

## XML database application for earth and planetary sciences

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Owing to the progress of planetary exploration and more detailed data acquisition and simulation, scientific data processed are reaching several tens of terrabytes. To make effective use of these large amount of data, we have been proposed DPLEX, an Desktop Lunar and Planetary Exploration, the environment which can exchange planetary exploration data between persons and data servers through the computer network. The interoperability of scientific data are the essential part to realize this environment. In this presentation, we will discuss applicability of XML (an eXtensible Markup Language), which is widely noticed in the field of network data exchange. Examples of XML implementation for scientific field for the astronomy is also introduced.