IMAGINE DeltaCue 9.1

Product Summary

Change detection is one of the most common uses of remotely sensed data. Timely, synoptic views of the earth's surface at a variety of spatial and temporal scales provide dramatic evidence of the dynamic processes of interest to a wide variety of users. The efficient detection and analysis of changes between two dates (or times) of imagery is a complicated task that requires a broad assortment of image processing tools and can be overwhelming for even the most advanced users. IMAGINE DeltaCue provides the image processing tools needed to simplify even the most complex change detection processes allowing users to move rapidly from image to information to results.

IMAGINE DeltaCue change detection software is a new add-on for ERDAS IMAGINE® that simplifies the complexity of the change detection process and helps both advanced and novice users rapidly produce meaningful results. IMAGINE DeltaCue uses project-based workflows to manage:

- preprocessing
- change detection
- change filtering
- change results viewing & interpretation

Standardizing and automating preprocessing steps, assembling a wide variety of powerful change algorithms and providing flexible tools to target the specific kinds of changes of interest to the user are a few of the ways that IMAGINE DeltaCue breaks new ground in image processing software.

Key Application Areas

- Detecting changes in land use and land cover
- Delineating wetlands loss and encroachment
- Estimating forest loss through development or disease
- Identifying new housing and infrastructure changes
- Mapping flood extent areas and disaster impact zones

Features & Benefits

IMAGINE DeltaCue has a number of key discriminators which differentiate it from other change detection tools currently available in the marketplace.

- Analyzes and utilizes the information present in all bands of mutlispectral data
- Multiple change detection algorithms and filters can be combined and iterated to produce the desired results
- Eliminate unwanted "noise" change
- Scalable across imagery types from high quality, high resolution to low quality, low resolution sources

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