

Process of earthquake disaster prevention database in Tottori prefecture

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The local municipality side lack detail earthquake information when earthquakes occur and lack of this information will cause poor management for earthquake disaster prevention. On the other hand, the data generation and distribution side distributes this earthquake information to the municipality side, but it is possible that this information is one-sided. So we have to consider, what the necessary information required by society for meaningful disaster mitigation and prevention is. Then, as our objectives, I want to carry out in the following articles to utilize information for earthquake disaster prevention.

As the specific Plans, firstly, we will operate the following earthquake information system. Seismic wave data recorded and sent using the university satellite system along with hypocentral data, is sent to the municipality office by means of an internet system. After being processed, these data will be distributed to municipality users. The target area is Tottori prefecture and its surrounding area. Another operation will create a database of information, for example hypocenter and seismic wave data, geological data, geophysical explorations data, and hot spring and groundwater data, for earthquake disaster prevention using GIS software. The users in the municipality and public will hopefully utilize this information and discuss with researchers about the effectiveness of the information and the distribution methods. Using the input from these discussions, we expect that the data processing system and the distribution methods will be improved.