

Heliophysics workflows

Thursday, April 11, 2013 4:30 PM (30 minutes)

Summary

The Heliophysics community is starting to use workflows in these days. The use of workflows has been introduced by the HELIO (<http://www.helio-vo.eu/>) project and it is now been continued within the SCI-BUS (<https://www.sci-bus.eu/>) and ER-FLOW (<http://www.erflow.eu/>) projects.

In Heliophysics workflows are used to orchestrate the query of catalogs with the execution of feature extraction codes and the execution of propagation models to understand the relationships among events across the entire Solar System.

The SHIWA platform proves to be very advantageous as it offers two key functionalities: it allows the execution of workflows developed in a variety of different platform to be executed in a single environment and it gives them means of access.

Within the ER-Flow project we are porting workflows that have been developed with the HELIO project with the aim of offering a scientific tool for the analysis of the relationships among related events across the Solar System.

URL

<http://www.helio-vo.eu/>

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Session Classification: Workflow Collaboration Workshop