Data visualization of the ionosphere, thermosphere and mesosphere using data-showcase system, Dagik

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

Dagik (DAta of Geoscience In KML / DAily Geospace data In Kml) is a system for data visualization of the ionosphere, thermosphere and mesosphere. It uses Google Earth as a data browser, and enables to show data in four-dimension. Data obtained by the ground-based measurements, satellite measurements and numerical models can be displayed in the same frame. Many types of data, such as GPS-TEC, EISCAT, Super-DANR, IMAGE-FUV, DMSP ion density, ground-based magnetometer, solar wind, and geomagnetic indices are now available on Dagik (http://www-step.kugi.kyoto-u.ac.jp/dagik/) . Users can easily browse these data of the ionosphere, thermosphere and mesosphere with Dagik, and can visit their databases by following the links displayed on Dagik. Dagik is designed to be used as a showcase of data. It is expected that Dagik will make the usage of various data easier. Dagik started in March 2007. The number of data types are increasing. The more aernomy data plot is available on Dagik, the more Dagik get useful. We expect to develop Dagik as a science support system for the ionosphere, thermosphere and mesosphere study. In the presentation, the currnet features of Dagik will be introduced, and the future development of Dagik will be discussed.