



The task

Stock assessment of aggregated fish and zooplankton in marine and other environments.

The solution

Use the most powerful classification tools available for partitioning your data, calculating fish densities according to species, and determining indicative parameters for behavioral and other studies. Work with data from all commonly used echosounders and access the analysis methods employed by leading institutes around the world.

The benefits

1. Visualize all data and the results of analysis steps

- See what you are doing and check data quality at every step of the analysis
- Tune and optimize your analysis. Echograms, cruise track displays and graphs automatically update when algorithm settings change

2. Scrutinize and quality-control data

- Modify calibration parameters
- Use the sounder detected bottom or Echoview's bottom detection algorithm
- Define bad data regions
- Define and edit lines and polygon regions at sample resolution
- Threshold data with a constant or time-varied threshold level
- Classify data according to species or other criteria
- Graph frequency response and threshold response curves

3. Achieve efficient and precise biomass estimates

- Flexible echo integration by cells and user-defined polygons as well as surface and bottom referenced layers
- *In situ* single target detection and target strength analysis tools
- Powerful schools detection module
- Virtual echogram module provides advanced tools (for example, multiple frequency analysis to refine your biomass estimates)
- Use templates and scripting tools to streamline your processing methods

4. Extract a rich set of data outputs

- Export a wide range of integration and other parameters for each integration cell or region to conduct advanced processing and analysis
- Export line or bottom depths as a function of location for bathymetric and other analysis
- Export single target detection (TS) statistics for cells and user-defined polygons for further analyses

