

Dagik as a data-showcase system for sharing the visualization files of the geospace data

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<http://www-step.kugi.kyoto-u.ac.jp/dagik/>

We propose to establish 'data-showcase' systems to display the various geophysical data in one frame. World Wide Web (WWW)-based databases of geophysical data have enhanced the data exchange since middle of 1990s. As the number of geophysical database increased, it got widely recognized that the data combination and comparison of various types of data are still difficult with WWW-based databases. Data-showcase is not a system to provide data, but a system to show various types of the geophysical data in four-dimension with real relative scale. It is expected to be used as a portal to the databases. The newly developed Dagik, Daily geospace data in kml, is the first data-showcase system for the geospace data. It contains several types of data of ground-based and satellite measurements, indices, and numerical simulation results, such as GPS TEC maps, IMAGE satellite FUV images, magnetometer data and others in an intuitive data presentation. We expect Dagik would make the combination and comparison of the geospace data easier, and foster new Inter-disciplinary scientific researches.