

Evolution of In-situ Research Data Archive, GAME, CEOP and DIAS

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Because of the improvement in observation technology and the development of highly precise and various types of observation equipment, the amount of earth observational data acquired by observation is increasing year by year. Moreover, the importance of the observational data to the numerical weather prediction and numerical simulation experiments in research about meteorology or a climate change is also increasing with the development of improved computer systems. On the other hand, the data obtained through sensors, however, often contains a great deal of error, noise etc. due to system instabilities and related issues. The amount of data which one researcher can deal with in a given year is restricted, and cannot be increased easily. Thus labor to remove such noise and to maintain the quality of the data has become non-negligible. This presentation reviews almost ten year efforts for in-situ data archiving and its integration coupled with satellite data and numerical model outputs through paper, we propose a web-based quality assurance system through the unique collaboration related with GAME, CEOP and DIAS.

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