The Swarm data and software landscape in 2024 and beyond

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Data product portfolio

The Swarm mission is broader than the Swarm spacecraft

Interoperability increases usage and opens up opportunities

HAPI strengthens Swarm as a heliophysics mission

Need to increase "deep links" between services (e.g. AuroraX / Swarm-Aurora)

Derived data can be delivered on demand

Is it reasonable to do this for FAST L2?

VRE: Python Packages & Notebooks

We provide access to community software through the VRE. People can use these to write their own analysis code.

The network of notebooks increases exposure of data, software and how to use them.

VRE and similar platforms lower the barrier to entry, but tools are modular and portable (run them anywhere).

SwarmPAL

A home for L2+ code

SwarmPAL provides a shared approach to connect external data

Derived data can be delivered on demand

Is it reasonable to do this for FAST L2?

VirES is a platform for using LEO & ground magnetometry (and more)