



Global Catastrophe Recap

July 2019

Table of Contents

Executive Summary	3
United States	3
Remainder of North America	5
South America	5
Europe	5
Middle East	6
Africa	6
Asia	7
Oceania	8
Appendix	9
Additional Report Details	13
Contact Information	14

Executive Summary

- Monsoonal flooding across Southern Asia kills hundreds and incurs multi-billion economic loss
- Hurricane Barry makes landfall in Louisiana, sets a new rainfall record in Arkansas
- Record-breaking heatwave sets temperature records across Europe



600
thousand

Estimated number of homes flooded in Bangladesh during the month of July.



4.6M
hectares

Total area burned by forest fires in Eastern Russia; 47 percent were left unextinguished



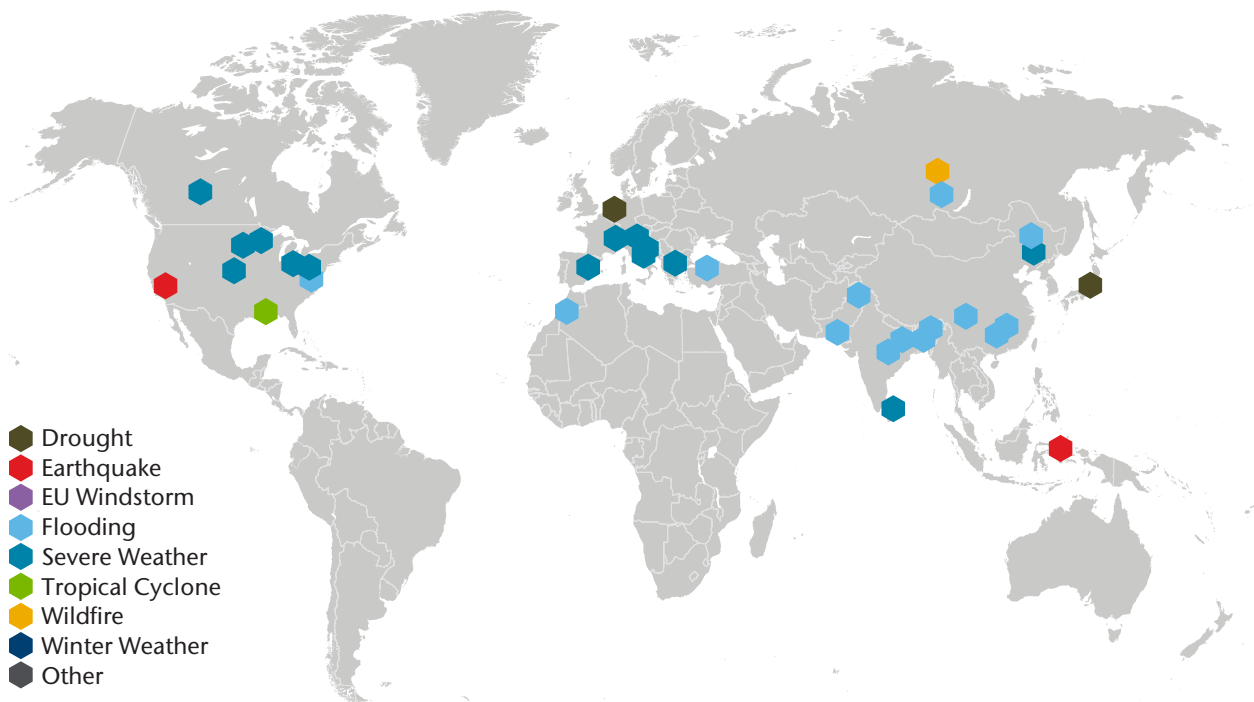
16.59
inches

Rainfall total from Barry in Arkansas, highest hurricane-induced rainfall in state record



42.6C
108.7F

New national temperature record for Germany; records also reached in four other countries



United States

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
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	50,000+	730+ million
07/07-07/08	Flooding	Maryland, Washington D.C., Virginia	0	12,000+	325+ million
07/13- 07/17	Hurricane Barry	Southeast, Midwest, Mid-Atlantic, Northeast	0	50,000+	600+ million
07/17-07/18	Severe Weather	Rockies, Midwest	0	Thousands	260+ million
07/17-07/23	Severe Weather	Midwest, Northeast, Mid-Atlantic	6	Thousands	100+ million
07/26-07/30	Severe Weather	Midwest, Northeast	0	Thousands	100+ million

A meteorological phenomenon known as a “Ring of Fire” affected parts of the U.S. at the beginning of July. powerful storms rotated around the ridge of high pressure and caused widespread wind damage. Damaging straight-line winds which gusted to upwards of 80 mph (130 kph) and baseball-sized hail in the Plains, Midwest, and the Northeast caused economic losses that were expected to top USD100 million.

Two of strongest earthquakes to strike Southern California since 1999 occurred during the first week of July: a magnitude-6.4 foreshock on July 4 and a magnitude-7.1 mainshock on July 5. No serious injuries or fatalities were reported. The tremors occurred in a largely rural part of the state but did cause some structural and indoor content damage (including instances of fires following gas leaks) in the greater Ridgecrest region and other nearby locales in Kern and San Bernardino counties. Total economic damage to infrastructure, property, and indoor contents was expected to approach USD200 million. Total insured losses were expected to be less than USD50 million.

Damaging thunderstorms led to notable hail and straight-line wind damage across parts of the Rockies and plains on July 4-5. The most significant convective storm damage occurred in parts of Colorado, as up to baseball-sized hail impacted populated areas near Denver and Fort Collins. Other states, including Wyoming, Nebraska, and South Dakota, also cited large hail and non-tornadic wind damage. Total economic losses were expected to minimally approach USD730 million, with insurers covering at least USD575 million.

Heavy rainfall – estimated as a 100 to 200-year return period event in some instances – in the greater Washington D.C. metro region on July 7-8 led to notable property damage due to flash flooding. Additional damage resulting from high convective winds also occurred. Total economic damage was estimated at upwards of USD325 million, while public and private insurers covered nearly USD150 million of the overall cost.

Hurricane Barry became the first landfalling U.S. storm of the 2019 Atlantic Hurricane Season on July 13. The Category 1 storm came ashore near Intracoastal City, Louisiana before quickly weakening to tropical storm intensity. The biggest impacts from Barry resulted from days of heavy rainfall from July 13-16 that topped 10 inches (254 millimeters) in parts of Louisiana, Arkansas, and Mississippi. Remnants of Barry would later lead to flood and thunderstorm damage across the Midwest, Mid-Atlantic, and Northeast. Total economic losses, largely flood-driven, were expected to exceed USD600 million. Public and private insurers paid out nearly USD300 million.

Powerful thunderstorms impacted parts of the Rockies, Northern Plains, and Upper Midwest on July 17-18. Episodes of large hail and damaging winds were particularly impactful in Wyoming and Minnesota. Total economic damage was estimated at USD260 million, with insurers covering up to USD200 million.

Consecutive days of severe thunderstorms traversed the outer periphery of a dome of record heat and left major storm damage in the Northern Plains, Midwest, and Northeast from July 17-23. At least six people died in heat-related incidents. Multiple “derecho” events were recorded in parts of South Dakota, Minnesota, Wisconsin, and Michigan; while rare tornadoes struck Cape Cod in Massachusetts. Heavy rainfall further led to instances of flash flooding. At least six people died in heat-related incidents. Total economic and insured losses were expected to each individually exceed USD100 million.

Severe thunderstorms swept across the Upper Midwest from July 26-28, leading to widespread damage in parts of Minnesota, South Dakota, Wisconsin, and Michigan. Much of the damage was hail-related and incurred in the greater Minneapolis, MN metro region. On July 30/31, storms initiated by the same weather pattern were ignited in the Northeast with damaging impacts in the Boston, MA metro area. Total economic and insured losses were each individually expected to exceed USD100 million.

Remainder of North America (Non-US)

Date	Event	Location	Deaths	Structures/Claims	Economic Loss (USD)
07/06-07/10	Severe Weather	Canada	0	Thousands	20+ million

Severe thunderstorms spawned instances of large hail and flash flooding in parts of the Canadian provinces of Alberta, Saskatchewan, and Manitoba from July 6-10. The most significant damage occurred in areas just south of Calgary. Total economic and insured losses were estimated into the tens of millions (USD).

South America

There were no significant disasters in South America during the month of July.

Europe

Date	Event	Location	Deaths	Structures/Claims	Economic Loss (USD)
07/01-07/03	Severe Weather	Western & Central Europe	1	20,000+	150+ million
07/07-07/08	Severe Weather	Slovenia, Croatia	0	Thousands	40+ million
07/08	Severe Weather	Spain	1	Thousands	75+ million
07/10	Severe Weather	Greece	7	Hundreds	Millions
07/09-07/10	Severe Weather	Italy	1	Thousands	10s of 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

A notable outbreak of severe weather hit France, Germany, Italy, the Czech Republic, Poland, Romania and Austria during the first few days of July. Damage, mostly associated with large hail and severe winds, resulted in insurance payouts minimally reaching into the tens of millions (EUR) – likely higher.

Combination of large hail, strong winds and urban flooding on July 7-8 resulted in tens of millions of losses in Slovenia and Croatia. Among the hardest hit were Ptuj, Slovenia (flood, wind) and Vukovar, Trpinja and Drenovec in Croatia (hail).

Severe storms produced large hail across the eastern half of Spain on July 8, damaging at least 100,000 hectares (247,000 acres) of crops. Additionally, flash floods in Navarra region resulted in insurance payouts of EUR16 million.

Parts of Halkidiki Peninsula, Greece were hit by an unusually strong, yet localized thunderstorm on July 10. Seven people were killed due to strong winds, while dozens were injured.

On July 9-10, heavy storms brought strong winds, hail and flash floods to the Adriatic coast and other parts of Italy. Marche and Abruzzo were among the most affected regions. The economic toll will minimally reach into the tens of millions (EUR).

Another record-breaking heatwave hit multiple European countries at the end of July, a month after the first wave of record heat in June. Five countries recorded all-time national highs (Germany, Netherlands, Belgium, Luxembourg, United Kingdom). Extreme heat, coupled with relatively low rainfall in some regions, caused notable health impacts and was expected to impact multiple economic sectors.

Locally severe storms with heavy rainfall resulted in notable damage in Austria, Italy and Hungary on July 27-29. Three people were killed and both economic and insured losses were preliminary listed in the tens of millions (EUR).

Middle East

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
07/08	Earthquake	Iran	1	Thousands	Millions
07/17	Flooding	Turkey	7	2,000+	Millions

A magnitude-5.7 earthquake struck Iran on July 8. The epicenter of the tremblor was located 28 kilometers (17 miles) southeast of Masjed Soleyman in Khuzestan. The earthquake left one dead, 125 injured, and widespread minor damage to 56 villages near the epicenter.

Flash flooding affected parts of Düzce Governorate in northwestern Turkey on July 17. Seven fatalities were reported, along with hundreds of damaged properties. At least 100 buildings were destroyed.

Africa

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
07/24	Landslide	Morocco	15	N/A	N/A

Heavy rains triggered a landslide near Asni, south of Marrakech in Morocco on July 24, killing 15 people. The event did not cause any significant economic damage.

Asia

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
06/01-08/01	Flooding	China	300+	350,000+	12+ billion
07/01-08/01	Flooding	India	467+	50,000+	Millions
07/03	Severe Weather	China	6	15,000+	145+ million
07/09-07/26	Flooding	Bangladesh	210+	450,000+	40+ million
07/11-07/14	Flooding	Nepal	76+	Thousands	Millions
07/14	Earthquake	Indonesia	6	2,590+	Unknown
07/15	Flooding	Pakistan	28	150+	Unknown
07/15-07/31	Wildfire	Russia	0	Unknown	30+ million
07/18-07/23	Severe Weather	Sri Lanka	9	3,600+	Unknown
07/22-07/30	Heatwave	Japan	11	N/A	N/A
07/23	Landslide	China	51	21	Unknown
07/23	Landslide	Nepal	11	Unknown	Negligible
07/25-07/31	Flooding	Russia	0	3,000+	Millions
07/29-08/01	Flooding	China	0	2,500+	315+ million
07/29	Flooding	Pakistan	16	Dozens	Unknown

Seasonal rainfall associated with the Mei-yu frontal boundary brought additional flooding across southern sections of China within the Yangtze River Basin and northern China in July. At least 112 people were left dead or missing across the provincial regions of Jiangxi, Hunan, Guangxi, Fujian, Zhejiang, Chongqing, Guizhou, and Heilongjiang. Data from China's Ministry of Emergency Management cited that 26,000 homes were destroyed, and 195,000 hectares (482,000 acres) of cropland was damaged. Total economic losses during this time exceeded CNY47 billion (USD6.8 billion). The seasonal combined economic flood cost rose to roughly USD12 billion.

Rainfall associated with the Indian summer monsoon triggered flooding and landslides across several states of India through the month of July. According to reports, more than 467 people had been killed this season and many thousands of acres of cropland destroyed. The states of Assam, Bihar, Maharashtra and Uttar Pradesh were among the worst affected. Economic losses were expected to reach well into millions of dollars (USD); especially costs to agriculture and infrastructure.

A tornado touched down in Kaiyuan City in northeast China's Liaoning Province on July 3. The twister which lasted for 15 minutes left six people dead and 190 injured. As many as 15,000 homes were damaged or destroyed, and the total economic damage cost topped CNY1 billion (USD145 million).

During a stretch from July 9-26, no fewer than 210 people were killed or left missing due to heavy rain and flooding in Bangladesh. Nearly 600,000 homes and 13,000 hectares (32,000 acres) of crops were damaged by the floods. According to preliminary estimates, agriculture losses were minimally listed at USD40 million.

East and Middle Terai as well as the Kathmandu Valley received heavy monsoon rainfall between July 11-14. Landslides and flooding triggered by the rain led to several road blocks and damage to dozens of buildings. At least 83 people were killed, 35 left missing, 41 injured and 17,430 displaced by the flooding across Nepal.

A magnitude-7.3 earthquake struck eastern Indonesia on July 14 with an epicenter located 102 kilometers (63 miles) north-northeast of Laiwui in North Maluku. At least six people were killed, and more than 130 people injured. The tremor damaged 2,590 buildings, including homes and public facilities, with much of the material damage reported in the South West Gane subdistrict.

On July 15, a short spell of intense rain (called a cloudburst) associated with the monsoon trough triggered flash floods and landslides in Neelum Valley, Pakistan. As many as 150 homes as well as other commercial and religious structures were destroyed. The event killed 28 people and left several more missing.

Extensive wildfires burned across parts of Russia throughout the month of July, with the country's Far East and Siberian federal districts particularly affected. From July 15-31 alone, the area burned grew by 3.4 million hectares (8.4 million acres). Despite a large area affected, the fires had not posed a significant risk to property and human settlements, though smoke traversed throughout the continent. The anticipated economic cost to the forestry industry, plus costs to fight the fires, were expected to minimally reach into the tens of millions (USD).

Rainstorms brought strong winds and heavy rainfall to the Southern and Central provinces of Sri Lanka from July 18-23. The inclement weather affected 550,000 people as nine were left dead and 19 others injured. According to reports from the local Disaster Management Center, 3,600 houses were damaged.

At least 47 prefectures of Japan experienced above-average temperatures between July 22-30, following heatwave conditions at the end of the rainy season. Eleven people were killed and more than 5,600 hospitalized due to health complications.

A landslide struck the southwestern province of Guizhou in China on July 23. The landslide buried 21 buildings in Shuicheng county and left 51 people dead or missing.

In Nepal, a mudslide impacted two remote villages on July 23. Five houses were buried, leaving 11 dead and two missing.

Notable riverine flooding impacted parts of Eastern Russia at the end of July. At least 2,000 properties were flooded in Khabarovsk Territory and Amur Region in the Far East Federal District. Preliminary estimates suggested that economic losses will minimally surpass RUB500 million (USD8 million). Flooding also returned to the Irkutsk region in the Siberian district. More than 1,000 people were evacuated.

Heavy rainfall impacted northeast China's Heilongjiang Province from July 29 to August 1, resulting in flooding that damaged more than 2,500 homes. Total economic losses were minimally listed at CNY2.17 billion (USD315 million).

Heavy monsoonal rainfall triggered localized flooding in Sindh, Pakistan, including the city of Karachi on July 29. Electricity, sewage and transportation infrastructure in the region were adversely by the inclement weather that caused no fewer than 16 deaths.

Oceania (Australia, New Zealand, South Pacific Islands)

There were no significant disasters in Oceania during the month of July.

Appendix

Updated 2019 Data: January-June

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
03/12-03/31	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
04/13-04/15	Severe Weather	Plains, Southeast, Midwest, Northeast	9	100,000+	975+ million
04/17-04/19	Severe Weather	Plains, Southeast, Midwest	4	40,000+	350+ million
04/23-04/25	Severe Weather	Plains, Southeast	5	57,500+	575+ million
04/30-05/02	Severe Weather	Plains, Midwest, Southeast	2	35,000+	750+ million
05/01-07/15	Flooding	Central & Eastern U.S.	0	Thousands	4.0+ billion
05/04-05/10	Severe Weather	Plains, Midwest, Southeast	1	90,000+	1.1+ billion
05/13	Severe Weather	North Carolina	0	20,000+	290+ million
05/16-05/17	Severe Weather	Plains, Midwest	0	45,000+	425+ 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	225,000+	2.75+ billion
06/01-06/06	Severe Weather	Rockies, Plains, Midwest, Northeast	1	Thousands	100+ million
06/08-06/09	Flooding	Southeast	3	Hundreds	50+ million
06/08-06/10	Severe Weather	Rockies, Plains, Southeast	5	50,000+	575+ 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

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

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/27	Severe Weather	Cuba	6	Hundreds	Millions
02/03-02/05	Flooding	Canada	0	4,500+	110+ million
02/24-02/25	Winter Weather	Canada	0	8,000+	105+ million
03/09-03/11	Flooding	Canada	0	6,000+	110+ million
03/13-03/16	Flooding	Canada	0	11,000+	225+ million
04/16-05/14	Flooding	Canada	1	17,000+	675+ million
03/01-06/06	Wildfire	Canada	0	16+	100+ million
06/02	Severe Weather	Canada	0	1,000+	10s of Millions
06/02	Flooding	Mexico	7	1,000+	Unknown
06/03-06/06	Flooding	Haiti	4	621+	Unknown
06/30	Severe Weather	Mexico	0	Hundreds	Millions

South America

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/01-01/20	Flooding	Argentina, Uruguay	5	Thousands	2.3+ billion
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	Peru, Paraguay, Bolivia, Colombia	5	Thousands	10s of millions
04/08-04/09	Flooding	Brazil	10	Hundreds	Millions
04/20-04/22	Severe Weather	Colombia	30	Dozens	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

Europe

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/01-01/02	Windstorm Alfrida	Northern Europe	0	15,000+	50+ million
01/01-01/14	Winter Weather	Central Europe	26	Thousands	100s of 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
02/23-02/26	Severe Weather	Italy, Greece, Malta, Croatia	8	Hundreds	250+ 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
04/06	Flooding	Greece	0	Hundreds	Millions
04/18-04/20	Severe Weather	Spain	0	Hundreds	10s of millions
05/11-05/13	Severe Weather	Italy, Croatia, Bosnia	0	Hundreds	10s of Millions
05/20-05/22	Flooding	Germany, Poland	0	Thousands	100+ 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

Middle East

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/27-01/29	Flooding	Saudi Arabia	12	1,000+	Millions
01/24-01/26	Severe Weather	Turkey	2	4,100+	20+ million
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
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+

*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
01/17-01/21	Flooding	Burundi	10	Hundreds	Unknown
01/19	Flooding	Madagascar	9	Unknown	Unknown
02/10	Cyclone Gelena	Mauritius	0	Hundreds	Millions+
02/12-02/18	Flooding	Zimbabwe	26	Unknown	Unknown
02/21-02/22	Flooding	Angola	4	711+	Unknown

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
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
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
05/08-05/17	Flooding	Tanzania	5	1,000+	Millions
05/15-18	Flooding	Mali, Guinea	21	Hundreds	Millions
05/26-05/29	Flooding	Uganda	8	Dozens	Unknown
05/30-06/01	Flooding	Ghana	13	Hundreds	Millions
05/31-06/02	Flooding	Somalia	9	Unknown	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

Asia

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
01/03-01/05	Tropical Storm Pabuk	Thailand, Vietnam, Malaysia	9	2,300+	150+ million
01/06	Flooding	Afghanistan	30	0	Negligible
01/21-02/01	Flooding	Indonesia	80	22,500+	Millions
02/01-02/28	Winter Weather	China	3	N/A	95+ million
02/20-02/21	Flooding	Pakistan	26	Hundreds	Millions
02/24-02/25	Earthquake	China	2	11,000+	37+ million
02/25-02/27	Severe Weather	India	6	Hundreds	Millions
03/01-03/04	Flooding	Afghanistan, Pakistan	65	6,000+	Unknown
03/07-03/10	Flooding	Indonesia	8	Dozens	Unknown
03/16-03/18	Flooding	Indonesia	200	Hundreds	Millions
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+	Millions
03/31	Severe Weather	Bangladesh	15	Hundreds	Unknown
04/04-04/05	Wildfire	South Korea	2	1,400+	Millions
04/09	Severe Weather	Pakistan	8	Dozens	Unknown
04/11-04/12	Flooding	China	11	Unknown	Unknown
04/13-04/14	Flooding	Pakistan	20	Dozens	Unknown
04/15-04/17	Severe Weather	Afghanistan, Pakistan, India	146	Hundreds	Millions
04/19-04/20	Wildfire	Russia	0	311	20+ million
04/22-04/23	Earthquake	Philippines	21	5,100+	50+ million
04/25-04/27	Flooding	Indonesia	44	1,200+	15+ million
05/01-08/01	Drought	China	0	N/A	1+ billion
05/03-05/05	Cyclone Fani	India, Bangladesh	89	Thousands	Billions
05/22-05/25	Flooding	Afghanistan	24	330+	Millions
05/23-05/29	Flooding	China	9	Hundreds	165+ million
01/01-12/31	Drought	India	0	N/A	1.75+ billion

Date	Event	Location	Deaths	Structures/ Claims	Economic Loss (USD)
05/31-06/17	Heatwave	India	210+	N/A	Unknown
06/01-06/03	Severe Weather	India	10	Hundreds	Unknown
06/01-06/30	Flooding	Indonesia	2	75,047+	50+ million
06/03	Flooding	Afghanistan	2	Hundreds	Millions+
06/01-08/01	Flooding	China	300	350,000+	12+ billion
06/06-06/14	Severe Weather	India	50	Dozens	Unknown
06/15-06/16	Flooding	Mongolia	12	Hundreds	Unknown
06/17	Earthquake	China	13	156,000+	1.0+ billion
06/18	Earthquake	Japan	0	1,000+	10s of Millions
06/22-06/27	Severe Weather	Nepal, India	53	Unknown	Unknown
06/27-07/03	Flooding	Russia	26	9,200+	460+ million
06/28-07/04	Flooding	India	77	Thousands	Millions+
06/29-07/04	Flooding	Japan	2	1,000+	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
02/04-02/27	Wildfire	New Zealand	0	Dozens	Millions
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	Millions+

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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