



Imagery

Advanced ENVI Analytics

Duration: 3 Days

Extract features from your images.

Discover the power of the spectral analysis tools that make ENVI the industry leader in hyperspectral imagery exploitation. Image analysis allows the identification of materials on the Earth's surface due to the detailed sampling of the electromagnetic spectrum by hyperspectral sensors. This course focuses amongst other things on understanding the theory behind hyperspectral imaging, and then challenges the student to apply the theory with ENVI's advanced analysis and mapping algorithms.

Using IDL to extend ENVI enables users to incorporate their own algorithms and workflows into ENVI. In this course an overview is provided of the programming constructs available in IDL, the language in which ENVI is written, as well as the tools necessary for a user to extend ENVI with IDL, including ENVI library routines, batch mode programs and user functions.

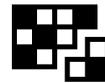
Goals



Understand Hyperspectral Remote sensing application.



Explaining the Fundamentals of spectral signatures.



Apply whole Pixel Analysis Techniques and perform hyperspectral images analysis

Who should attend?

GIS Analysts

Image Scientists

GIS Professionals

Suggestion

Completion of [Introduction to ENVI Analytics Online](#) or equivalent knowledge.

Software

Esri will provide the following software to use during class:

- **ENVI 5.1**