GLIDE: Global Unique Disaster Identifier for Effective Sharing of Disaster Information

Purpose: Information
Submitted by: Japan
11.03  DRR policy priorities and APEC DRR Framework implementation.

GLIDE: Global Unique Disaster Identifier for effective sharing of Disaster Information

Asian Disaster Reduction Center
GLIDE has been widely used for effective sharing of disaster data sources among diverse organizations. GLIDE facilitates identifying APEC wide effects of natural disasters.

Case of Aitape Tsunami

TS-1998-000220-PNG

Hazard Code  Year  Serial Number  ISO Code

GLIDE has been referred to by many organizations

GLIDE numbers issued between 2001 to 2016 amounted to approximately 5200. In 2017, 197 GLIDE numbers were issued in total including 48 for APEC economies.
In 2018, as of February 17th, 16 GLIDE numbers have been issued including three for APEC economies, as follows:

<table>
<thead>
<tr>
<th>GLIDE number</th>
<th>Event</th>
<th>Country</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>VO-2018-000002-PNG</td>
<td>Volcano</td>
<td>PNG</td>
<td>The Kadovar volcano, previously considered dormant, has erupted for the first time in known history. As of 6th of January, over half of the island was covered in volcanic products. The darkening color of the ash indicates that is a high potential for the eruption to become explosive. Due to the steepness of the volcano, there is a high risk for landslides. In case of an explosion, tsunamis can also be expected to affect Kadovar and the nearby islands.</td>
</tr>
<tr>
<td>VO-2018-000005-PHL</td>
<td>Volcano</td>
<td>Philippines</td>
<td>On Sunday, 14th of January 2017 Philippine Institute of Volcanology and Seismology increased the alert level for Mount Mayon to three (scale 1-5), which indicates a prospect of hazardous eruption within the following weeks or even days. On Monday, 15th, ash clouds were seen erupting from the crater with lava falling down the slopes. At least 15 000 people living nearby have fled their homes.</td>
</tr>
<tr>
<td>EP-2018-000013-IDN</td>
<td>Epidemic</td>
<td>Indonesia</td>
<td>On 16 January 2018, Indonesian Ministry of Health has declared a measles outbreak and malnutrition in the Asmat District of the Papua Province. The National Health Crisis Centre activated its public health emergency operation center to monitor the impact of the crisis regularly. As of 21 January 2018, at least 602 positive measles cases have been identified. Papua, as one of the poorest area of Indonesia, has a poor food security status. A large proportion of the population, especially children, are suffering of malnutrition and weakened immunity, which makes them more vulnerable to measles and its complications. Only 17% of the area's population are vaccinated against measles.</td>
</tr>
</tbody>
</table>
## Backgrounds of GLIDE

<table>
<thead>
<tr>
<th>Year</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2001 March</td>
<td>ADRC proposed a Disaster Unique ID, a prototype of GLIDE</td>
</tr>
<tr>
<td>August</td>
<td>The name GLIDE was agreed by Relief Web, IFRC, FAO, ISDR, UNDP, LaRED, WB at the Technical Advisory Group Meeting by CRED in Brussels</td>
</tr>
<tr>
<td>2002 January</td>
<td>GLIDE number issuing has been initiated by CRED</td>
</tr>
<tr>
<td>2004 May</td>
<td>GLIDENUMBER.NET has come into operation</td>
</tr>
<tr>
<td>2005 March</td>
<td>WCDR in Hyogo: GLIDE As the common international language</td>
</tr>
<tr>
<td>2006</td>
<td>GLIDE number has become a basic information for Sentinel Asia operation</td>
</tr>
<tr>
<td>2008-2016</td>
<td>ADRC undertook an ASEAN cooperation project of Capacity building Training targeting for 10 ASEAN countries.</td>
</tr>
<tr>
<td>2015 March</td>
<td>WCDRR in Sendai: UN-ISDR-ADRC informal exchanges on GLIDE</td>
</tr>
<tr>
<td>2016 February</td>
<td>ACDR2016 in Phuket: A follow up Workshop on ASEAN Cooperation Project</td>
</tr>
<tr>
<td>November</td>
<td>AMCDRR at Delhi, in a Thematic Event “Partnerships and Innovations for improving Disaster Loss Accounting”</td>
</tr>
</tbody>
</table>
GLIDE numbers facilitate identifying disasters

### Case: Two earthquakes that hit Mexico in 2017

<table>
<thead>
<tr>
<th>Dates</th>
<th>GLIDE number</th>
<th>Event</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017/9/19</td>
<td>EQ-2017-000138-MEX</td>
<td>Earthquake</td>
<td>On 9/19/2017 6:14:39 PM, an earthquake occurred in Mexico potentially affecting 7990000 people within 100km. The earthquake had Magnitude 7.1M, Depth:51.01km.</td>
</tr>
<tr>
<td>2017/9/8</td>
<td>EQ-2017-000128-MEX</td>
<td>Earthquake</td>
<td>An earthquake of magnitude 8 at a depth of 35 km occurred near the southwestern coasts of Chiapas State on 8 September at 4.49 UTC. The epicentre was located approx. 96 km southwest of Pijijiapan city (population 15400 people). USGS PAGER estimated a shaking up to &quot;Severe&quot; for 161000 people and up to &quot;Very Strong&quot; for 920000 people.</td>
</tr>
</tbody>
</table>

### Case: The earthquake that hit Iran and Iraq in 2017

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<tr>
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<th>Event</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>EQ-2017-000165-IRN</td>
<td>Earthquake in Iran</td>
<td>At 21:18 local time (18:18 UTC) northwest Iraq/northern Iran experienced an earthquake in the magnitude of approximately 7.2 - 7.5, according to European-Mediterranean Seismological Centre (EMSC). The epicenter of this earthquake is located 32kms from the city of Halabja. The earthquake was felt across Iraq, including in the cities of Baghdad, Erbil, Sulaymaniyyah, Kirkuk and Basra.</td>
</tr>
<tr>
<td>EQ-2017-000165-IRQ</td>
<td>Earthquake in Iraq</td>
<td>On 12 November 2017 at 21:18 local time (18:18 UTC) northeast Iraq experienced an earthquake in the magnitude of 7.3 on the Richter scale, according to United States Geological Survey (USGS). There have been nine reported fatalities and over 550 people injured in Iraq.</td>
</tr>
</tbody>
</table>
GLIDE as an effective information sharing tool for natural disasters affecting many economies

The Indian Ocean Tsunami and Earthquake, 2004

26/Dec/2004

Tsunami hits Sumatra in Indonesia
Tsunami hits Phuket and southern Thailand
Tsunami hits northern Malaysia
Tsunami hits southern Sri Lanka
Tsunami hits Southeast India
Tsunami hits Myanmar
Tsunami hits Bangladesh
Tsunami hits Maldives
Tsunami hits Somalia
### Identifying a typhoon and relevant disasters affecting many economies

<table>
<thead>
<tr>
<th>Date</th>
<th>Phenomena</th>
<th>GLIDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>01/Sep/04</td>
<td>ADRC generate GLIDE for typhoon A</td>
<td>TC-2004-000187-</td>
</tr>
<tr>
<td>07/Sep/04</td>
<td>Many houses were lost in the Philippines</td>
<td>TC-2004-000187-PHL</td>
</tr>
<tr>
<td>12/Sep/04</td>
<td>200 people evacuated to avoid Storm Surge in China</td>
<td>SS-2004-000187-CHI</td>
</tr>
<tr>
<td>15/Sep/04</td>
<td>10 people dead by Landslide in Korea</td>
<td>LS-2004-000187-KOR</td>
</tr>
<tr>
<td>17/Sep/04</td>
<td>1000 houses were flooded in Japan</td>
<td>FL-2004-000187-JPN</td>
</tr>
</tbody>
</table>
Glide numbers for APEC region by types of disasters

Source: ADRC
Glide numbers by APEC economy

Source: ADRC
Towards building DRR knowledge bases

GLIDE could be used as a key tool to facilitate:

- identifying natural disasters on which we need information
- linking databases developed for diverse DRR purposes by different organizations and
- sharing information and establishing knowledge bases for DRR cooperation beyond borders
GLIDEnumber

GLIDE Search

Select Continent:
Any
Africa
America
Asia
Europe
Oceania

Select Country:
Any
(Associated States)
Afghanistan
Albania
Algeria
American Samoa
Angola
Annua

Select Event:
Any
CW - Cold Wave
CE - Complex Emergency
DR - Drought
EQ - Earthquake
EP - Epidemic
EC - Extratropical Cyclone
ET - Extreme Temperature (Use CW/HW instead)

Use Ctrl-Click and/or Shift-Click for multiple selections. If no selections are made, all items will be selected.

Type keywords: 
Looking for: 

Search between these dates:
From: 
To: 

Hits per page: 
Sorted by: 

Search Results:

GLIDEnumber | Event | Country | Comments
--- | --- | --- | ---
EQ-2017-000167-KOR | earthquake | Korea Republic | The 5.4 magnitude tremor hit the south-eastern port city of Pohang in the afternoon, and dozens of aftershocks have occurred since. It has left at least 57 people injured and more than 1,500 homeless.

EQ-2017-000167-IRA | earthquake | Iraq | The 5.4 magnitude tremor hit the south-eastern port city of Pohang in the afternoon, and dozens of aftershocks have occurred since. It has left at least 57 people injured and more than 1,500 homeless.

EQ-2017-000167-IRN | earthquake | Iran | The 5.4 magnitude tremor hit the south-eastern port city of Pohang in the afternoon, and dozens of aftershocks have occurred since. It has left at least 57 people injured and more than 1,500 homeless.

Latest Events:

EQ-2017-000167-KOR Earthquake, Korea Republic: The 5.4 magnitude tremor hit the south-eastern port city of Pohang in the afternoon, and dozens of aftershocks have occurred since. It has left at least 57 people injured and more than 1,500 homeless.

EQ-2017-000167-IRA Earthquake, Iraq: On 12 November 2017 at 21:18 local time (18:18 UTC) northeast Iraq experienced an earthquake in the magnitude of 7.5 on the Richter scale, according to United States Geological Survey (USGS). There have been nine reported fatalities and over 550 people injured in Iraq.

EQ-2017-000167-IRN Earthquake, Iran, Islamic Republic: At 21:18 local time (18:18 UTC) northwest Iraq/northern Iran experienced an earthquake in the magnitude of approximately 7.2 - 7.5, according to European-Mediterranean Seismological Centre (EMSC). The epicenter of this earthquake is located 32kms from the city of Malabia. The earthquake was felt across Iraq, including in the cities of Baghdad, Erbil, Sulaymaniya, Kirkuk and...
Thank you very much