millions
10/10-10/12	Winter Weather	Canada	0	2,500+	38+ million

South America

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/01-01/20	Flooding	Argentina, Uruguay	5	Thousands	2.3+ billion
01/19	Earthquake	Chile	2	1,000+	10s of Millions
01/27	Landslide	Peru	15	100+	Negligible
02/01-02/10	Flooding	Chile	6	5,700+	91+ million
02/02-02/05	Landslide	Bolivia	23	Unknown	Unknown
02/07	Landslide	Peru	10	Dozens	Unknown
02/22	Flooding	Colombia	0	4,000+	Millions
03/10-03/12	Flooding	Brazil	13	Hundreds	Millions
03/15-04/05	Flooding	Paraguay	5	Thousands	10s of millions
03/19-04/01	Flooding	Peru	0	Thousands	Millions
04/08-04/09	Flooding	Brazil	10	Hundreds	Millions
04/01/04/08	Flooding	Colombia	10	400+	Millions
04/20-04/22	Severe Weather	Colombia	30	Thousands	Unknown
03/15-05/20	Flooding	Paraguay	6	Dozens	Millions
06/13	Flooding	Brazil	7	Hundreds	Millions
06/15-06/16	Flooding	Uruguay	0	Thousands	Millions
01/01-08/31	Wildfires	Brazil, Bolivia, Paraguay, Peru	N/A	N/A	Millions

Europe

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/01-01/02	Windstorm Alfrida	Northern Europe	0	15,000+	130+ million
01/01-01/14	Winter Weather	Central Europe	26	Thousands	100s of Millions
01/10-01/12	Winter Weather	Spain	0	Hundreds	Millions
01/22-01/24	Flooding	Spain	4	3,600+	46+ million
01/29	Windstorm Gabriel	France	0	4,000+	Millions+
02/08-02/09	Windstorm Erik	United Kingdom, Ireland	1	Thousands	10s of Millions
02/10-02/11	Windstorm Isaias	France, Germany	0	Thousands	10s of Millions
02/14-02/17	Windstorm Julia	Norway, Sweden	0	2,000+	17 million+
02/23-02/26	Severe Weather	Italy, Greece, Malta, Croatia	8	Hundreds	250+ million
03/01-06/30	Drought	Spain	N/A	Thousands	175+ million
03/03-03/05	Windstorm Freya	Central & Western Europe	2	Thousands	100s of Millions
03/10	Windstorm Eberhard	Central & Western Europe	2	100,000+	1.5+ billion
03/11-03/12	Windstorm Gareth	United Kingdom	0	Thousands	Millions
03/25-03/26	Severe Weather	Italy	0	Thousands	Millions
04/04	Winter Weather	Spain	0	Thousands	Millions
04/06	Flooding	Greece	0	Hundreds	Millions
04/06	Severe Weather	Spain	0	Hundreds	46+ million
04/18-04/20	Severe Weather	Spain	0	Hundreds	10s of millions
05/06	Winter Weather	Spain	0	Hundreds	Millions
05/11-05/13	Severe Weather	Italy, Croatia, Bosnia	0	Hundreds	150+ million
05/20-05/22	Flooding	Germany, Poland	0	Thousands	120+ million
06/01-06/03	Flooding	Serbia, Bosnia & Herzegovina	0	2,000+	30+ million
06/04-06/05	Severe Weather	Netherlands, Germany	0	12,500+	45+ million
06/07-06/08	Windstorm Miguel	France, Belgium	5	Thousands	10s of Millions
06/10-06/12	Severe Weather	Central Europe	0	260,000+	1.1+ billion
06/15-06/16	Severe Weather	Western & Central Europe	2	50,000+	560+ million
06/20-06/22	Severe Weather	Switzerland, Italy, Poland	1	Hundreds	150+ million
06/24-07/01	Heatwave	Western & Central Europe	13+	Unknown	Unknown
06/27	Severe Weather	Slovakia, Hungary, Austria, Romania	0	25,000+	30+ million
07/01-07/03	Severe Weather	Western & Central Europe	1	20,000+	190+ million
07/07-07/08	Severe Weather	Slovenia, Croatia	0	Thousands	40+ million
07/08	Severe Weather	Spain	1	Thousands	75+ million
07/09-07/10	Severe Weather	Italy	1	Thousands	10s of millions
07/10	Severe Weather	Greece	7	Hundreds	Millions
07/19	Earthquake	Greece	0	3,200	Millions
07/24-07/26	Heatwave	Western, Central & Northern Europe	N/A	Unknown	Unknown
07/27-07/29	Severe Weather	Austria, Italy, Hungary	3	25,000+	10s of millions
08/06-08/07	Severe Weather	Western and Central Europe	0	Thousands	150+ million
08/09	Severe Weather	Luxembourg, Western Europe	0	3,000+	125+ million
08/12-08/13	Severe Weather	Italy, Hungary, Poland	0	Thousands	180+ million
08/18	Severe Weather	Germany, France	0	2,000+	10s of millions
08/20-08/21	Severe Weather	Spain	0	2,000+	Millions
08/22	Severe Weather	Poland, Slovakia	5	N/A	N/A
08/26-08/28	Severe Weather	Spain	0	4,400+	10s of millions
09/11-09/15	Flooding	Spain	7	Thousands	2.4 billion

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
09/21	Earthquake	Albania	0	1,500+	45+ million
09/29-09/30	Windstorm Mortimer	Germany, Poland, Czech Republic	3	Thousands	10s of millions
10/02	Hurricane Lorenzo	Portugal	0	Hundreds	367+ million
10/03-10/04	Severe Weather	Greece	0	Thousands	Millions
10/21	Severe Weather	Italy	1	Unknown	90+ million
10/22-10/24	Flooding	Spain, France	9	Thousands	190+ million
10/24-10/26	Flooding	Italy	1	Hundreds	421+ million

Middle East

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/24-01/26	Severe Weather	Turkey	2	4,100+	20+ million
01/27-01/29	Flooding	Saudi Arabia	12	1,000+	Millions
03/09-03/10	Flooding	Iran	0	Hundreds	80+ million
03/17-04/09	Flooding	Iran	77	85,000+	8.3+ billion*
03/24-03/29	Flooding	Iraq, Syria	10	Unknown	Unknown
04/29	Other	Iraq	5	Unknown	Unknown
05/17-05/27	Flooding	Oman, Yemen, UAE, Saudi Arabia	7	Hundreds	Millions
06/07-06/09	Flooding	Yemen	3	5,000+	Millions
06/09	Flooding	Turkey	3	1,000+	10s of Millions+
07/08	Earthquake	Iran	1	Thousands	Millions
07/17	Flooding	Turkey	7	2,000+	Millions
07/31-08/06	Flooding	Yemen	12	Unknown	Unknown
08/17	Flooding	Turkey	1	5,000	10s of millions
08/23	Flooding	Turkey	0	Hundreds	50+ million
09/24	Cyclone Hikaa	Oman	0	Hundreds	Millions
09/26	Earthquake	Turkey	0	10,000+	Millions
10/13-10/15	Wildfire	Lebanon, Syria	1	Dozens	Unknown
10/27	Severe Weather	Saudi Arabia	7	Thousands	Millions

*Global free market currency conversion; unofficial local free market conversion cost is USD2.6 billion

Africa

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/01-01/31	Flooding	Mozambique, Malawi, Zambia	22	Hundreds	Millions
01/01-6/30	Drought	Senegal	N/A	N/A	10s of millions
01/01-12/31	Drought	Angola	N/A	N/A	600+ million
01/17-01/21	Flooding	Burundi	10	Hundreds	Unknown
01/19	Flooding	Madagascar	9	Unknown	Unknown
01/22-01/24	Tropical Storm Eketsang	Madagascar	27	Unknown	Unknown
02/12-02/18	Flooding	Zimbabwe	26	Unknown	Unknown
03/04-03/22	Cyclone Idai	Southern Africa	1,100+	150,000+	2.0+ billion
03/10-03/12	Flooding	South Africa	10	7,000+	7.0+ million
03/16-03/19	Flooding	Angola	27	Hundreds	Millions

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
04/22-04/24	Flooding	South Africa	87	1,000+	100+ million
04/23	Flooding	Uganda	17	Unknown	Unknown
04/24-04/26	Cyclone Kenneth	Comoros, Mozambique	48	60,000+	100+ million
05/06	Wildfire	South Sudan	48	138	Unknown
05/08-05/17	Flooding	Tanzania	5	1,000+	Millions
05/15-18	Flooding	Mali, Guinea	21	Hundreds	Millions
05/30-06/01	Flooding	Ghana	13	Hundreds	Millions
06/03	Flooding	Libya	4	Thousands	7.1+ million
06/04-06/08	Landslide	Uganda	6	Unknown	Unknown
06/05-06/10	Flooding	South Sudan	3	10,892+	Millions
07/24	Landslide	Morocco	15	N/A	N/A
08/01-08/31	Flooding	Sudan	59	48,800+	10s of millions
08/11-08/12	Flooding	Ethiopia	0	6,650+	Unknown
08/20-08/25	Flooding	Nigeria	12	11,300+	Unknown
08/26-08/27	Flooding	Mauritania	0	4,000+	Unknown
8/24-09/15	Flooding	West Africa	57	15,000+	Millions
09/09	Flooding	Morocco	17	Negligible	Negligible
09/11-09/18	Flooding	Algeria	7	2,000+	Unknown
10/01-10/31	Flooding	Ghana, Niger, Togo, Benin	33	21,000+	Unknown
10/01-11/30	Flooding	Eastern Africa	216	50,000+	Unknown
10/01-10/31	Flooding	Cameroon, CAR, Chad, DRC	118	33,000+	10s of millions

Asia

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/01-12/31	Drought	India	0	N/A	1.75+ billion
10/01-10/31	Drought	China	N/A	N/A	5.75+ billion
10/01-10/31	Drought	North Korea	N/A	N/A	100+ million
01/01-04/30	Winter Weather	China	3	N/A	235+ million
01/03-01/05	Tropical Storm Pabuk	Thailand, Vietnam, Malaysia	9	2,300+	157+ million
01/06	Flooding	Afghanistan	30	0	Negligible
01/21-02/01	Flooding	Indonesia	85	23,000+	65+ million
02/20-02/21	Flooding	Pakistan	26	Hundreds	Millions
02/24-02/25	Earthquake	China	2	11,000+	37+ million
03/01-03/04	Flooding	Afghanistan, Pakistan	71	6,000+	Unknown
03/07-03/10	Flooding	Indonesia	8	Dozens	Unknown
03/16-03/18	Flooding	Indonesia	194	3,000	47+ million
03/18	Flooding	Afghanistan	13	Dozens	Unknown
03/19-03/21	Flooding	China	0	2,500+	40+ million
03/29-03/30	Flooding	Afghanistan	45	13,000+	10s of Millions
03/30-04/09	Wildfire	China	31	N/A	N/A
03/31	Severe Weather	Nepal, India	35	2,400+	50+ million
03/31	Severe Weather	Bangladesh	15	Hundreds	25+ million
04/04-04/05	Wildfire	South Korea	2	1,400+	50+ million
04/09	Severe Weather	Pakistan	8	Dozens	Unknown
04/11-04/12	Flooding	China	11	2,000	50+ million
04/13-04/14	Flooding	Pakistan	20	4,200	Millions

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
04/15-04/17	Severe Weather	Afghanistan, Pakistan, India	146	12,500	75+ million
04/19-04/20	Wildfire	Russia	0	118	20+ million
04/22-04/23	Earthquake	Philippines	21	5,100+	50+ million
04/25-04/27	Flooding	Indonesia	44	2,000+	15+ million
05/01-07/31	Drought	Thailand	N/A	N/A	490+ million
05/03-05/05	Cyclone Fani	India, Bangladesh	89	Thousands	8.1+ billion
05/22-05/25	Flooding	Afghanistan	24	1,000+	Millions
05/31-06/17	Heatwave	India	210+	N/A	Unknown
06/01-10/05	Flooding	India	1,750+	200,000+	10+ billion
06/01-06/03	Severe Weather	India	10	Hundreds	Unknown
06/01-06/30	Flooding	Indonesia	2	75,047+	50+ million
06/01-08/01	Flooding	China	300+	300,000+	12+ billion
06/06-06/14	Severe Weather	India	50	10,000	75+ million
06/15-06/16	Flooding	Mongolia	12	5,000	25+ million
06/17	Earthquake	China	13	156,000+	1.45 billion
06/18	Earthquake	Japan	0	12,000+	50+ million
06/22-06/27	Severe Weather	Nepal, India	53	Unknown	25+ million
06/27-07/03	Flooding	Russia	26	10,900+	460+ million
06/28-07/04	Flooding	India	77	25,000	100+ million
06/29-07/04	Flooding	Japan	2	1,000+	125+ millions
07/01-08/31	Wildfire	Russia	0	2,000	298+ million
07/03	Severe Weather	China	6	15,000+	145+ million
07/09-07/31	Flooding	Bangladesh	210	584,000+	75+ million
07/11-07/14	Flooding	Nepal	118	15,000	50+ million
07/12-07/14	Severe Weather	Bangladesh	18	10,000	25+ million
07/14	Earthquake	Indonesia	6	2,914	17+ million
07/15	Flooding	Pakistan	28	500+	Unknown
07/18-07/23	Flooding	Sri Lanka	9	3,600+	25+ million
07/22-07/30	Heatwave	Japan	11	N/A	N/A
07/23	Landslide	China	52	21	4.5 million
07/23	Landslide	Nepal	13	Unknown	Negligible
07/25-07/31	Flooding	Russia	0	3,000+	182+ million
07/26	Earthquake	Philippines	9	1,000	15+ million
07/29-08/01	Flooding	China	0	2,500+	315+ million
07/29	Flooding	Pakistan	16	Dozens	Unknown
07/29-08/05	Heatwave	Japan	162+	N/A	Unknown
08/01-08/08	Tropical Storm Wipha	China, Vietnam	33	7,000+	120+ million
08/02	Earthquake	Indonesia	6	1,000	10+ million
08/04-08/09	Severe Weather	China	33	2,000	66+ million
08/08-08/10	Flooding	Vietnam	10	12,000+	10+ million
08/08-08/14	Landslide	Myanmar	64	27	N/A
08/09-08/11	Typhoon Lekima	China, Philippines, Japan	101	150,600	10+ billion
08/09-08/11	Flooding	Pakistan	38	1,0000+	Unknown
08/15-08/16	Typhoon Krosa	Japan	3	2,000+	75+ million
08/16-08/20	Flooding	Pakistan	16	Hundreds	Unknown
08/19-08/20	Flooding	China	37	2,200+	200+ million
08/24-08/25	Tropical Storm Bailu	Taiwan, China, Philippines	3	11,200	50+ million

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
08/27-08/30	Tropical Storm Podul	Philippines, Vietnam	18	7,500	60+ million
08/27-08/29	Flooding	Japan	3	2,000+	250+ million
08/28-08/31	Flooding	Russia	0	5,000+	34 million
09/02-09/12	Tropical Storm Kajiki	Laos, Vietnam, Cambodia	40	10,000+	75+ million
09/05-09/08	Typhoon Lingling	Japan, China, Korea	8	12,750+	211 million
09/08	Earthquake	China	1	10,000+	50+ million
09/08-09/09	Typhoon Faxai	Japan	3	185,000+	7.0+ billion
09/13-09/19	Flooding	Thailand	33	5,000+	75+ million
09/21-09/22	Tropical Storm Tapah	Japan, Korean Peninsula	2	6,000+	85+ million
09/23-09/25	Flooding	Sri Lanka	1	2,000+	25+ million
09/24	Earthquake	Pakistan	39	5,700+	17.5 million
09/25	Earthquake	Indonesia	37	6,350+	50+ million
10/01-10/02	Typhoon Mitag	China, Taiwan, Korean Peninsula	17	6,000+	835+ million
10/01-10/02	Typhoon Hagibis	Japan	98	94,000+	15+ billion
10/02	Earthquake	China	0	7,800+	10 million
10/15-10/23	Flooding	Vietnam	4	5,200+	15+ million
10/15-10/25	Flooding	China	14	Thousands	90+ million
10/16	Earthquake	Philippines	7	7,089+	25+ million
10/19-10/22	Flooding	India	12	5,500+	50+ million
10/22-10/27	Flooding	Indonesia	0	2,000+	Millions
10/24-10/26	Flooding	Japan	11	2,500+	200+ million
10/28	Earthquake	China	0	7,300+	10 million
10/29-10/31	Earthquake	Philippines	24	34,482	100+ million
10/29-11/01	Tropical Storm Matmo	Vietnam	1	2,493+	Millions

Oceania (Australia, New Zealand, South Pacific Islands)

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/01-01/31	Heatwave	Australia	N/A	Unknown	Unknown
01/28-02/07	Flooding	Australia	3	30,000+	1.9+ billion
02/11-02/25	Flooding	Papua New Guinea	4	Hundreds	Unknown
03/01-03/20	Wildfire	Australia	0	432+	40+ million
03/24-03/25	Flooding	New Zealand	1	Hundreds	15+ million
09/05-10/10	Wildfire	Australia	2	725+	55+ million

Additional Report Details

TD = Tropical Depression, TS = Tropical Storm, HU = Hurricane, TY = Typhoon, STY = Super Typhoon, CY = Cyclone

Fatality estimates as reported by public news media sources and official government agencies.

Structures defined as any building – including barns, outbuildings, mobile homes, single or multiple family dwellings, and commercial facilities – that is damaged or destroyed by winds, earthquakes, hail, flood, tornadoes, hurricanes or any other natural-occurring phenomenon. Claims defined as the number of claims (which could be a combination of homeowners, commercial, auto and others) reported by various public and private insurance entities through press releases or various public media outlets.

Damage estimates are obtained from various public media sources, including news websites, publications from insurance companies, financial institution press releases and official government agencies. Damage estimates are determined based on various public media sources, including news websites, publications from insurance companies, financial institution press releases, and official government agencies. Economic loss totals are separate from any available insured loss estimates. An insured loss is the portion of the economic loss covered by public or private insurance entities. In rare instances, specific events may include modeled loss estimates determined from utilizing Impact Forecasting's suite of catastrophe model products.

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