

Framework for International Collaborations in Planetary Data Archives

YAMAMOTO, Yukio^{1*}, SHINOHARA, Iku¹, HIRATA, Naru², KASABA, Yasumasa³

¹Japan Aerospace and Exploration Agency, ²University of Aizu, ³Tohoku University

The framework of sharing and utilizing planetary data archive has just started since early in 2000's. Historically, NASA has been facilitated the data archives along with planetary explorations, Planetary Data System (PDS). The PDS is sophisticated but it is difficult to implement for other countries due to demandingness. While NASA is promoting PDS as an archive system, ESA has developed its own data archiving system, Planetary Science Archive (PSA). The format of PSA and PDS is almost same, but the review process for documents is different. NASA and ESA discussed about the differences between PSA and PDS and considered to make a new standard. At the same time, other countries such as Japan, China, India, and etc. has started the Moon Race, and expected to obtain a huge dataset of the Moon. The activities of NASA and ESA extended to the international collaborations, and International Planetary Data Alliance, IPDA, was established. Japanese members join the IPDA and discuss about the new framework of how to share the planetary data archives.

Keywords: IPDA, PDS, PSA