

multi-mission • automation • workflows • archive • catalogue

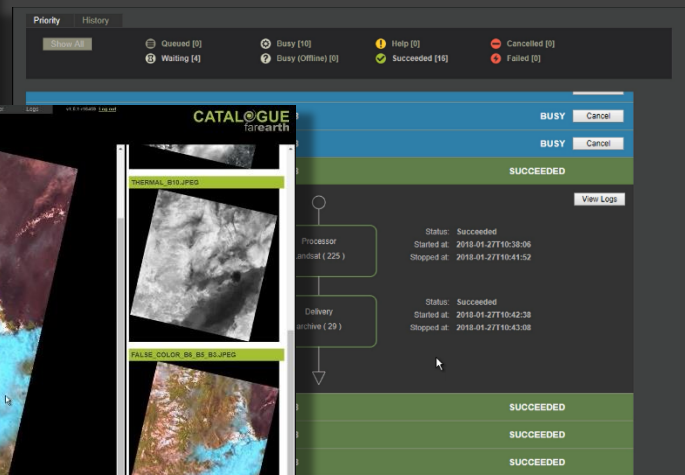
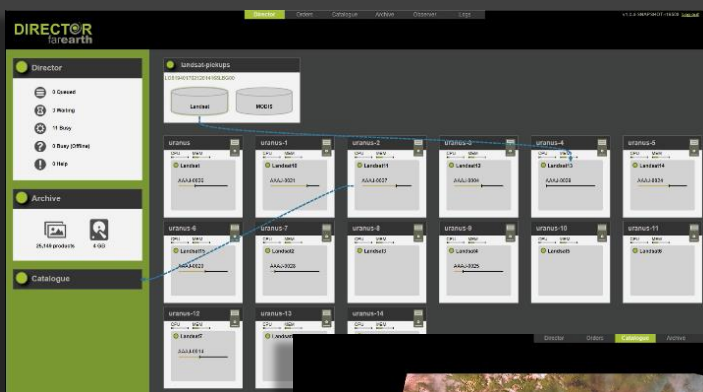
The FarEarth software suite is aimed at receiving stations, surveyors, mapping agencies and organizations that process and archive remote sensing data. The FarEarth Multi-Mission Processing and Automation System provides end-to-end automation of an organization's production workflows – from online customer order to final online or offline delivery.



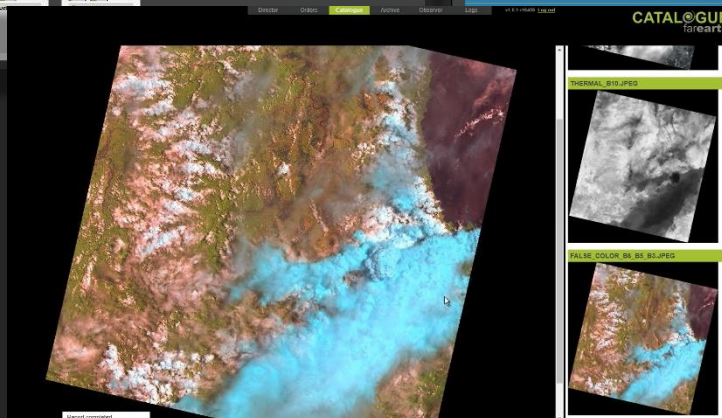
The system manages the complexity of workflow steps and makes it easier to develop automated production chains. It can control a variety of processors from low-level raw processing to systems producing high-level information products. The system also allows for human workflow steps using web-based user interfaces.

FarEarth Director showing processor and archive status along with progress and data transfers (below)

Workflows are automatically started based on customer orders placed in an online catalogue. Flexible workflow rules allow for the automatic (or partially manual) production of imagery. The web-based catalogue allows for direct delivery and dissemination of completed production orders.



FarEarth Catalogue (right)



FarEarth Order Manger (above)

Distributed processor control

- User-friendly workflow configuration to automate even advanced processing scenarios
- Robust control of processing systems over the local LAN or in the cloud
- Easy integration of new processing systems
- Support for manual processing steps like QA or offline processing

Web-based production monitoring

- Live monitoring and visualization of production progress
- Visualization of data transfers and capturing of statistics for performance optimization
- Drill down functionality for detailed monitoring for individual workflow steps



FarEarth Catalogue

Easy data ingestion

- Support for common meta-data formats
 - DIMAP
 - ISO
 - JSON product files
- Easy integration capabilities for additional meta-data formats
- Support for distributed ingestion processors controlled by FarEarth Director

Reliable long-term product archiving

- Data store management
 - Multiple data stores in distributed locations
 - Management of search index
- Index statistics and coverage reporting
- Flexible archiving rules