## 2012 Major Water-Related Disasters in the World

Russia (Jul. 2012) The torrential rains recording 280 mm for several hours caused floods and landslides in Krasnodar region. The death toll was 172.

Bulgaria (Feb. 2012) A dam wall was broken by heavy rains and melting snow. 5 people were killed.

## Spain (Sep. 2012) The Heavy rains recording 245 mm in half a day triggered floods in Andalucía and other provinces in southern Spain. 10 people were killed and more than 600

people were evacuated. Niger (Aug. 2012) The torrential rain in the rainy season overflowed the Niger River, killing 91 and affecting 500,000. The capital city of Niamey was inundated.

Nigeria (Jul. 2012) In the State of Plateau, central Nigeria, torrential rains caused flood. 49 died and 36 were missina. \*

Uganda (Jun. 2012) Landslides triggered by torrential rains buried two villages in the Bunda District. eastern Uganda. 18 people were killed.

## Kenya (Apr. 2012) Several weeks of torrential rains triggered flash floods in parts of Kenva, 73 were killed and approximately 280,000 were affected across the country.

Afghanistan (May 2012) Torrential rains caused flash floods in Sari Pul and other provinces. More than 21 dead, more than 80 missing.\*

Afghanistan (May 2012) Floods caused by torrential rain in Northern Afghanistan killed more than 50 people and left 76 missina.\*

India (Jun. 2012)

more than 120.

India (Sep. 2012)

the northern state of

45.

Floods and landslides caused

hit the northeastern state of

Assam and more than 2.2

million were evacuated for

collapsed houses and other

reasons. The death toll was

Heavy monsoon rains caused

flash floods and landslides in

Uttarakhand. The death toll was

by heavy monsoon rains mainly

Pakistan (Sep. 2012) Heavy monsoon rains caused flash floods in eastern part of Pakistan. The death toll was 480. About 5 million people were affected.

Nepal (May 2012) An avalanche and landslide near Mt. Machhapuchhre triggered a catastrophic flash flood on Seti River. 72 died.

Sri Lanka (Dec. 2012)

China (May. 2012) Hail and torrential rains affected 185,000 people in Hunan and Gansu provinces, killing 53 people.

China (Jun. 2012) In Inner Mongolia and southern parts of China. landslides and flooded rivers killed 91.

China (Jul. 2012) Torrential rains caused floods in Beijing and surrounding areas and killed 151.

Philippines (Aug. 2012) Floods and landslides caused by torrential rains killed 53 and affected more than 440.000

Bangladesh (Jun. 2012) Heavy monsoon rains triggered landslides and floods in south- and north-east Bangladesh. Mud banks collapsed and houses were buried. 139 people were killed.

Bangladesh (Oct. 2012) Tropical storms hit coastal areas with storm surge, violent winds and heavy rains. 108 people were killed.

## Typhoon Saola and the southwest monsoon triggered floods. landslides. and mudflows in the islands of Luzon, Visayas and Mindanao. The death toll was 189.

Philippines (Dec. 2012) Typhoon Bopha hit the island of Mindanao and widely surrounding areas. Torrential rains and powerful winds caused flash floods and landslides, leaving 1,901 people dead.

Basically filtered the disasters with more than 10 death in the developed countries and with more than 50 death in the developing countries

North and South Korea (Aug. 2012) Powerful winds, floods, and landslides were brought by Typhoons. 22 killed in South Korea and 59 killed in North Korea.

North Korea (Jul. 2012) Typhoon Khanun caused floods in parts of North Korea. There were also landslides and flash floods. 88 people were killed and about 90,000 were affected

US (Oct. 2012) Hurricane Sandy battered New York City and New Jersey with powerful winds, storm surge, and floods, killing 54. Infrastructures including a power plant and subways were severely damaged.

Haiti (Oct. 2012) Torrential rains and powerful winds by Hurricane Sandy hit parts of Haiti and affected about 20,000 people. The death roll was 75.

Local Survey carried out Number of Death 0~49 Number of Death 50~99

Number of Death 100~499

Number of Death 500~999

Number of Death 1000~

Source (death toll and affected No.):D. Guha-Sapir, R. Below, Ph. Hoyois -EM-DAT: International Disaster Database - www.emdat.be -Université Catholique de Louvain -Brussels - Belgium. (figures with \* are from press release)

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