FAO – SEPAL

System for Earth Observation Data Access, Processing and Analysis for Land Monitoring

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www.fao.org/forestry

SEPAL v 2.1

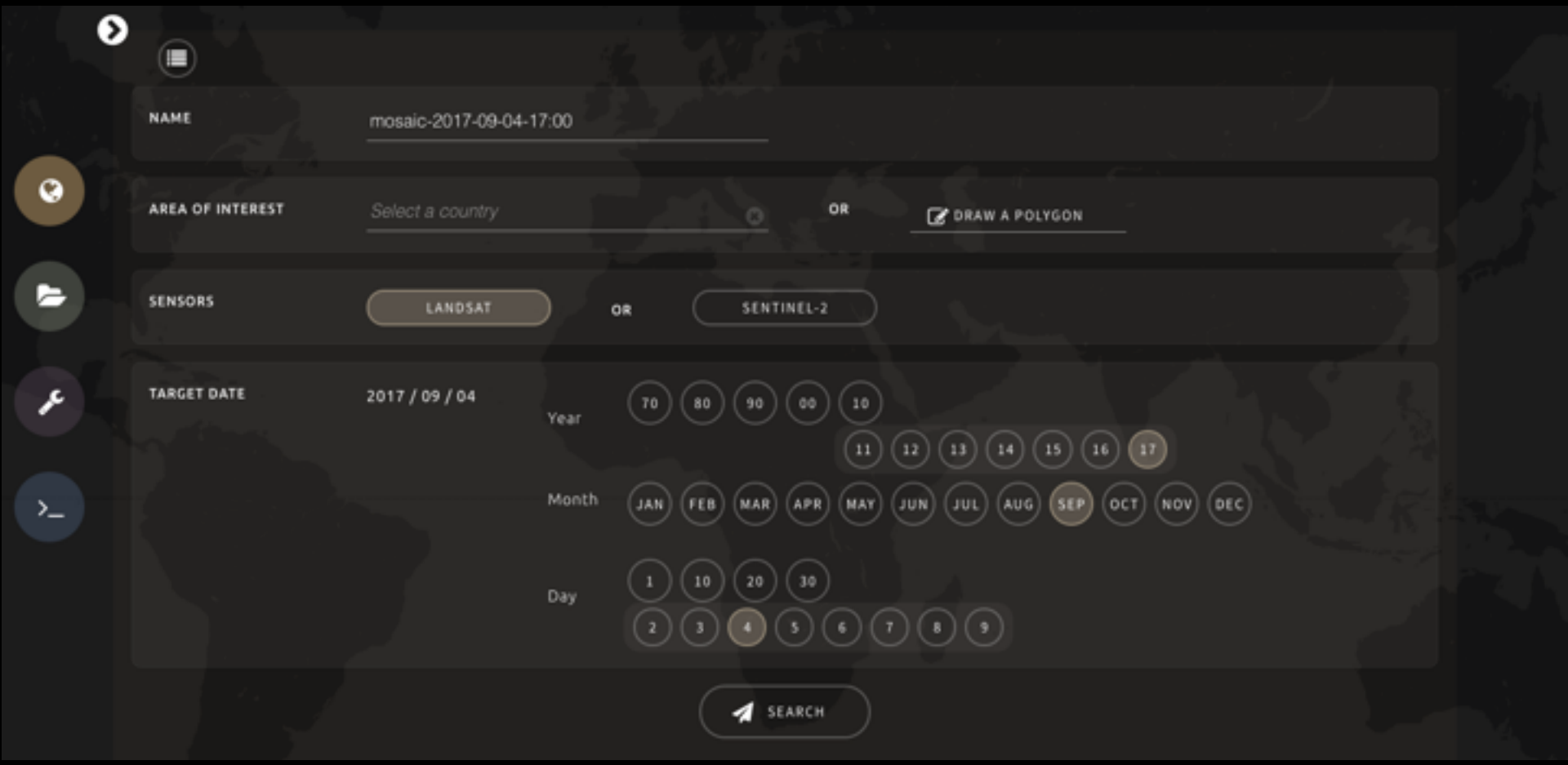
- New look for mosaic including classification and change detection
- Improved RADAR processing
- Integration of Planet and DigitalGlobe
- Time-series analysis

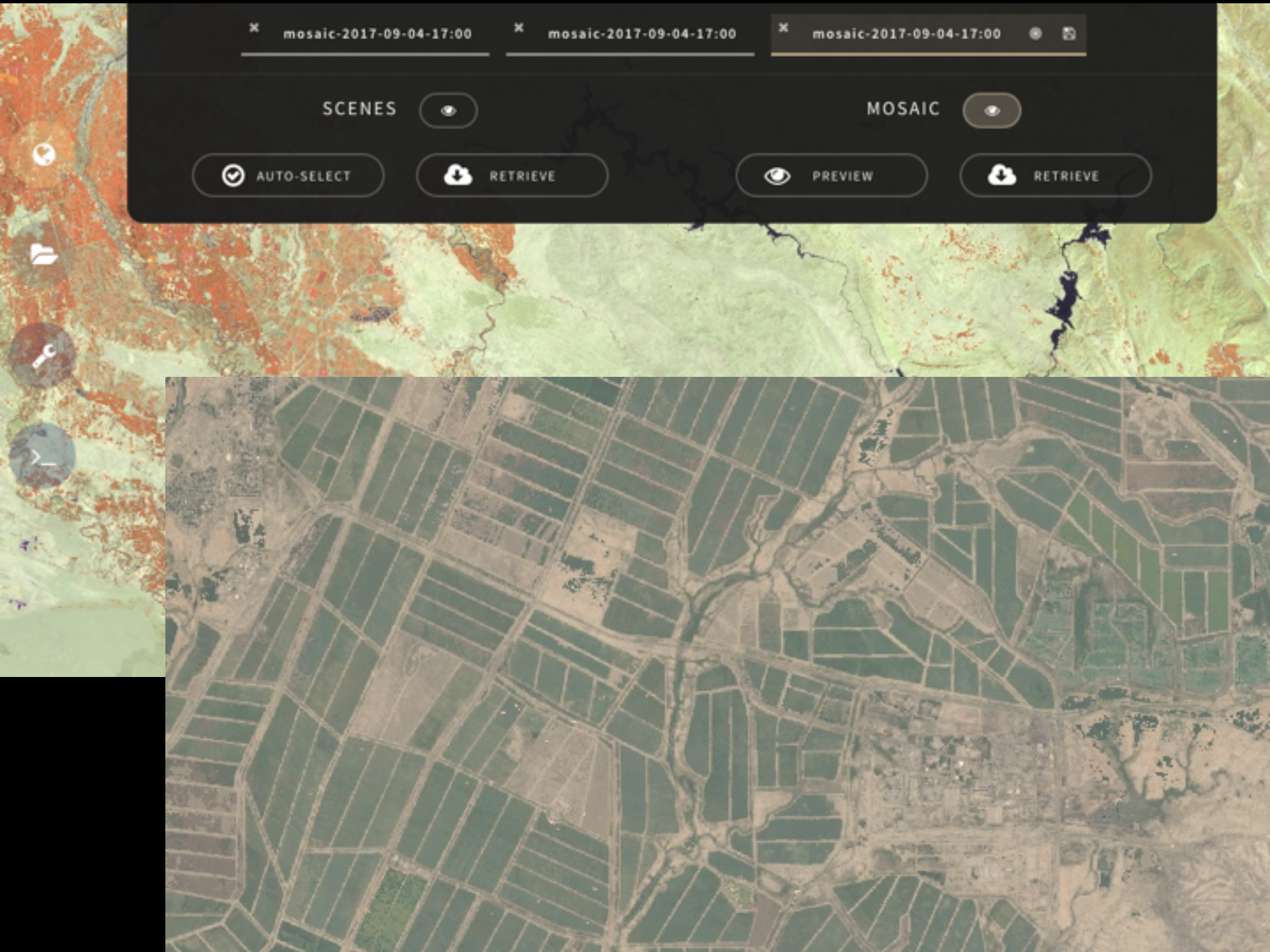
Mosaic / Composite

- Simplified user-interface
- Workflow integrated
- Improved ‘best-pixel’ selection
- Save ‘recipes’ for future use / recall

Mosaic / Composite

Mosaic / Composite




mosaic-2017-09-04-17:00
mosaic-2017-09-04-17:00
mosaic-2017-09-04-17:00
SCENES
MOSAIC
AUTO-SELECT
RETRIEVE
PREVIEW
RETRIEVE

RADAR Processing

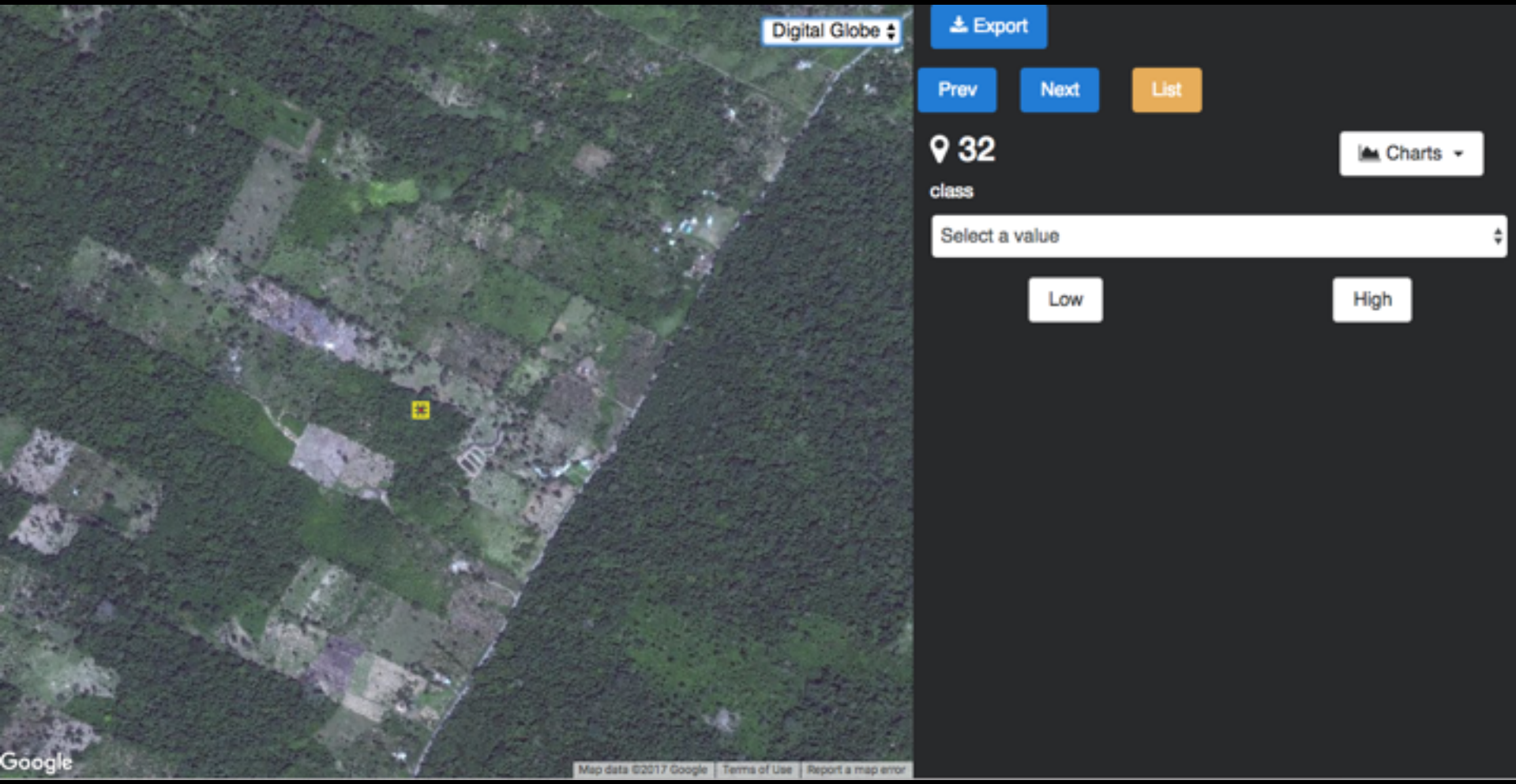
- Automated generation of Sentinel-1 timeseries/timescan data
- Geometrically terrain corrected product (GTC) or radiometrically terrain-corrected product (RTC) generation
- Time-series gif and kmz files for quality assessment during processing
- Increase in speed of a factor of 3
- Progress monitor for processing
- Kyoto & Carbon FNF global data download
- Docker file allows use of OST on Windows/Mac
- Demos included for capacity building

Integration of Planet and DigitalGlobe

- SEPAL CEO
- Planet quarterly composites
- DigitalGlobe ‘best’ basemap
- Improved reference data collection
- Improved area estimation

Planet integration for Reference Data

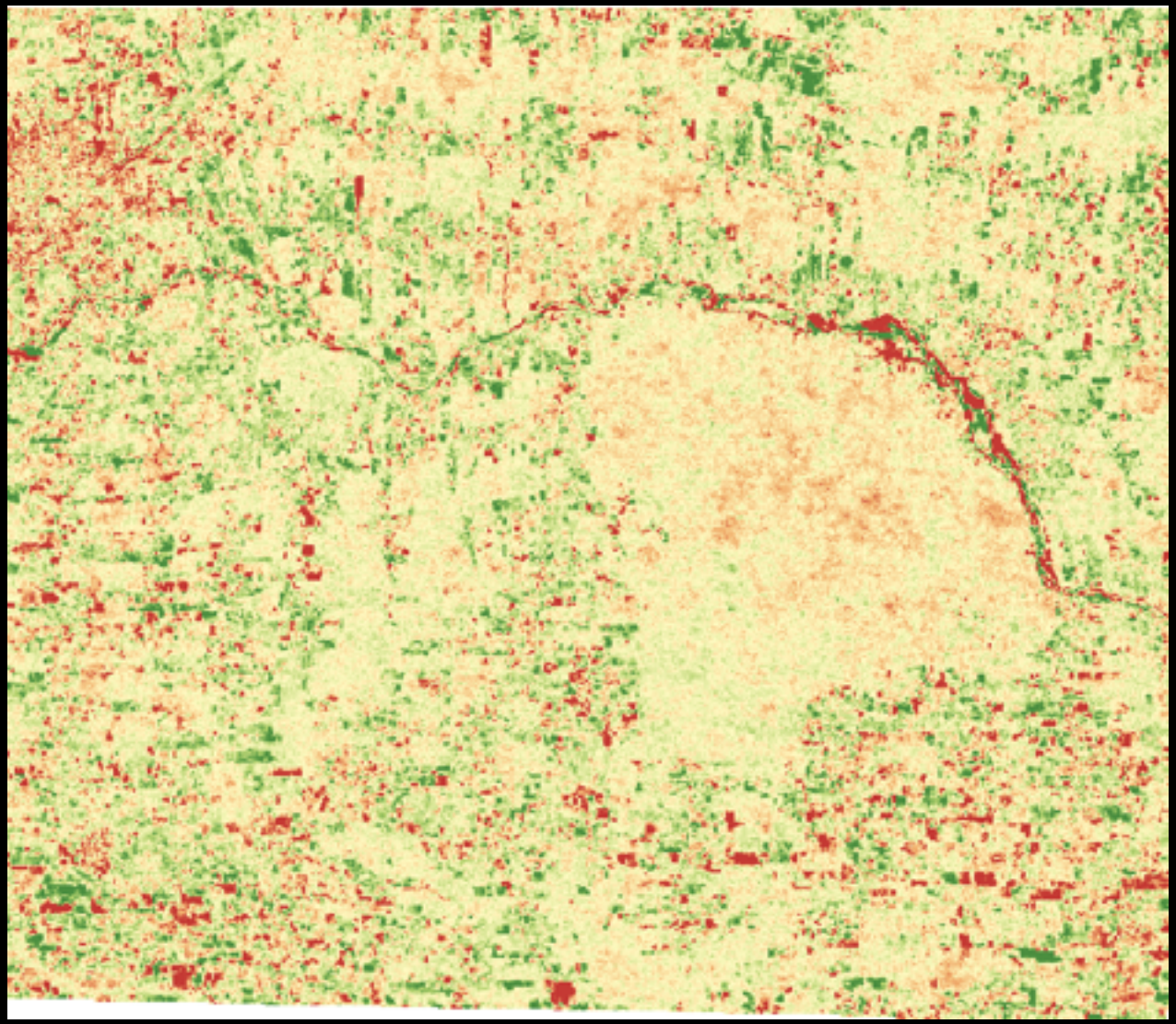
DG integration for Reference Data



Time-series Analysis

- Close to implementing TS module
- BFAST and BfastSpatial
- Increased speed and larger areas analyzed

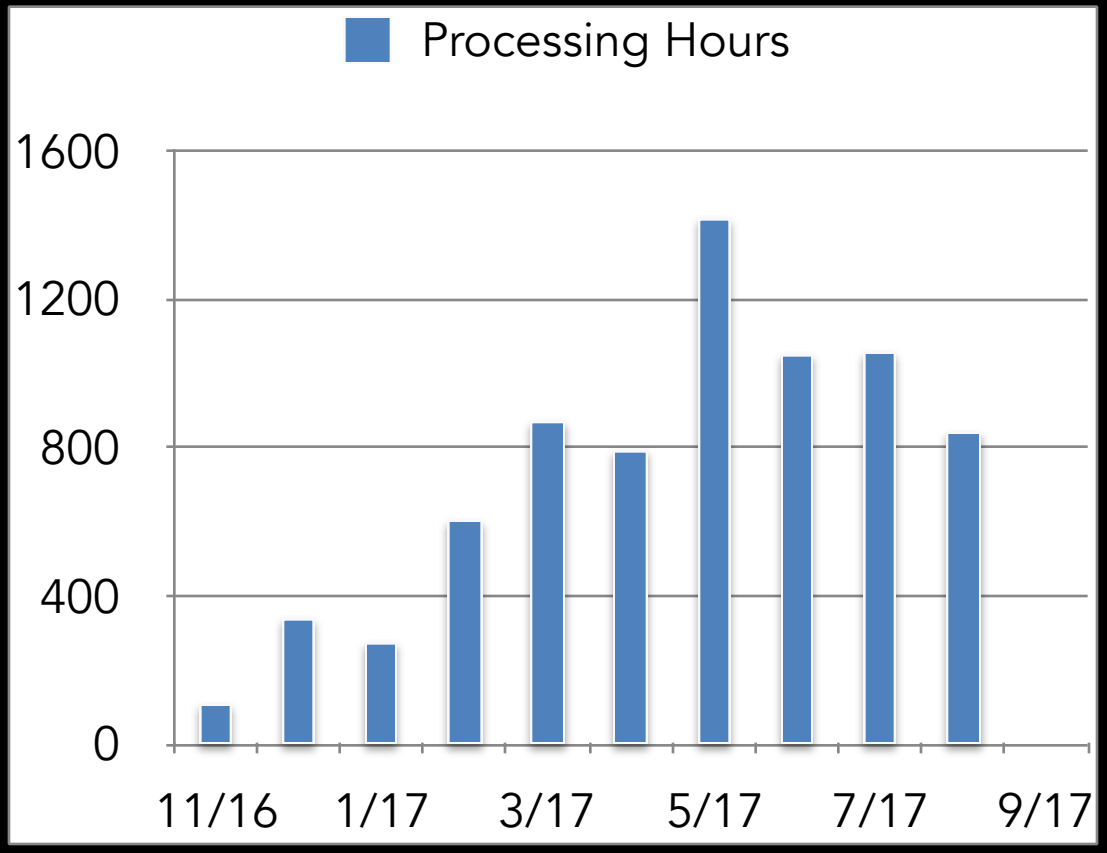
Time-series Analysis



SEPAL User Statistics

- Increased user numbers
- Increased data processing
- Increased data storage
- 442 Active Users
- 2 TB of data in ‘active’ storage

SEPAL User Statistics



Next Steps

- Collaboration with Forestry TEP
- Integration of datacube
- Streamlined user experience

SEPAL
System for earth observations, data access, processing & analysis for land monitoring
SEARCH GEO DATA
Fast and easy access to scenes and mosaics
BROWSE YOUR DATA
Preview and download your products
PROCESS YOUR DATA
Easy-to-use data processing Apps
TERMINAL
Powerful command-line tools for data processing
USERNAME
Enter your user name
PASSWORD
Password
LOGIN

SEPAL - 2.0