

## **3-2. Database on Disaster Risk Reduction**

### **3-2-1. Latest Disaster Information**

When a natural disaster occurs, information on the damage situation of the affected area, emergency response and relief is collected and disseminated through media, national and local governments, international organizations, research institutions and civil societies in the affected countries and throughout the world. Such information was once provided largely individually, it took time to get all the necessary information, which prevented from immediate data collection activities in case of emergency.

Since its inception in 1998, ADRC has developed a database of the latest disaster information obtained from various sources. Summarized information with direct links to the sources enables rapid search and retrieval of information. In particular, the database provides a summary of disasters (dates, locations, and overviews), damage situations, relevant links categorized as reports/articles, geographic data, emergency relief information, urgent reports from ADRC member countries and graphic information. Such information is continually updated on its website.

Latest Disaster Information shows information flow of ADRC website starting from the top page to related information. In the top page, the disaster appears as the latest disaster, linked to detailed information. The detailed information has links to the corresponding GLIDE number, space imagery obtained in Sentinel Asia framework, and national disaster management organization of the country, when it is ADRC's member country (Figure 3-2-1 to 3-2-2).

The information originates mainly from announcements of disaster relevant organizations including those in ADRC member countries, situation reports from the UNOCHA ReliefWeb, International Federation of Red Cross and Red Crescent Societies (IFRC), and media reports. The Latest Disaster Information site is interlinked with the disaster management information of ADRC website, serving as a portal to various kinds of information. In addition, the database connected to the link to the other site "JAXA DMSS" to enhance the value to ADRC's web site using the satellite image data taken at the affected site after the natural disasters when the emergency satellite observation was conducted.

# ADRC

Asian Disaster Reduction Center (ADRC)

## Details of Disaster Information

**Indonesia : Volcanic Eruption : 2017/11/21**  
[GLIDE: VO-2017-000141-IDN](#)  
[Satellite Images \(Sentinel Asia\): ERIDL000042](#) DRR & Disaster Information ▶

<b>Duration</b>	2017/11/21
<b>Country or District</b>	Indonesia
<b>Name</b>	Volcanic Eruption
<b>Outline</b>	Mount Agung on the Indonesian island of Bali began belching smoke 700m (2,300ft) above its summit on 21 November 2017. More than 140,000 people had fled their homes in recent months before the eruption.

**Summary**

Human Impact	Physical Impact	Others
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**Related Links**

Report/Articles

- [UNOCHA 2017/12/26](#)  
On 23 and 24 December, a series of new eruptions from Mt. Agung on Bali island were recorded, with no major impact. An estimated 71,000 affected people remain in 239 evacuation sites.
- [Reuters 2017/11/27](#)

Fig.3-2-1. Latest Disaster Information on the Volcanic Eruption in Indonesia

**GLIDEnumber** Home Preferences Login Register Help Contact us

**GLIDE Record**

Event: **VO Volcano**  
 Number: **2017-000141**  
 Country: **IDN Indonesia**  
 Location: Bali  
 Date (YMD): 2017-9-25  
 Time:  
 Duration:  
 Magnitude:  
 Information Source: IFRC

Comments: The activity of Mount Agung in Bali has increased from Level 3 (High Alert: Orange/Ready to erupt) to Level 4 (Red/Danger). The increased seismic activity in the region is increasing the danger of eruption. As of 24th of September, over 35,000 people have been evacuated from the high risk areas. The number is expected to increase in the upcoming days.

Aproximate Location:

Done

Fig.3-2-2. GLIDE Number of the disaster

**Emergency Obs. Request Information**

Emergency Obs. ID:   
 Disaster Type:  Country:   
 Occurrence Date (UTC): Date  Time  GLIDE Number:   
 ADRC URL:

**Escalation to the Charter, Space and Major Disasters**

Request to escalate this EO to the Charter

**Disaster Situation**

Indonesia's Mount Agung in Bali erupted for the second time on Saturday (Nov 25), occurred at 5.30pm local time. The Indonesian Volcanology and Geological Disaster Mitigation Center (PVMBG) has raised the alert level of Mount Agung from three level to four level from 6am on Monday, indicating eruption hazards on and near the volcano. "We raise the status because the eruptions of Mount Agung have shifted from phreatic to magmatic ones, since red glow was seen from the peak of the Mount Agung on Sunday at 9 p.m. local time," I Gede

**Satellite Images(Before Disaster)**

**Satellite Images(After Disaster)**

**IRS(Jpeg)**

RESOURCESAT-2A 30/Nov/2017 10:30  
 RESOURCESAT-2A 30/Nov/2017 10:30

Fig.3-2-3. Satellite imageries of the disaster in Sentinel Asia

## 3-2-2. Asian Disaster Reduction Center Newsletter: ADRC Highlights

ADRC has been using Internet and e-mail to share information with its counterparts in the member countries, and other relevant parties. As one of its important tools for information dissemination, ADRC has been issuing the newsletter “ADRC Highlights” since 1 June 1999. It had been issued twice a month until FY 2007, and has been issued once a month since the renewal of its design in FY 2008.

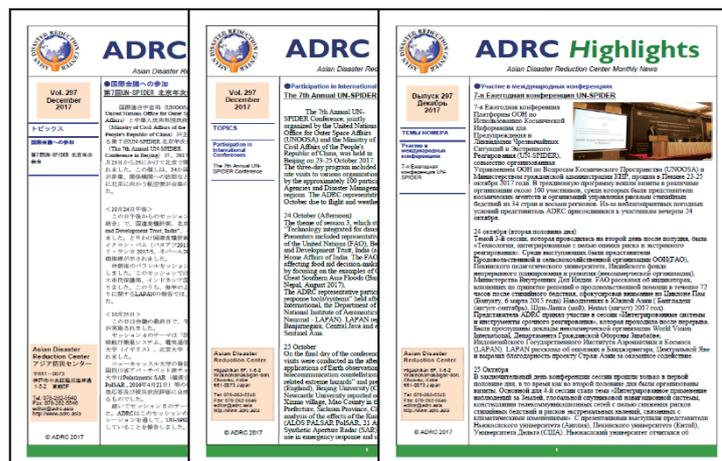


Fig.3-2-4. ADRC Highlights (December 2017: Japanese edition, English edition, Russian edition)

The newsletter is made available on the website. It is also e-mailed in English, Russian and Japanese to ADRC counterparts and former visiting researchers, former GLObal IDentifier number (GLIDE) visiting researchers, participants in the past ADRC annual meetings, visitors to ADRC, trainees in JICA's training courses which ADRC were involved in, and participants in international conferences ADRC took part in to strengthen relations with. Also ADRC registers e-mail addresses of those who wish to subscribe the newsletter upon the receipt of request e-mail. The numbers of subscribers in English, Russian and Japanese, are 2,168, 223 and 903 respectively as of January 2017.

The contents include articles on the latest ADRC activities, reports on international conferences, and other events which ADRC staff attended and gave presentations in, as well as national reports by ADRC visiting researchers from member countries.

Table.3-2-1. Headlines from ADRC Highlights (FY2017)

Vol.	Main Articles
289	✓ Participation in the APEC Emergency Preparedness Working Group
290	✓ Evacuation Drills and Former ADRC Visiting Researchers in Armenia
291	<ul style="list-style-type: none"> <li>✓ Observations on Community-Based Disaster Risk Reduction Efforts in Kobe City by the Study Team led by Mr. Gu Zhaoxi, Vice Minister, Ministry of Civil Affairs, China</li> <li>✓ 12th Annual Meeting of the Working Group on Disaster Risk Reduction by the UNESCAP/WMO Typhoon Committee</li> </ul>
292	✓ Global Platform (GP) for Disaster Risk Reduction 2017
293	✓ JICA Training Course: Comprehensive Disaster Risk Reduction for Central Asia and the Caucasus 2017
294	<ul style="list-style-type: none"> <li>✓ Applying Space-Based Technology and Information and Communication Technology to Strengthen Disaster Resilience</li> <li>✓ ADRC Visiting Researcher Report - Mr. Wangchuk Tashi (Bhutan)</li> </ul>
295	<ul style="list-style-type: none"> <li>✓ ADRC Visiting Researcher Report - Ms. Hasmik Kirakosyan (Armenia)</li> <li>✓ ADRC Visiting Researcher Report - Mr. Marc Gil P. Calang (Philippines)</li> <li>✓ Report from ADRC Internship - Mr. Kazuyoshi Morimoto</li> </ul>
296	✓ 24th Session of the Asia-Pacific Regional Space Agency Forum (APRSAF-24)
297	✓ The 7th Annual UN-SPIDER Conference
298	<ul style="list-style-type: none"> <li>✓ Happy New Year 2018 -Masanori HAMADA, Chairman, ADRC</li> <li>✓ ADRC Visiting Researcher Report - Mr. Brohi Nasur Ullah (Pakistan)</li> <li>✓ ADRC Visiting Researcher Report - Ms. Srikwan Puntatip (Thailand)</li> </ul>
299	<ul style="list-style-type: none"> <li>✓ ADRC Visiting Researcher Report - (tbd) - Mr. Pham Hong Thanh(Vietnam)</li> <li>✓ Participation in International Conferences Fifth Joint Project Team Meeting for Sentinel Asia STEP3 (JPTM2018) Held in Taiwan</li> </ul>
300	✓ JICA Training Course (tbd)