

## Recent and future activities of ICSWSE and MAGDAS project

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International Center for Space Weather Science and Education (ICSWSE), Kyushu University is the research institute for conducting research and education in space weather. We are operating world-wide magnetometer array named as "MAGDAS/CPMN (MAGnetic Data Acquisition System/Circum-pan Pacific Magnetometer Network)" (Principal Investigator: Dr. A. Yoshikawa) for these. It consists of over seventy fluxgate magnetometers, one induction magnetometer, and four FM-CW (Frequency Modulated Continuous Wave) radars. One of our recent research topics is Equatorial Electrojet (EEJ). To accelerate the understanding of EEJ structure, we are constructing dense instrument array across the magnetic equator at Peru and Malaysia in recent year. The latest magnetometer is installed at Penang, Malaysia last September. On last March, we maintained the latest FM-CW radar at Sicaya, Peru. We calculate EE-index (Uozumi et al, 2008; Fujimoto et al., 2016) for space weather nowcast/forecast using realtime magnetometer data along the magnetic equator, and publish it at each hour on the web. We provide our observational information and data including old project via our website, and via IUGONET (Inter-university Upper Atmosphere Observation NETwork) web service and data analysis software. We believe MAGDAS data will help any researchers for their research under proper rule.