Backscatter « From ping to Database »
A Canadian Hydrographic Service perspective

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Signal base
Processing
(Geocoder)

Bathymetric
Processing

Basic Seafloor
Classification
(semi-supervised)

Backscatter
Processing

Image base
Processing
(HIPS (image classification))

Data acquisition
Multibeam Interferometer Lidar Etc.

Multi-Resolution

MERGING (bathymetry + Backscatter)

Data filtering
and Area objects creation

CHS Databases

CARIS HIPS
(CUBE)

SOURCES
PRODUCTS

CARIS BDB
Backscatter Bathymetry

CARIS HPD
(Source)
Other Hydrographic Data

CARIS HPD
(ENC-Paper)
Products (usages)

Value Added Classification

Various Bathymetric Products

Chart Compilation

Paper chart

Raster

ENC

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Data acquisition
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