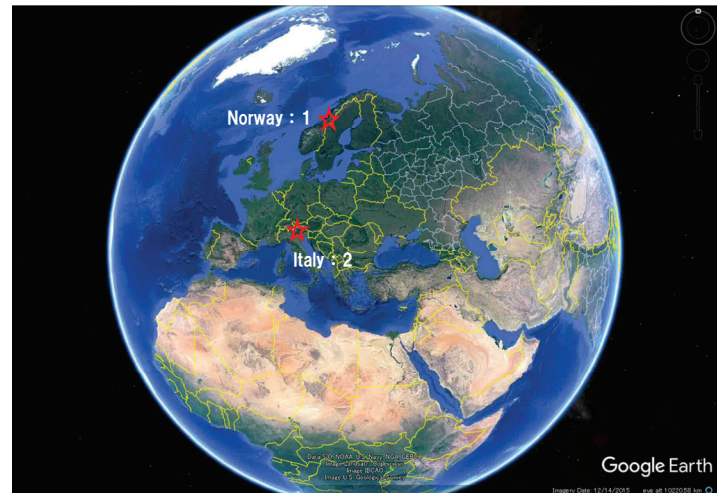
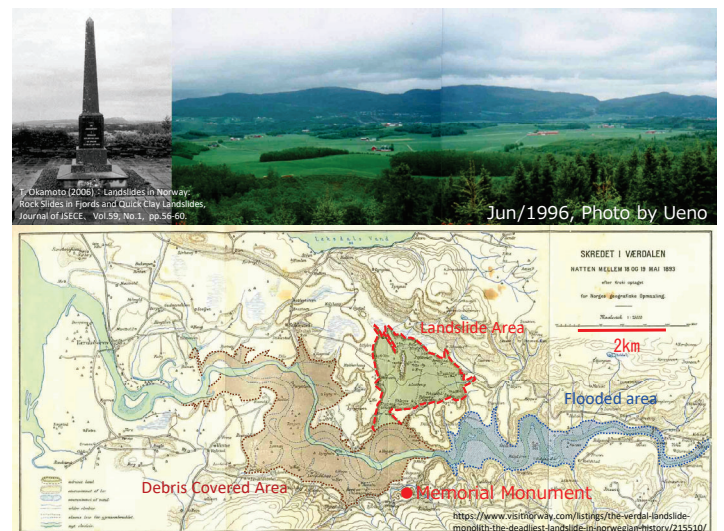
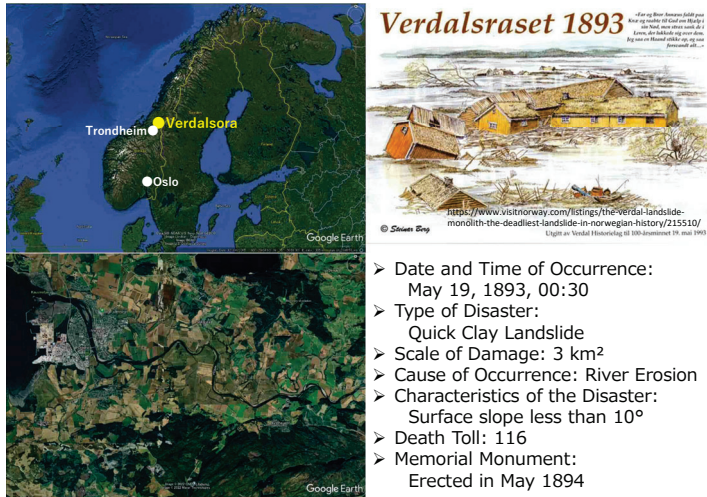




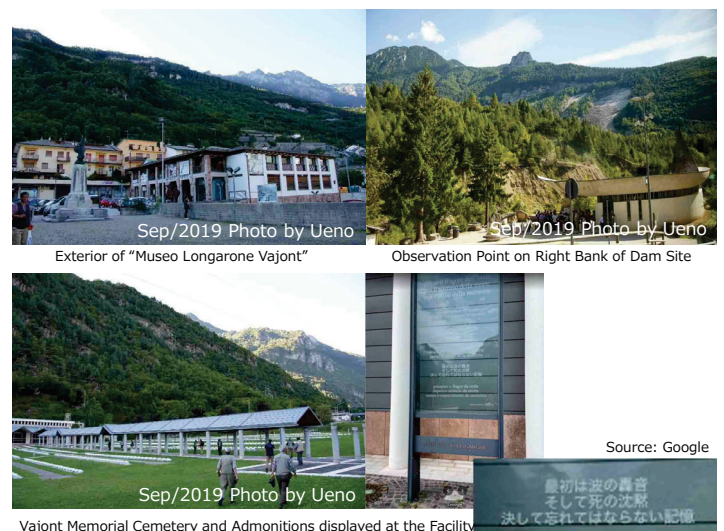
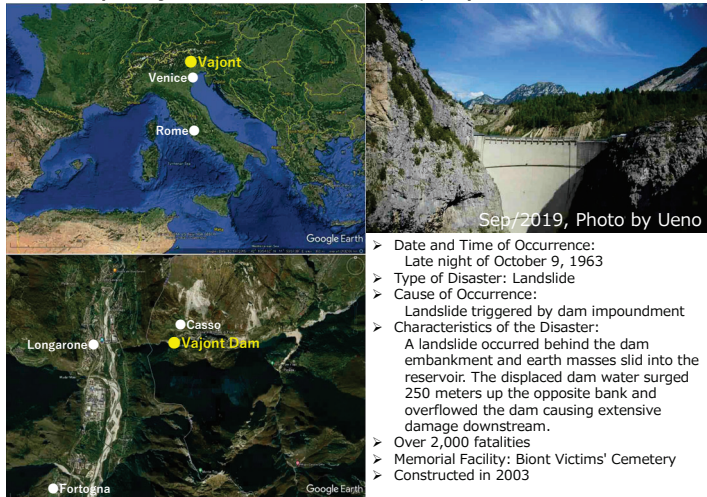
1. Natural Disaster Memorial Monuments in the World (1): Europe



2-1. Europe: Vardal landslide disaster, Norway



2-2. Europe: Vajont Dam Landslide Disaster, Italy



2-3. Europe: Mt. Vesuvio Volcanic Eruption Disaster, Italy



A photo of Pompei, which was covered by pyroclastic flows during the eruption of 79 AD



Sep/2001, Photo by Nishimura

- Date and Time of Occurrence: Early morning of December 16, 1631
- Type of Disaster: Volcanic Disaster
- Cause of Occurrence: Volcanic Eruption
- Characteristics of the Disaster: Several months before the eruption, precursory phenomena such as earthquakes had been observed, but after a silence of about 300 years, a massive volcanic eruption occurred (VEI-5). The towns at the foot of the volcano were struck by pyroclastic flows, volcanic ash, and lava flows, resulting in over 4,000 casualties.
- Memorial Facility: The Inscription of the Governor of Naples at Portici.
- Constructed in January 1632.



Source: Google Street View

Portici Volcanic Eruption Memorial

This inscription contains descriptions of the precursors to volcanic eruptions and advises people to evacuate immediately if they notice these signs.

It is considered the world's first "Disaster Prevention Declaration."



Source: Wikimedia Commons

1. Natural Disaster Memorial Monuments in the World (2): N/S America



2-4. North America: Mt. St. Helens Mountain Collapse, Washington, USA



Landscape after the landslide and the Visitor Center Observatory (currently closed) Mar/2001 : Photo by Ueno



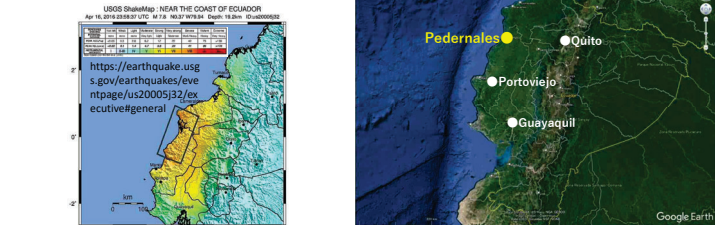
Before the Landslide

- Date and Time of Occurrence: Around 8:30 AM on May 18, 1980
- Type of Disaster: Eruption accompanied by a direct-hit earthquake and Mountain collapse
- Cause of Occurrence: Volcanic activity
- Disaster Characteristics: A horseshoe-shaped caldera with a diameter of 1.5 km was formed by the mountain collapse, reducing the elevation from 2,950 m to 2,550 m
- Damage: 57 fatalities, 200 houses destroyed
- Disaster-Related Facilities: Mount St. Helens National Volcano Memorial Park was established, with two visitor centers opened

Mount St. Helens Visitor Centers



2-5. South America: Monument to the 2016 Earthquake Disaster in Pedernales, Ecuador



Damage Situation in Downtown Portoviejo

A restaurant operating in a reused disaster-damaged building Aug 2021, Photo by Nishimura



Aug/2021, Photo by Nishimura

- Date and Time of Occurrence: Around 18:58 on April 16, 2016
- Type of Disaster: Earthquake Disaster
- Cause of Occurrence: Seismic activity at the plate boundary
- Disaster Characteristics: Damage: 661 fatalities, 16,600 injured, 58 missing, building collapses
- Numerous building collapses occurred even in cities hundreds of kilometers away
- Disaster Memorial: Installed on the beach in Pedernales
- "New Pedernales: In memory of those who lost their lives in the earthquake of April 16, 2016"

2-6. South America: Commemorative Monument for the 2011 Heavy Rain Disaster, Nova Friburgo, RJ, Brazil



Serviço Geológico do Brasil - CPRM



May/2016 Photo by Nishimura

- Date of Occurrence: January 11-12, 2011
- Type of Disaster: Heavy Rain Disaster
- Cause: Flooding and landslides
- Characteristics: Occurred in the mountainous region of northern Rio de Janeiro State. Landslides and debris flows struck slopes and urban areas in valleys, while flooding spread along rivers.
- Disaster Memorial: Erected on the grounds of the Nova Friburgo City Fire Station (Firefighter Memorial)

2-7. South America: Recurring Flooding Disaster, Blumenau, SC, Brazil



May/2016, Photo by Nishimura

May/2016, Photo by Nishimura



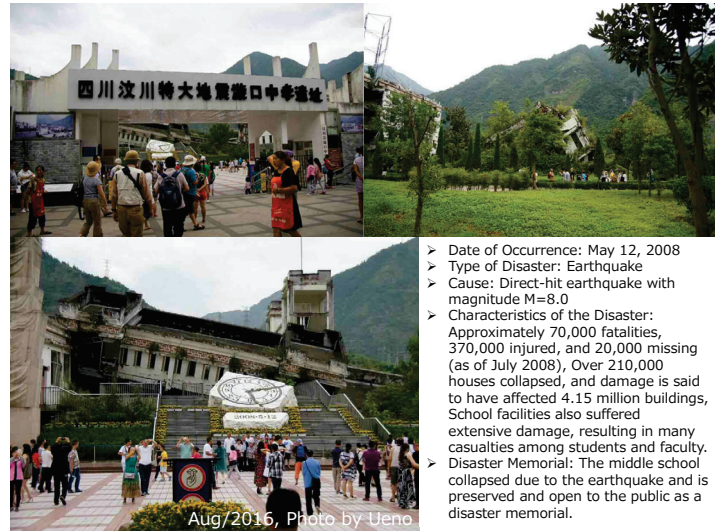
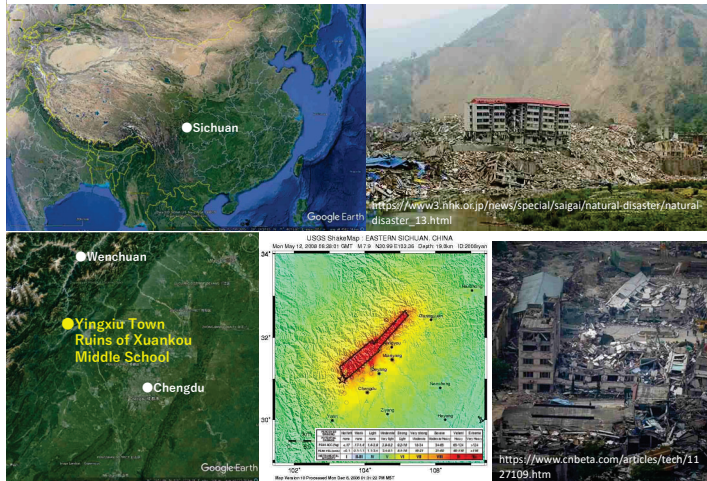
Source: Google Streetview

May/2016, Photo by Nishimura

1. Natural Disaster Memorial Monuments in the World (3): Asia

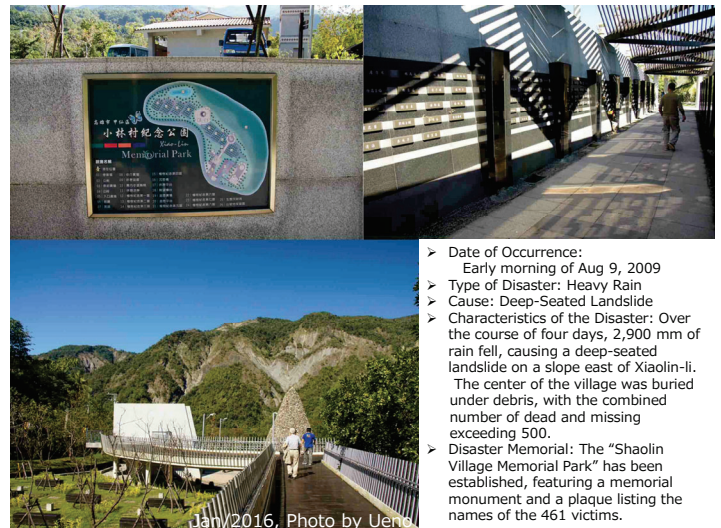
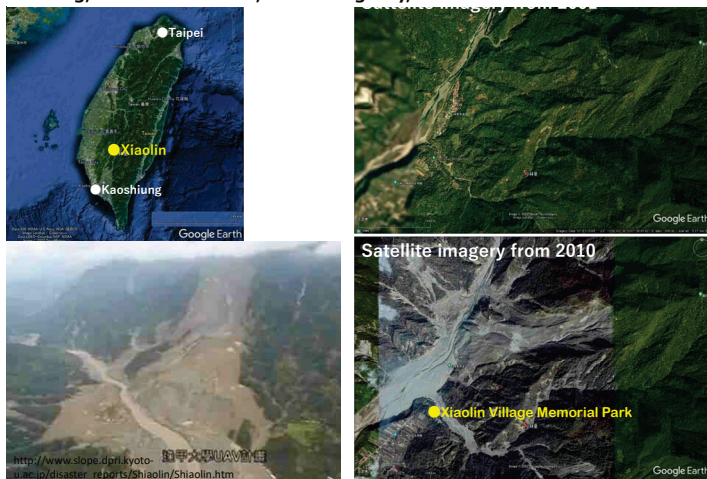


2-8. Asia: Disaster Ruins from the 2008 Sichuan Earthquake, Wenchuan County, Sichuan Province, China



- Date of Occurrence: May 12, 2008
- Type of Disaster: Earthquake
- Cause: Direct-hit earthquake with magnitude M=8.0
- Characteristics of the Disaster: Approximately 70,000 fatalities, 370,000 injured, and 20,000 missing (as of July 2008). Over 210,000 houses collapsed, and damage is said to have affected 4.15 million buildings. School facilities also suffered extensive damage, resulting in many casualties among students and faculty.
- Disaster Memorial: The middle school collapsed due to the earthquake and is preserved and open to the public as a disaster memorial.

2-9. Asia: Memorial Facility of a Deep-seated Landslide Disaster in Aug, 2009 in Xiaolin-li, Kaoshiung City, Taiwan



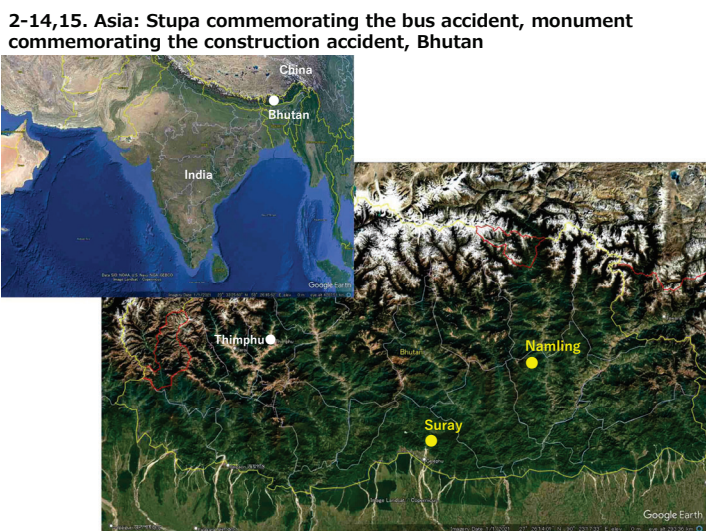
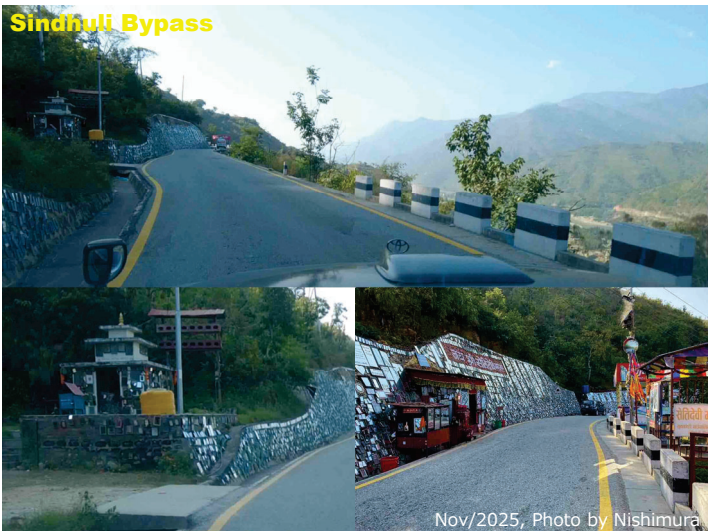
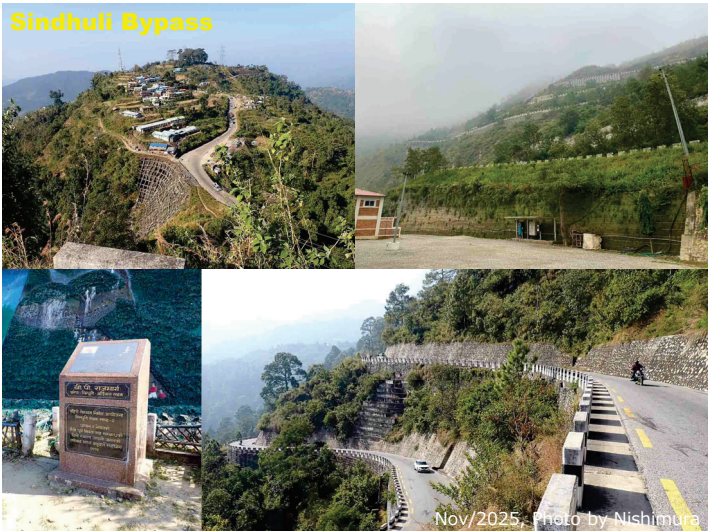
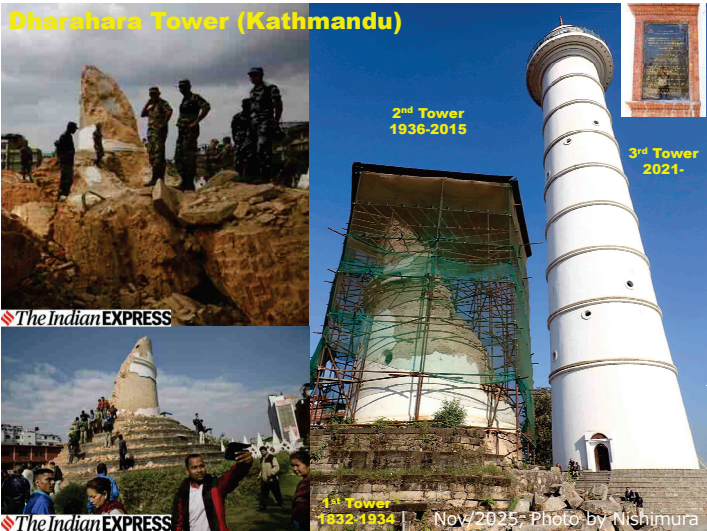
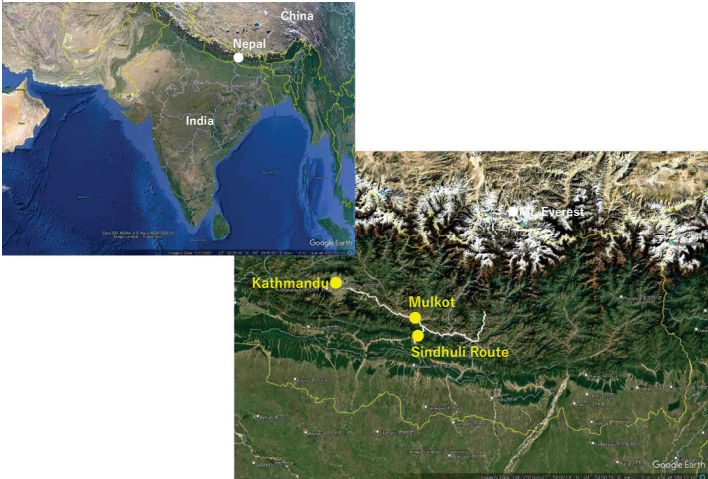
- Date of Occurrence: Early morning of Aug 9, 2009
- Type of Disaster: Heavy Rain
- Cause: Deep-Seated Landslide
- Characteristics of the Disaster: Over the course of four days, 2,900 mm of rain fell, causing a deep-seated landslide on a slope east of Xiaolin-li. The center of the village was buried under debris, with the combined number of dead and missing exceeding 500.
- Disaster Memorial: The "Shaolin Village Memorial Park" has been established, featuring a memorial monument and a plaque listing the names of the 461 victims.

2-10. Asia: Remnants of the 1999 Taiwan Earthquake (Jiji Earthquake)



Earthquake occurred: Around 1:47 a.m. on September 21, 1999

2-11,12,13. Asia: Earthquake disaster monuments, Road accident
memorials and temples, Nepal



Thank you!

धन्यवाद



!Gracias!

Obrigado!

谢谢你!

Grazie!

Kadinche!

Takk skal du ha!



ご清聴ありがとうございました

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