

## Japan National Group – Japan Society of Engineering Geology (JSEG)

### (1) JSEG Investigation Team for Disaster Prevention

The JSEG Investigation Team for Disaster Prevention made the report of the Northern Kyushu (West Japan) flood and debris flow disaster to mainly local people in 28<sup>th</sup> April, 2018. This disaster was induced by extreme heavy rain, about 280mm in 3 hours, in the area of Northern Kyushu in 5<sup>th</sup> July, 2017. This extreme heavy rain was caused by linear rainfall belt along the energetic seasonable front. Recently, increasing number of extreme heavy hourly rain has occurred. This will be due to extreme weather caused by climate change. Many landslides of about 300 places occurred in narrow area and in a short period, and debris flow with many destructive driftwoods attacked houses and people.

About 200 people attended in this report meeting, and over 60% out of them were general local people. They mentioned to be improved their understanding for dangerous natural phenomena after meeting. JSEG intends to continue and spread these engineering geological activities for disaster prevention.



Northern Kyushu Disaster, July 2017



Meeting of Northern Kyushu Disaster for mainly local people

### (2) Plan of International Workshop of IAEG and ISRM

IAEG Japan National Group intends to hold following international workshop of co-sponsor with IAEG and ISRM. ISRM has been held four international workshops of rock mechanics in volcanic area from Portugal, 2002 to Italy, 2015. In these days volcanic phenomena are important from several aspects such as disaster prevention, geothermal energy, water resources, and rock and soil mechanics etc. Japan National Group would like to propose to IAEG as co-sponsor with ISRM for this plan. This workshop will be held in 2020 at Fukuoka University of two days discussion and two days field excursion in large and active Volcano Aso area in middle Kyushu.



Mount Aso Explosive Eruption on 2014