

ESA Datalabs: progress and value-add from PA perspective

Nowadays, the sheer amount of data collected from space-borne and ground-based sensors, is changing dramatically past approaches towards data processing and storage.

ESA Datalabs is quickly developing into the Science Directorate's science exploitation platform. Given interest from our space science missions we are working towards exploring the utility of the platform as a general data platform to support the department with various needs ranging from science exploitation, scientific machine learning and operational use-cases.

This presentation will provide an update and indicate particularly how usage of a common data platform provides benefits from a PA perspective. Aside from existing functionality we will indicate potential future use-cases and would be happy to discuss with experts which areas of functionality need to be improved. This includes a diverse set of topics such as software engineering, data governance, test-driven development and monitoring capabilities.