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会場:201B

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超高層大気長期変動の全球地上ネットワーク観測・研究 Inter-university Upper atmosphere Global Observation NETwork (IUGONET)

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IUGONET is a joint project aiming at establishment of a data exchange system for the Earth's upper atmosphere observations including the mesosphere, thermosphere, ionosphere and magnetosphere. It was started in 2009 as a 6-year project by the five Japanese universities and institutes that have been leading ground-based observations of the upper atmosphere for decades.

In order to investigate the mechanism of long-term variations in the upper atmosphere, we need to combine various types of in-situ observations and to accelerate data exchange. To achieve this, we have built a metadata database (MDB), have been archiving data by means of a global network of radars, magnetometers, optical sensors, helioscopes, etc, and have been producing software to help researchers easily download, visualize, and analyze data provided from the member institutions and cooperative organizations/persons.

Keywords: Climate and Weather of the Sun-Earth System (CAWSES), Metadata, Database, Upper atmosphere, Solar-Terrestrial Environment