

Image Processing Application

ITT and ESRI have taken on a strategic partnership to integrate their respective software technologies. This integration delivers advanced, image processing and analysis capabilities to the ArcGIS platform and expands the distribution of these new technologies globally. ENVI EX is an image processing and analysis solution that is tightly integrated with ArcGIS.

As mapping and imagery-based applications continue to converge, ENVI EX supplies the growing market's need for image processing and analysis solutions that are both easier to use and integrated with GIS workflows, and provide the scientific accuracy needed for decision makers.

Based on ENVI ENVI EX provides ArcGIS users with the image analysis methods and algorithms trusted by imagery professionals for years. The product's interface with intuitive processes guides users step by step through analysing satellite and airborne imagery and data across a wide range of imaging modalities.

The new workflows in ENVI EX provide automated processes for solving problems that are common in GIS applications across a variety of industries. These workflows include tying an image to its geographic coordinate for accuracy in mapping, extracting features of interest from a large geographic area, detecting change in a region by comparing different images, classifying land cover, and finding anomalous features in an area.

The seamless integration between ENVI EX and ArcGIS allows GIS users to exchange data and files from ArcGIS to ENVI EX easily with simple drag and drop methods that preserve the style, symbology, vectors, and layer information from one product to another. In addition, integration with ArcGIS into the existing ENVI product line with the coming release of ENVI 4.7 brings workflow integration and map generation capabilities to imagery professionals currently using ENVI products.

<https://www.gim-international.com/content/news/image-processing-application>
