

## ENVI for ArcGIS® Server

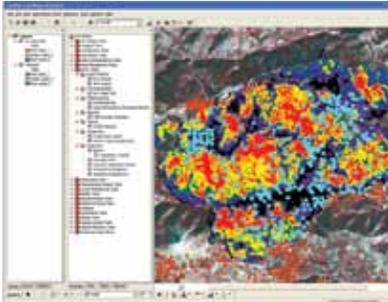
Empower your organization  
with image analysis.



# ENVI for ArcGIS® Server.

## Delivering Powerful Image Analysis Tools to Your ArcGIS Enterprise.

The demand for timely and accurate information from geospatial imagery is growing in industries from defense and intelligence to urban planning and development. ENVI is the software solution used by professionals across industries to quickly, easily, and accurately extract information from imagery and provide current and detailed information about an area of interest for updating geodatabases.



As organizations rely more on geospatial imagery, the transition to server-based platforms like Esri's ArcGIS Server for image management and dissemination increases efficiency and collaboration across the workflow, creating an environment that is not only easier for administrators to manage, but for end users to access. Now, you can easily deliver ENVI's advanced image analysis tools to the ArcGIS Server environment using ENVI for ArcGIS® Server, a revolutionary new product that provides the tools users across the enterprise need to effectively add important information about a geographic area to their GIS.

ENVI for ArcGIS® Server allows you to author, publish, and distribute image analysis tools and models to your entire organization. With ENVI image analysis tools available within the familiar ArcGIS Server environment, end users now can take full advantage of the rich geographic data contained in imagery.

### WITH ENVI FOR ARCGIS® SERVER YOU CAN:

**Author** models and tools at the desktop to provide customized image analysis functionality to your organization.

**Publish** models and tools across the enterprise to increase overall productivity and return derived data to a central, shared location.

**Use** image analysis models and tools published through the ArcGIS Server platform on a desktop, mobile, or Web client.



### EXTEND IMAGE ANALYSIS TO YOUR ORGANIZATION

Exposing ENVI image analysis capabilities to the Esri ArcGIS Server environment enables you to leverage server class resources to analyze large image scenes and take full advantage of the information in imagery. And, because ENVI for ArcGIS® Server is compatible with ArcGIS Web Mapping, you can easily create, manage, and distribute ENVI image analysis tools and models over the enterprise to desktop and mobile clients or to web applications.

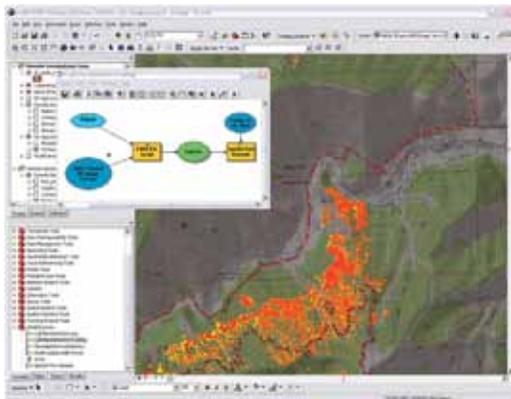
## Author Image Analysis Tools and Models

With an ENVI desktop license, ENVI image analysis tools are readily available in the familiar ArcGIS environment and can be used to author powerful GIS applications. ENVI image analysis tools make it easier than ever to include data and information derived from imagery in the geospatial applications you create with ArcGIS such as maps, globes, geoprocessing models, and more.

- Add image analysis capabilities to your existing tools and models
- Combine multiple tools that include image analysis functionality to create a new model
- Create new tools for image analysis



ENVI desktop tools are available directly within the ArcToolbox making it easy to author GIS Models and applications with image analysis capabilities.



It's easy to publish ENVI image analysis capabilities through the familiar ArcToolbox and ModelBuilder paradigms.

## Publish Image Analysis Tools and Models

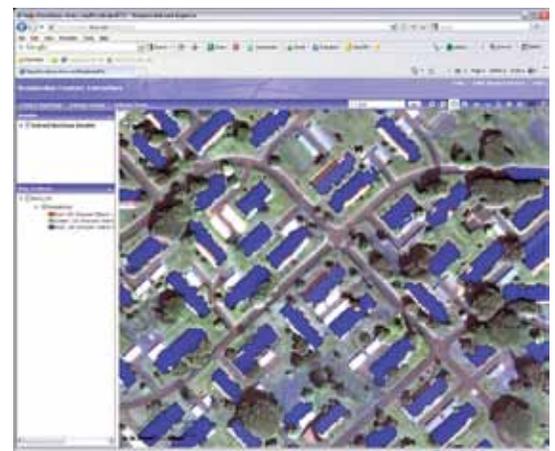
Once tools and models are built, you can publish them to users across the ArcGIS Server enterprise. To do this, determine the geoprocessing tools or models that utilize the ENVI functionality you want to share and push it to the ArcGIS Server. Now, the tools and models you create will be readily available and customized to the needs of your organization. Publishing tools and models with ENVI image analysis capabilities helps the organization increase efficiency, improve the decision-making process, and maximize return on investment.

- Automate complex image analysis tasks
- Incorporate information from imagery to GIS models and services
- Deliver image analysis and workflows to a large base of users
- Leverage server class resources to analyze large imagery and data

## Use Tools and Models Published to ArcGIS

By authoring image analysis tools and models with the ENVI desktop and publishing them with ENVI for ArcGIS® Server, your entire organization can access ENVI image analysis tools whether they work in a mobile, desktop, or Web environment. And, because tools and models can automate complex image processing tasks, like RPC orthorectification, change detection, and land classification, users of all ability levels can take advantage of the geographic information they provide.

- Soldiers in the field can take advantage of tools designed to determine the safest path for troop movement
- Forest fire tools and models can provide fire fuel load information in real-time to fire fighters
- City planners can utilize tools and models that determine urban development, floodplains, and more
- Environmentalists can determine the extent of forest damage from beetle kill or natural disasters



Above is an example of a web application that has integrated ENVI's image analysis capabilities and ArcGIS to allow users to easily extract features of interest, such as rooftops, from imagery.

ENVI for ArcGIS® Server requires Esri's ArcGIS Server and is available in either workgroup or advanced licensing options for single and multiple core server environments. For more information, visit [www.exelisvis.com/toolslicensing](http://www.exelisvis.com/toolslicensing).



## Want to learn more about image analysis?

Attend one of our many informative webinars, classroom trainings, or recorded seminars. Visit [www.exelisvis.com/EventsTraining](http://www.exelisvis.com/EventsTraining) for an up-to-date schedule.

[www.exelisvis.com](http://www.exelisvis.com)

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Visual Information Solutions

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