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Contribution of Digital Japan Web system to municipalities' biosecurity measures against animal infectious diseases

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Digital Japan Web system by Geospatial Information Authority (GSI) of Japan is the system where map images are scrollable and scalable, and anyone can superimpose geospatial information on the images. In the system they are browsed as small-split tile for smooth scrolling. In taking measures against spreading of foot and mouth disease in 2010 and bird influenza in 2010-2011, GSI technically supported municipalities that use Digital Japan Web system to announce locations of disinfecting stations on the map images. As a result, in some cases of municipalities' publicity, the number of browsed tiled map images became much more than the number before the publicity. Many municipalities tended to deliver the locations in the list of land name and address or on the non-scalable scanned map image; however, it is thought that the system gave the efficient way of the publicity for municipalities to deliver the locations of disinfecting stations.

Keywords: Digital Japan, foot-and-mouth disease, influenza, disinfection, scroll, scale