

## ***Standardisation of PF/PL interfaces in the scope of CNES Initiative for Space Innovative Standards***

*Presenter: Jean-Michel Mesnager (CNES)*

A lot of space missions are developed in partnership, or have to deal with geo return. This implies a significant interface management effort, not to speak about the risks and costs that result from such organizations. This fact, combined with the emergence of platform and payload equipment product lines justifies the need for a standardization of these interfaces, that would lead to reduce interface management effort, but also technical changes, and the costs and risks.

The CNES/ThalesAleniaSpace/Airbus Defence and Space ISIS project, together with SWOT (altimetry) and MERLIN (lidar) missions, is working on a generic approach based on templates documents standardizing low level interfaces, as well as higher level services to the payload, like thermal control or FDIR. This presentation will detail the ISIS work, current status, and general feedback about this initiative.