Identification of damaged sites by Noto Hanto Earthquake using ALOS/AVNIR-2 imagery

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We identified disaster damaged sites of Noto Hanto Earthquake occurred on 25 March 2007, based on satellite imagery obtained from ALOS/AVNIR-2 sensor and examined the possibility of detecting disaster damaged sites by the imagery. As a result, in cloud free areas, 11 sites were clearly identified as disaster damaged sites and 12 sites were also identified but as unclear ones. Of clearly identified sites, 10 sites were landslided areas and one site was river closured area, both of which were the result of mass movements due to the earthquake. We could identify mass movement sites of which size exceeded twice the resolution of ALOS/AVNIR-2 (10m). Changes of mass movement such as landslide were identifiable to some extent, however building collapse with a little horizontal movement of surface features could not identified in our examination.