

# **Planetary Science Archives Interoperability, A Prototype between NASA's Planetary Data System and ESA's Planetary Science Archive.**

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The Planetary Data System (PDS) standard is the de-facto archival standard within the planetary community. Besides NASA, also ESA adopted the PDS standard as the underlying base in building the Planetary Science Archive (PSA), the mission archive for ESA's planetary missions. To fulfill the requirement that U.S. co-Investigators on ESA missions have seamless access to the mission data via the PDS offered interfaces, the idea of interoperability of the two archival systems, the PDS and the PSA, was born. A small working group from PDS and ESA prepared an initial version of an archive interoperability protocol and is working towards the first prototypes demonstrating the power of such a protocol.

The presentation will describe the necessary steps towards the protocol, the protocol itself and its potential applications. An overview of the prototypes will be given, followed by an outlook in possible future scenarios and plans.