

## Current Status and Future Challenges of the Japan Data Exchange Network JDXnet

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In Japan, about 1200 high-sensitivity seismic observation stations and about 120 broadband seismic observation stations are installed, and by using these stations the quick detection and determination of the location and magnitude of the small and large earthquakes which occurred in and around Japan. These broadband and high sensitivity seismic observation have been carried out by 9 National Universities, JMA, NIED, JAMSTEC, AIST etc. JDXnet (Japan Data eXchange network) is the nationwide real-time data exchange and distribution network of these seismic stations. Currently, JDXnet is constructed by using wide-area L2 network of SINET4 and JGN-X as a backbone network, and connect many agency and university and exchange real-time data that each agency has collected from each observation stations. We will introduce the current status and future challenges that should be addressed future of this JDXnet.

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