

## Data format for earth and planetary science in view of metadata handling

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Metadata handling in scientific data description is arising controversy in many scientific fields including earth and planetary science. Currently, major data formats in the earth and planetary science are PDS, NetCDF, FITS, however, all these are based on classic header-and-data strategy and are difficult to include flexible data description which will be required for metadata description. On the other hand, new data schema such as XML are applied for new description of science data. To do this, we must care about the backward compatibility of existing data which stored in long past years.

In this presentation, the author will address and lay out for the direction of versatile and scientific data format which assures compatibility with old data and description of metadata.