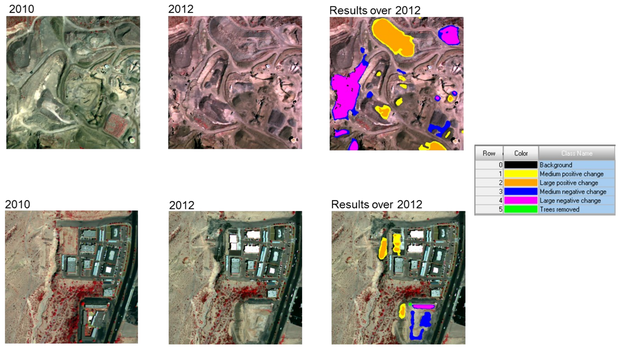
SGM Semi-Global Matching



Top 10—2016 ERDAS IMAGINE platform

SIPS Chain
- Automatic commercial and NTM imagery enhancement as prescribed by SIPS

Change Detection
- Image to image, raster to raster, vector to vector

SAR Analysis
- Despeckle, Level Slice, Filtering, Interferometry (INSAR, DINSAR, CCD)

Terrain Analysis
- Line of Sight/HLZ
- Slope Analysis
- Terrain Profile
- Terrain Shading
- Rough and Finished Contours
- Automatic Terrain Generation

Photogrammetry
- Tie point generation
- Triangulation (RPC only to start)
- Orthorectification
- Image registration
- Terrain Editing

Image Chipping

Precision Mensuration
- MSP

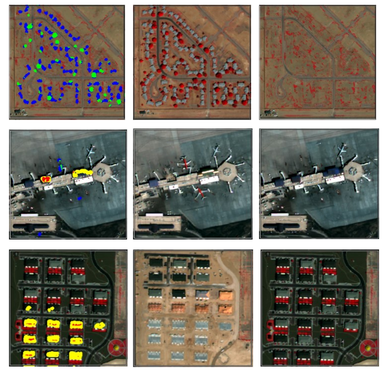
CWS functionality

Feature Extraction
- Automated
- Manual Mono and Stereo

Spatial Model Authoring
- Including web-based client

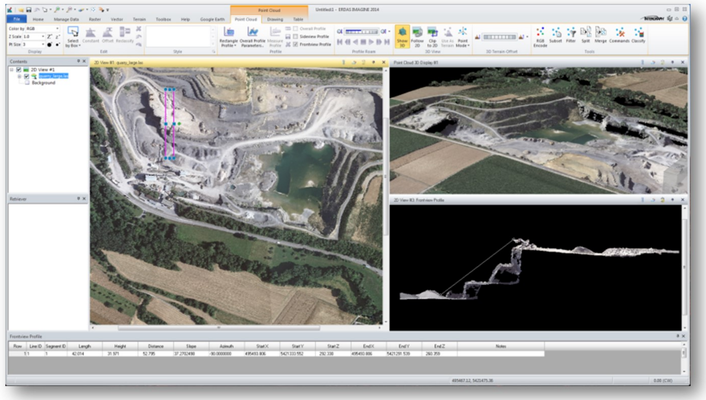
3D Change Detection

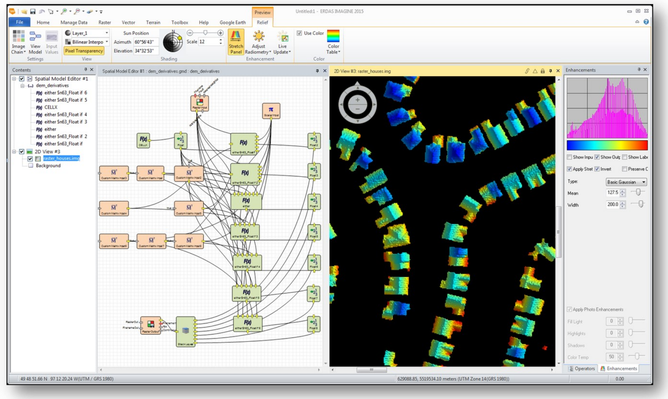
5 Band Data



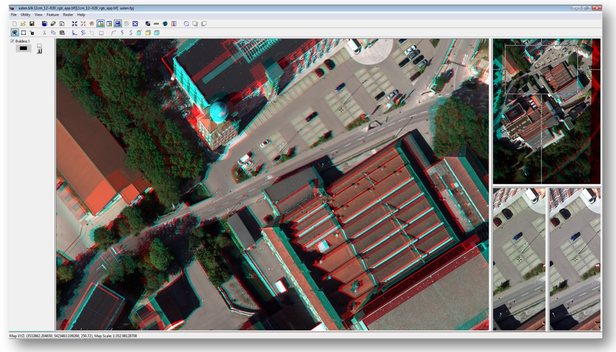
Produces very clean change detection

Point Cloud: generation & modeling

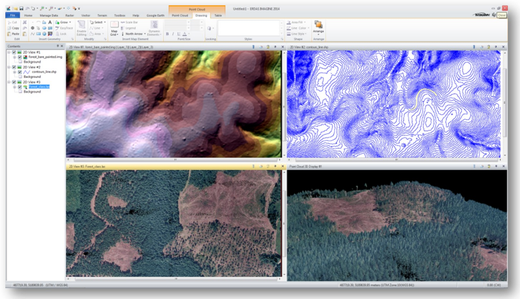




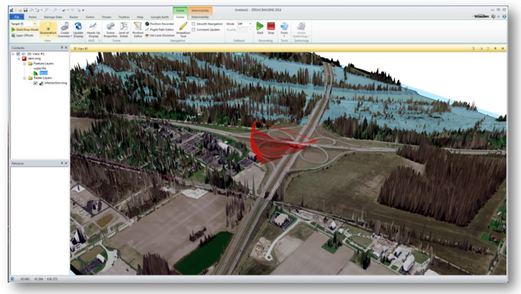
Stereo 3D feature extraction



3D Terrain Analysis

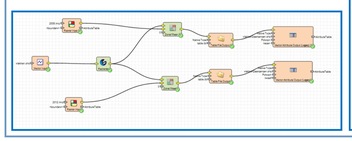


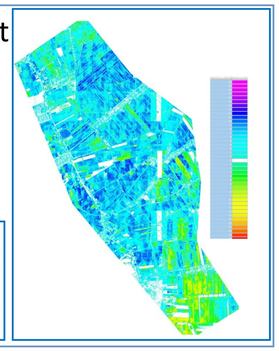
3D Analytics



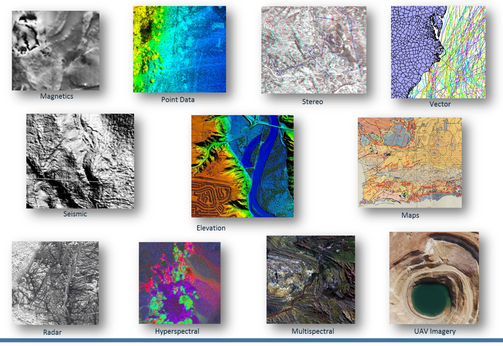
Spatial Model to Subtract DEM1 from DEM2

Terrain Movement

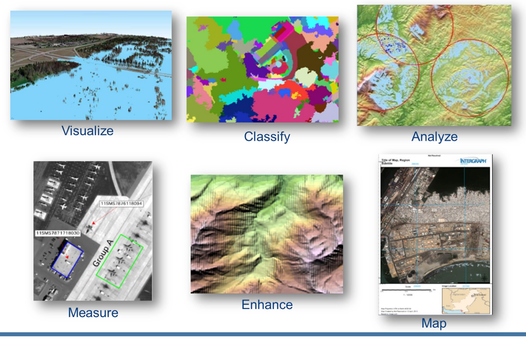




Multiple Data Types: Ingest & Generate



Visualization & Interactive Analysis



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ERDAS **IMAGINE**

CORE3D Capabilities 2016

Spatial Modeler & SDK : extending & incorporating algorithms