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Dear colleagues,

The abstract deadline for the European Planetary Science Congress 2018 is May 16!

We invite you to submit abstracts to our session MD4: "Solar and Planetary Data system Interoperability". See you in Berlin!

<https://meetingorganizer.copernicus.org/EPSC2018/session/29465>
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MD4: Solar and Planetary Data system Interoperability

Convener: Baptiste Cecconi

Co-conveners: Stéphane Erard , Vincent Génot , Angelo Pio Rossi

The large amount of data generated by modern space missions calls for a change of organization of data distribution and access procedures. Although long term archives exist for telescopic and space-borne observations, high-level functions need to be developed on top of these repositories to make Solar and Planetary Science data more accessible and to favor interoperability. Results of simulations and reference laboratory data also need to be integrated to support and interpret the observations.

The Virtual Observatory (VO) standards developed in Astronomy may be adapted in the field of Planetary Science to develop interoperability, including automated workflows to process related data from different sources. Other communities have developed their own standards (GIS for surfaces, SPASE for space plasma, PDS4 for planetary mission archives...) and an effort to make them interoperable is starting.

The goals of the session are to provide an overview of progresses in the fields of the IVOA and other VO domains, ongoing data handling projects in Planetary Science, and use cases of VO, GIS and SPASE applications with a focus on science activities.

We welcome contributions on applications and science use cases and analysis of VO, GIS, SPASE and other interoperability frameworks and standards