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IFREE data center: New geophysical observation data distribution system

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http://www.jamstec.go.jp/pacific21/

The Institute for Research on Earth Evolution, Pacific Region Geophysical Network Data Center (IFREE DC) and Ocean Hemisphere Project Data Management Center (OHP DMC) distribute the Western Pacific geophysical network data. The Pacific geophysical network is an international observation network, which consists of seismic observation, electromagnetic observation, GPS observation, superconductive gravimeter, and marine geophysical network. To provide such multi-parametric geophysical observational data, we have used "NINJA" system to distribute geophysical data to public via WWW.

We now developed new data distributing system and the system is now operational (http://pacific21.jamstec.go.jp, http://ohpdmc.eri.utokyo.ac.jp). The features of new system include: (1) new user interface (figure) for requesting continuous/event data, quick viewing system and data request from availability chart, (2) the database which integrates multi-parametric geophysical data (seismic, electromagnetic and GPS observational data), (3) saving data searching time by keeping the data available duration hierarchically, (4) the database which can be updated without stopping the system (5) working under the firewall existing network.

The new system can be accessible by not only the web browsers but also the data collecting application software "GDSClient" which works on users' PC. By using "GDSClient" as one-stop application, for broadband seismological data, the data of IRIS, ORFEUS and IFREE/OHP are retrievable at one time.

