

**EM GDSCClient: Collecting Tool for Electromagnetic Data Using Web Service Technology**

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The data center of IFREE/JAMSTEC distributes geophysical data (seismic, geomagnetic, and geodetic data) obtained in the Ocean Hemisphere Project network through the website of Pacific 21 (<http://www.jamstec.go.jp/pacific21/>). These data can be downloaded via the user interface of NINJA with requesting the parameters such as observatories and data period to retrieve (Mizutani et al., JpGU 2007). On the other hand, there are many geophysical data opened to public via websites of many data centers. So that, a software that enables us to collect these data at the same time from plural data centers without accessing to each user interface would be useful.

We have developed a PC client software called EM GDSCClient for collecting electromagnetic data using the web service technology. This Java-based tool enables us to collect not only the geomagnetic data of the OHP network but also those distributed from other data centers through HTTP. Users can request data controlling the parameters such as data centers, observatories, data period, and the Kp index, preparing a WSDL (Web Services Description Language) file for each data center, in which information of user interface is described in XML format. This tool will be released from the website of Pacific 21 as well as the seismic version of GDSCClient.