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 occured 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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