

International Planetary Data Alliance (IPDA) Technical Experts Group

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Abstract

The International Planetary Data Alliance was created in 2005 as an effort to make the different agencies dealing with planetary data come to homogeneous and interoperable approaches for the handling of their data.

The IPDA's main emphasis is to ease discovery, access and use of planetary data by world-wide scientists regardless of which agency is collecting and distributing the data. Ensuring proper capture, accessibility and availability of the data is the task of the individual space agencies. The IPDA is focusing on developing an international standard which allows the following capabilities: query, access and usage of data across international planetary data archive systems. While, trends in other areas of space science are concentrating on the sharing of science data from diverse standards and collection methods, the IPDA shall concentrate on promoting standards which drive common methods for collecting and describing planetary science data across the international community. Such an approach will better support the long term goal of easing data sharing across system and agency boundaries.

The IPDA web pages can be found at the following link:

<http://planetarydata.org/>



The IPDA Technical Experts Group (IPDA TEG) was created to ensure correct integration of the different standards created within the alliance.

The Technical Experts Group of the IPDA provides oversight on system and software standards and architectures under development by the IPDA. It is responsible for coordination of technical projects and ensuring that the projects are compatible with the IPDA system architecture and requirements.

The IPDA TEG is empowered by the Steering Committee to design and develop technical standards that meet the IPDA requirements and fit within the IPDA system architecture. The TEG is responsible to review and approve standards when they are ready for submission to the Steering Committee.

This paper will summarise the activities of the IPDA TEG during its conception with particular emphasis in the recent developments within the IPDA overall.

References

- [1] Osuna, P., Hughes et al.: NASA/PDS-ESA/PSA Planetary Data Interoperability White Paper http://planetarydata.org/documents/miscellaneous/white-paper-wp/IPDA-STC-WP-001_1_0-2005JUL01-NASA%20ESA%20Interoperability.pdf