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## Efforts for the manpower training in JMA, for system development of earthquake and tsunami monitoring

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The Japan Meteorological Agency (JMA) has been developing and operating systems to issue disaster prevention information such as Tsunami Warnings and Earthquake Early Warnings. The systems are composed by various equipments including seismographs, telemeter systems and servers with many software components installed, for handling observation data and issuing information. The units need to be rapid, accurate and reliable for our purpose. To develop such systems, we need wide range of knowledge and technologies such as geophysics and computer science. However, we have had few opportunities to acquire knowledge from these extensive fields for our purpose. The development of our systems has been depended on small number of experienced staffs. To cope with this issue, JMA has been operating "the training course of technologies for seismological service management" for three years in cooperation with Dr. Urabe and Dr. Tsuruoka, from Earthquake Research Institute, University of Tokyo. We introduce the overview of this course, and suggest a path for raising system developers of earthquake and tsunami monitoring systems.

Keywords: automatic processing system, development of human resources, disaster prevention information

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