

## Reconsideration of earthquake disaster countermeasures based on the experience of the Kumamoto earthquake

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The 2016 Kumamoto earthquake caused twice strong shakes of 7 degree of JSI with interval of 28 hours. The first strong shake killed 9 people and the second shake killed 41 people in midnight. The number of earthquakes as aftershock which occurred 1 degree of JSI and more reaches more than 4,200. About 230,000 of people were evacuated in shelters due to the repeated aftershocks. As the result of it, the number of the related death reached more than of 150 persons as three times as number of the direct death victims. The experience of the Kumamoto earthquake clarified the various problem of the Japanese countermeasures for earthquake, such as evacuation system, regulation system of fault zone, anti-earthquake standard of building of important facilities, countermeasure against repeated aftershocks, care of the elderly in shelter for decrease of the related death, the supply of temporary houses, and so on in the emergency and quick recovery period, to be re-considered. This one year after the earthquake was expensed for only making a reconstruction plan, but implementing reconstruction projects for sufferers.