

SCIAPPS: Science Application Store for ESA Datalabs

The European Space Astronomy Centre (ESAC) is seeking to establish a reference framework for space mission exploitation by scientific communities: the ESA Datalabs. Its fundamental principle is to move the user to the data and tools.

In this talk we will present the Science Application Store (SCIAPPS) which is an evolution of the application services solution currently available in ESA Datalabs. SCIAPPS enable users to publish datalabs within a trusted environment close to the scientific data and permitting the whole scientific community to discover new science applications and products in an open approach.

Datalabs can be created by ESA Datalabs users with Developer permission. Developers can create, build, test, validate, and export their own datalabs. They can also share them with specific user/s or group/s or make them publicly available with all ESA Datalab users. To make a datalab public in the main catalogue, datalabs will undergo a moderation process transparent to the user.

Scientific Users will be able to search for datalabs of interest, rate them, leave feedback and bookmark, as well as to launch them.

In a nutshell, SCIAPPS provides scientific developers with a friendly, fast and guided process to publish datalabs in the ESA Datalabs platform, and provides a catalogue so that scientific users can search and launch datalabs.

