

## What's New?

# ERDAS ER Mapper 2010

ERDAS ER Mapper is a powerful image processing software for geoscientists and GIS professionals. It has unique data display tools to enhance satellite imagery, elevation data and geophysical datasets. Easy to use and intuitive, it has many domain specific workflows such as an advanced seismic analysis toolbox in the form of wizards. With powerful technologies that include dynamic algorithm compilation, ECW compression, mosaicking and color balancing, ERDAS ER Mapper is the ideal tool for imagery preparation for web data deployment.

ERDAS ER Mapper is widely used as part of integrated GIS workflows; it is a tool particularly appreciated by geoscientists for its versatility in handling different types of data. Unique image processing tools help users in their interpretation tasks and support efforts for a maximum return on investment from imagery assets.

ERDAS ER Mapper 2010 builds on this legacy by extensively overhauling the projection system and standardizing it for interoperability with ERDAS IMAGINE and other products. In addition, this release expands file format support and provides enhancements in overall usability and stability.

### Improved Projection Support [increased support and customization options]

ERDAS ER Mapper 2010 introduces vastly improved coordinate system and projection support. Using the ERDAS projection engine, ERDAS ER Mapper 2010 is now able to process a vast library of projection systems natively with significantly improved performance. Additionally, custom projections using the ERDAS IMAGINE mechanism are now supported.

### Improved Image Handling and Processing [save time]

ERDAS ER Mapper 2010 introduces numerous data handling and processing improvements throughout the software, including:

- Ability to mosaic thousands of MrSID images
- Ability to use non-EPSS coordinate systems
- Improved handling and visualization of 16-bit and floating point data
- Improved IMG file handling

### ASTER Processing Wizard [greater vertical market support]

Vastly improved regional mineralogical mapping capability using ASTER data, including the following ratios:

- Standard Mineral Ratios:
  - Ferric Iron
  - Ferrous Iron
  - Laterite
  - Gossan
  - Ferrous Silicates
  - Ferric Oxides
- Carbonates / Mafics:
  - Calcite / Carbonate / Chlorite / Epidote
  - Epidote / Chlorite / Amphibole
  - Amphibole, MgOH or Carbonate
  - Amphibole
  - Dolomite
  - Carbonate
- Silicates:
  - Sericite / Muscovite / Illite / Smectite
  - Alunite / Kaolinite / Pyrophyllite
  - Phengitic AIOH
  - Muscovitic AIOH

- Kaolinitic AIOH
- Clay
- Alteration
- Host Rock
- Silica:
  - Quartz Rich Rocks
  - Silica
  - SiO<sub>2</sub> / Basic Degree Index
  - Siliceous Rocks
  - Various Silica types

