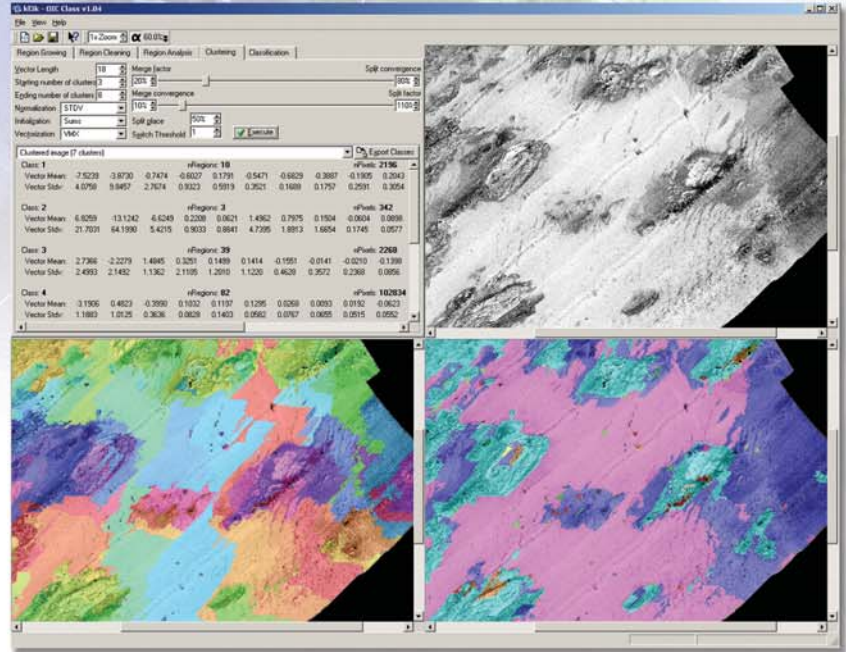


OICclass provides a Windows-based tool for analysis and classification of sidescan & swath bathymetry data

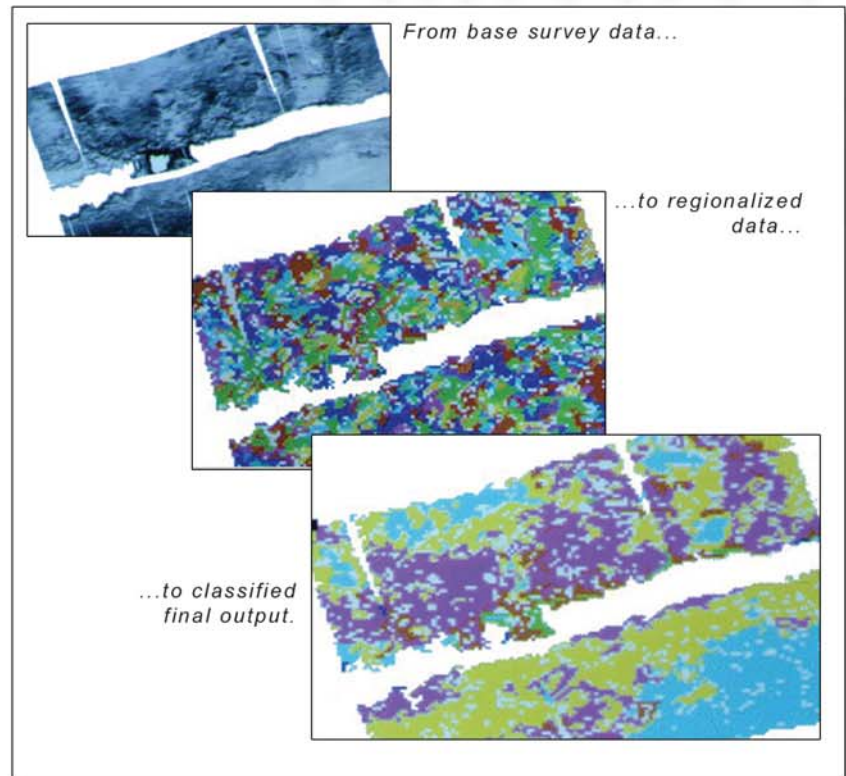
Image, Object & Terrain Classification software now available for Windows!

Features & Benefits

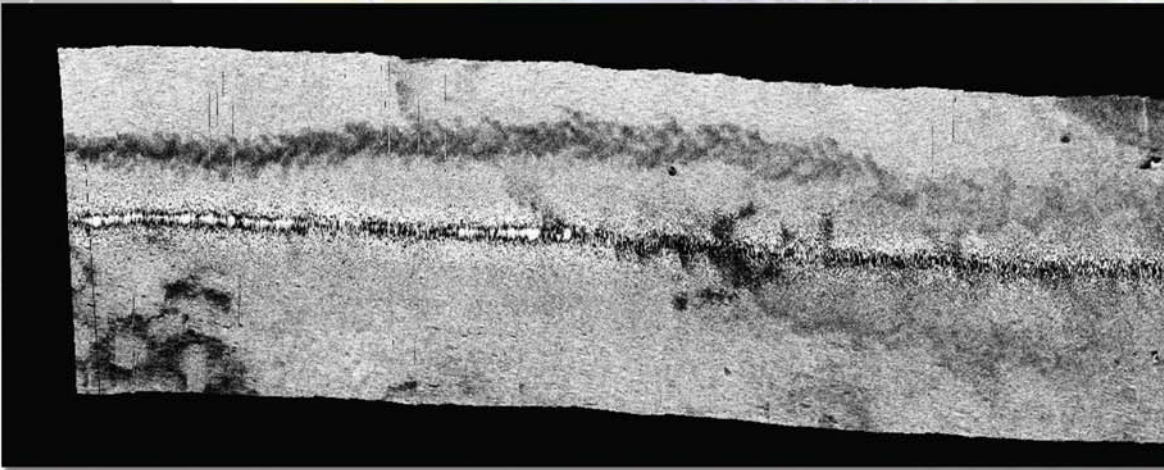
- Reads OIC mosaics from GeoDAS or post-processing, plus STD bitmaps
- Works with both sidescan and bathymetry
- Supports user-guided training, plus unsupervised classification
- Data-driven image segmentation automatically defines feature boundaries
- The "Region Growing" algorithm evaluates the image segment data mean and standard deviation to help define natural boundaries of the image, providing superior classification results
- User-selectable features include texture, backscatter and fractal dimension
- Unsupervised classification supported by K-means and vector basis functions
- User-guided supervised training supported by variance-limited Bayesian classifier
- Help Wizard provides the user with on-the-fly menu and command explanations



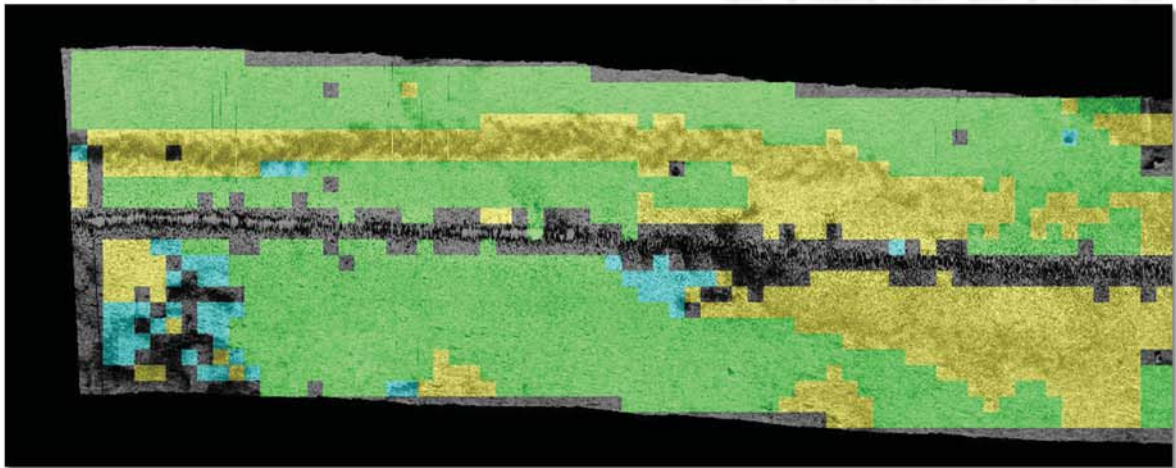
OICclass GUI showing classification of 100 KHz Sidescan imagery.



The image samples of *OICclass*' data classification below show how the OIC "Region Growing" algorithm evaluates a sidescan sonar image, detecting variations in the data to provide superior classification. The first image is a sidescan image of the seafloor, the second is the same processed image, with classification automatically applied.



100 KHz sidescan sonar imaging, showing vessel wake.



Detection and classification of vessel wake, using *OICclass*.

Recommended Hardware

Windows 2000 / XP
Pentium 3, 800 MHz+
512 MB RAM

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