

3-2. Database on DRR

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.

Figure 3-2-1 to Figure 3-2-4 shows information flow of ADRC website starting from the top page to related information. The earthquake that hit Indonesia in December 2016 is shown as example. In the top page, the disaster appears as the latest disaster, linked to detailed information (Figure 3-2-1). 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 3-2-2 to 3-2-4).

The screenshot shows the ADRC website interface. At the top, there is a navigation bar with links for 'Glossary on Natural disasters', 'Site Map', 'Japanese', and 'Русский'. Below this is a search bar. The main content area is divided into several sections: 'What's new', 'The Latest Disaster Information', 'Social Media', 'Online Resources', and 'Reports on ADRC Projects'. The 'The Latest Disaster Information' section is highlighted with a red box and contains the following entries:

- 2017/01/06**: Widespread flooding in southern Thailand has killed at least 44 people and affected more than 1.6 million people. [->>Read more](#)
- 2016/12/25**: Typhoon NOCK-TEN (Local name: NINA) made landfall in the Philippines on 25 December 2016, killing three people and affecting nearly two million people. [->>Read more](#)
- 2016/12/07**: A 6.5 magnitude quake struck near the town of Sigli on Sumatra Island, Indonesia on 7 December 2016. More than 100 persons were killed. [->>Read more](#)
- 2016/12/01**: Heavy rainfall since 13 December 2016 has caused severe flooding in Central and South-Central Vietnam and parts of the Central Highlands. 15 people are known to have died and four people are missing. [->>Read more](#)

Figure 3-2-1 ADRC website

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. The database provides information of more than 2,166 disasters in the world as of 27 January 2017.

ADRC
Asian Disaster Reduction Center (ADRC)

Details of Disaster Information

Indonesia : Earhtquake : 2016/12/07
[GLIDE: EQ-2016-000127-IDN](#)
[Satellite Images \(Sentinel Asia\): ERIDL000040](#) [DRR & Disaster information](#)

Duration	2016/12/07
Country or District	Indonesia
Name	Earhtquake
Outline	A 6.5 magnitude earthquake struck on 7 December 2016 in the northern province of Aceh, Indonesia, killing at least one person. Many buildings were collapsed.

Summary

Human Impact	Physical Impact	Others
ASEAN 2016/12/ Killed: 104 Displaced: 85,25 ASEAN 2016/12/	agency said. <ul style="list-style-type: none"> 2016/12/07 An undersea earthquake off Aceh province has killed at least 24 people, authorities said. Reuters 2016/12/07 BNPB official said one person had been killed and several injured 	

Geographical Data Information

- [ECHO 2016/12/07](#)
Indonesia - 6.5 Mw Earthquake - ECHO Daily Map 07/12/2016

Figure 3-2-2 Latest Disaster Information on the earthquake in Indonesia

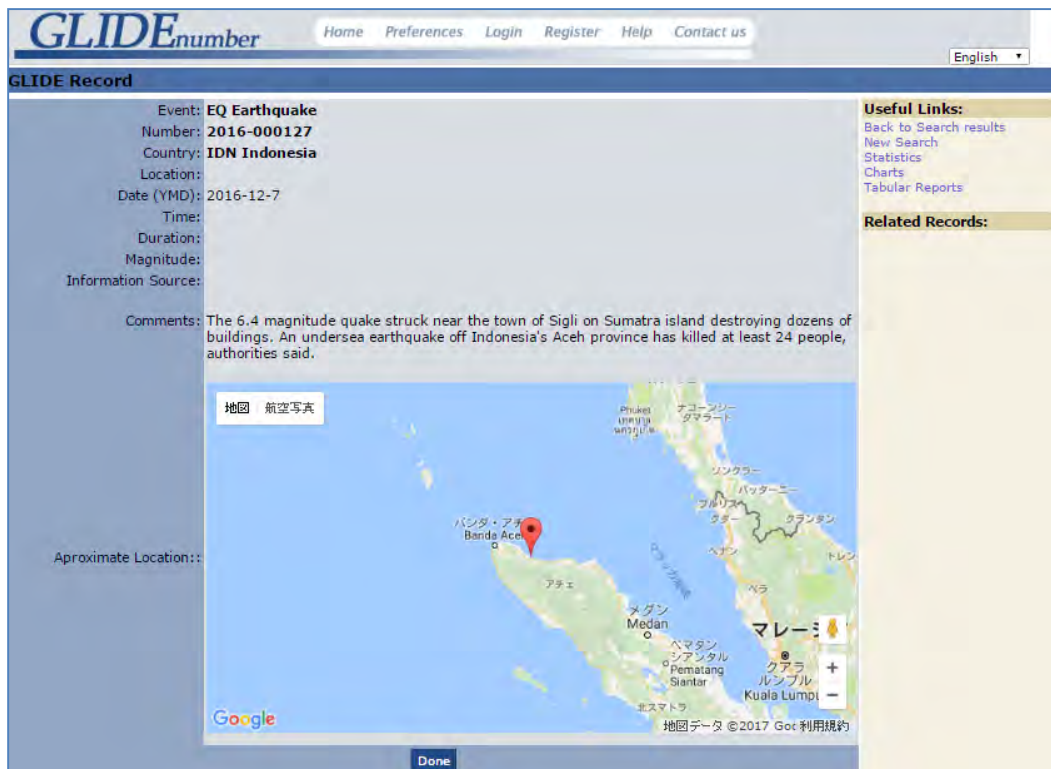


Figure 3-2-3 GLIDE Number of the disaster

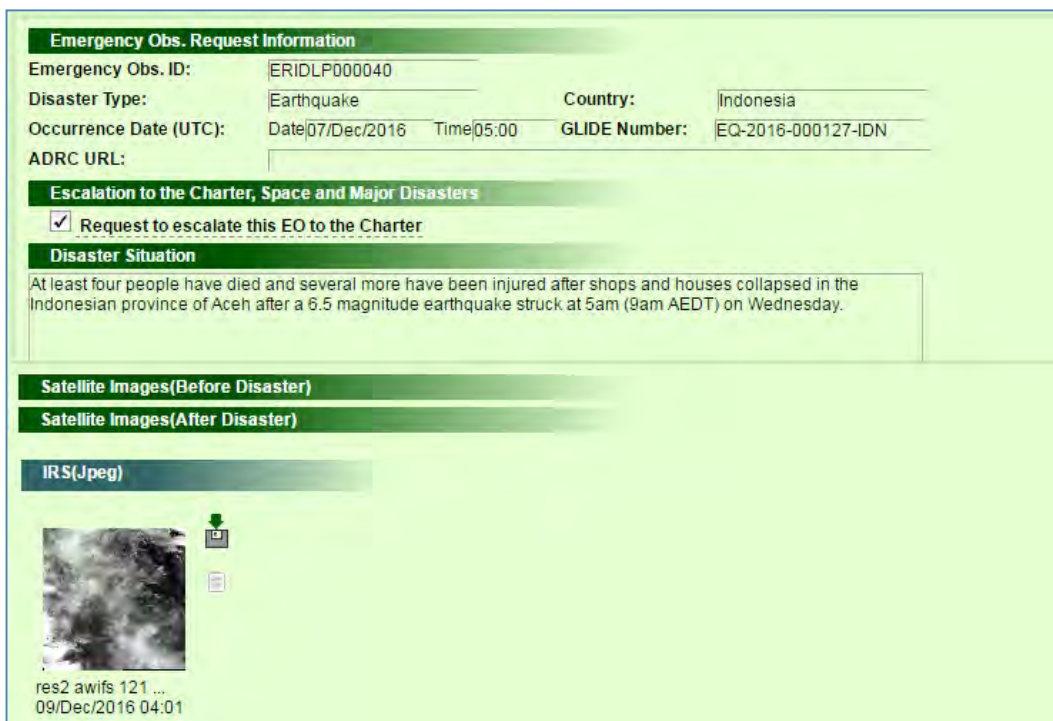


Figure 3-2-4 Satellite imageries of the disaster in Sentinel Asia

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

ADRC has been using the 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. 3-2-5 ADRC Highlights (May 2016: 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 3-2-6 Headlines from ADRC Highlights (FY2016)

Vol.	Main Articles
277	✓ Policy Peer Review 2015 for the Nationwide Promotion of the SFDRR in the Philippines
278	<ul style="list-style-type: none"> ✓ ADRC and IRP Participate in Emergency Management and Disaster Recovery Panel in the US ✓ IRP Participates in Pre-Conference Forum of the 2016 ASPA Conference
279	<ul style="list-style-type: none"> ✓ ADRC Participates in the 11th Meeting of the Typhoon Committee Working Group on Disaster Risk Reduction ✓ ADRC Participates in 3rd Earthquake Technology Expo in OSAKA
280	✓ 7th UN-SPIDER Regional Support Offices (RSO) Meeting
281	<ul style="list-style-type: none"> ✓ JICA's Knowledge Co-Creation Program on Comprehensive Disaster Risk Reduction for Central Asia and the Caucasus 2016
282	<ul style="list-style-type: none"> ✓ Workshops on tsunami disaster risk reduction 1: APEC Workshop on Tsunami DRR Held August 16 in Lima, Peru
283	<ul style="list-style-type: none"> ✓ ADRC Visiting Researcher Report -Ms. Lorene Sia-Catedral (Philippines) ✓ ADRC Visiting Researcher Report -Ms. Susilastuti (Indonesia) ✓ ADRC Visiting Researcher Report -Ms. Syuzanna Kakoyan (Armenia) ✓ Report from ADRC Internship -Mr. Ataru Nakajima
284	✓ The 6th Annual UN-SPIDER Conference
285	<ul style="list-style-type: none"> ✓ Japan-Singapore Partnership Program for the 21st Century "Disaster Risk Reduction and Management" ✓ 23rd Session of the Asia-Pacific Regional Space Agency Forum (APRSAF-23)
286	<ul style="list-style-type: none"> ✓ Visit by Thailand Vice Minister of Interior ✓ ADRC Visiting Researcher Report -Mr. Akbar Bacha (Pakistan) ✓ ADRC Visiting Researcher Report -Mr. J.M.A.R. Jayarathne (Sri Lanka) ✓ ADRC Visiting Researcher Report -Mr. Sarote Thiprut (Thailand)
287	✓ ADRC Steering Committee meeting in Kumamoto
288	✓ Participation in the 2nd Steering Committee Meeting of Sentinel Asia