

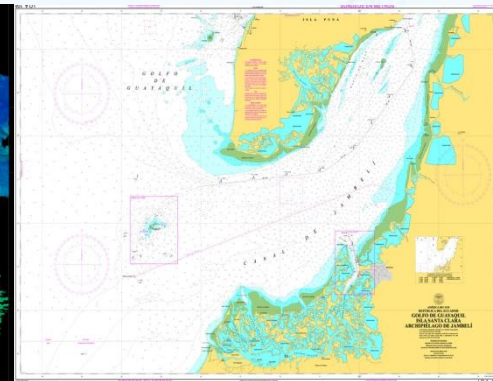
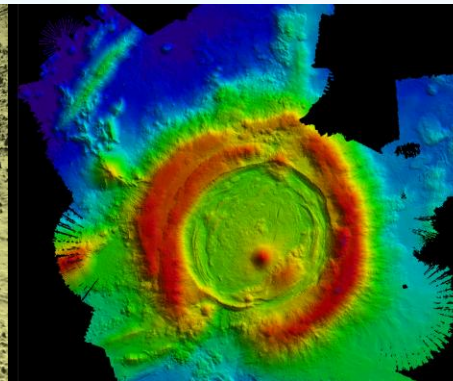
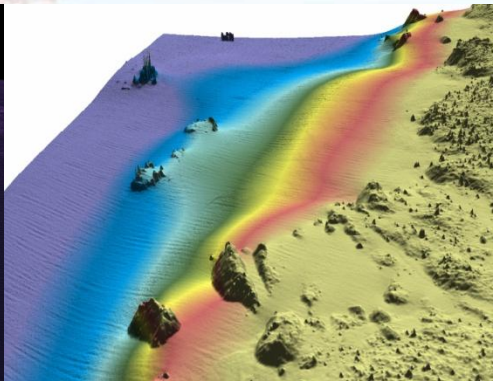
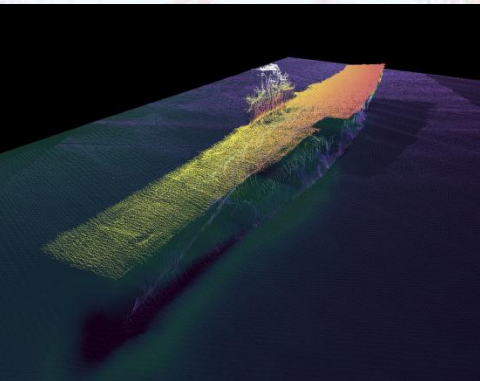
The CARIS Ping-To-Chart Solution

Charles de Jongh – CARIS

SAIHC Meeting – Lisbon – 17th September 2013

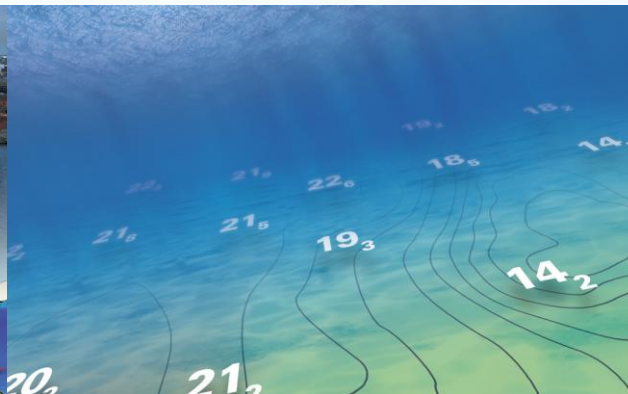


- Specializing in marine GIS Solutions
- Continuous Improvement and Innovation
- Solutions developed for the maritime community





- Hydrographic Survey Processing and Visualization
- Port & Waterway Management
- Chart Production



CARIS Ping-to-Chart Workflow

PROCESSING

CARIS
HIPS and SIPS

CARIS
Notebook

ANALYSIS

CARIS
Bathy DataBASE

CARIS
BASE Editor

CARIS
**Engineering
Analysis Module**

CARIS
LOTS

PRODUCTION

CARIS
HPD

CARIS
S-57 Composer

CARIS
**Paper Chart
Composer**

DISCOVERY

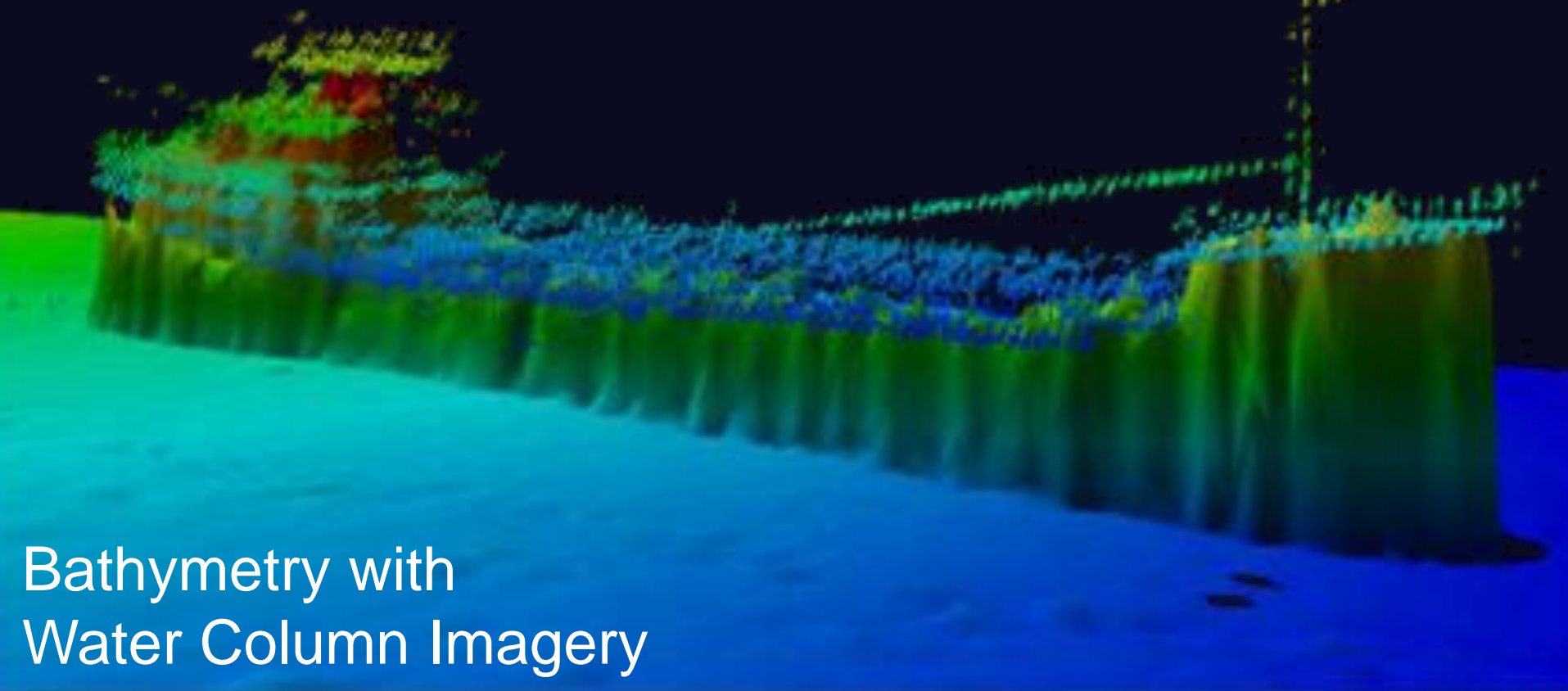
CARIS
**Spatial Fusion
Enterprise**

CARIS

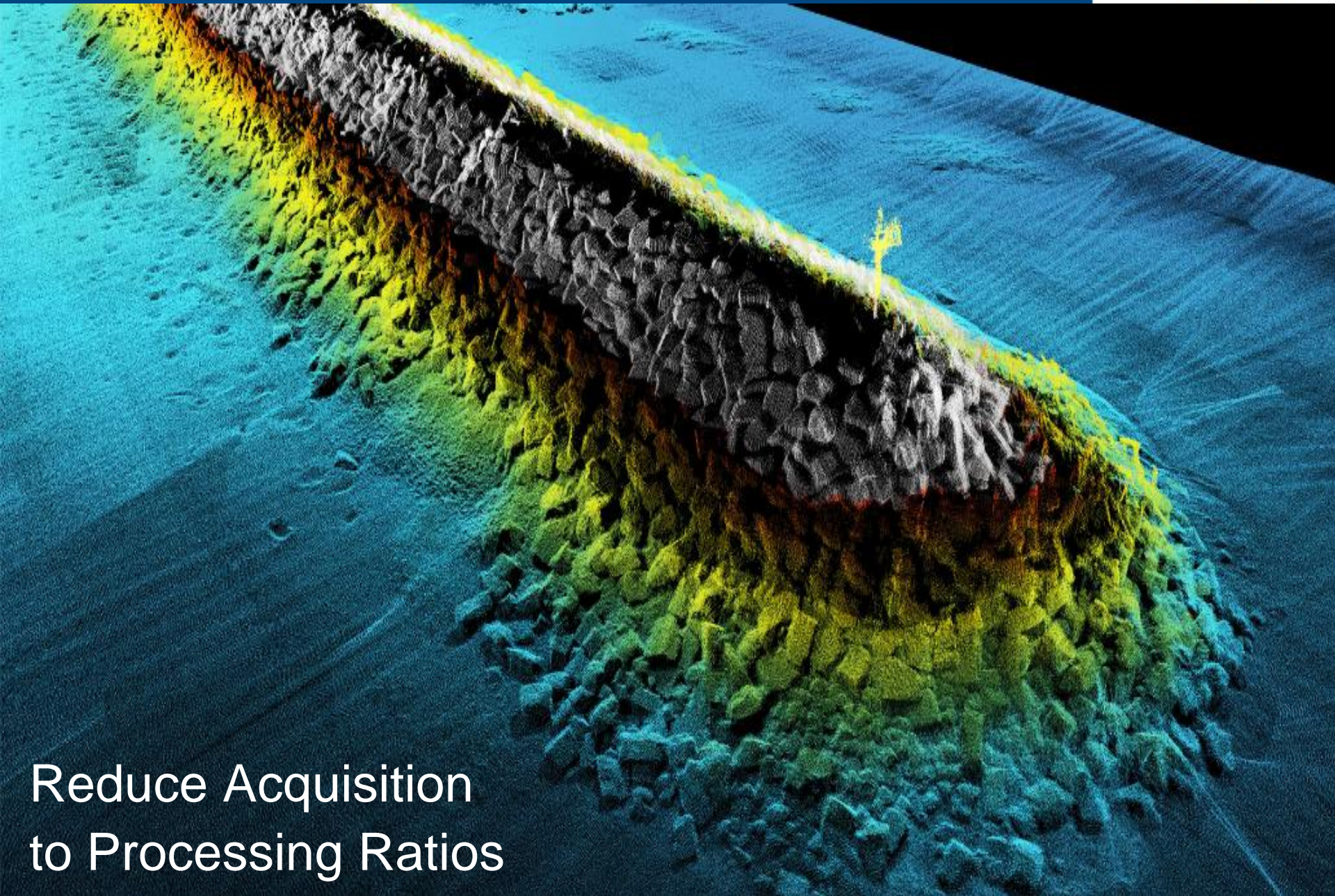
WORKFLOW MANAGEMENT

The Full Picture from Seafloor to Surface

- Single & Multibeam
- Backscatter
- Side scan sonar
- LiDAR



Bathymetry with
Water Column Imagery



Reduce Acquisition
to Processing Ratios

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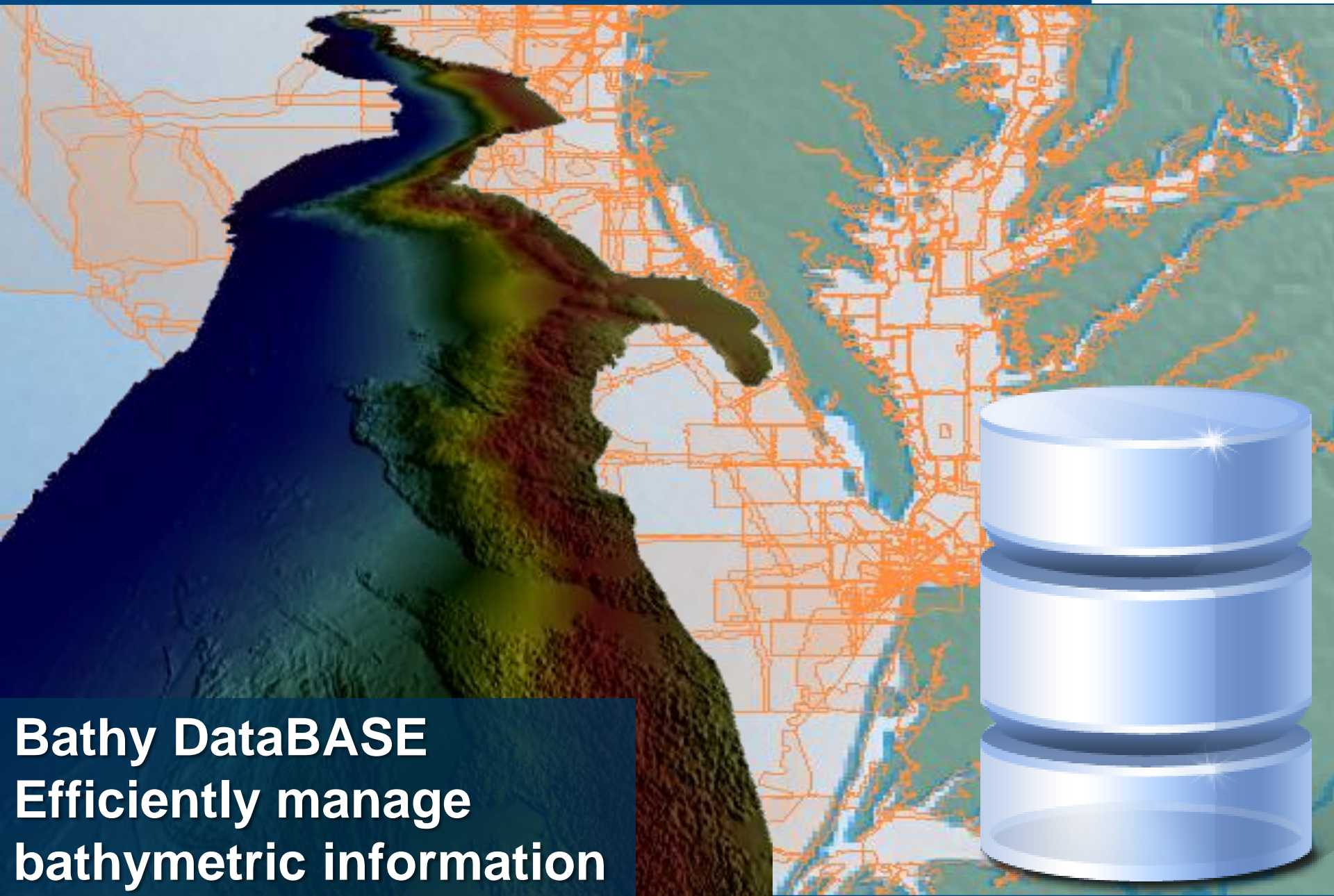
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WORKFLOW MANAGEMENT

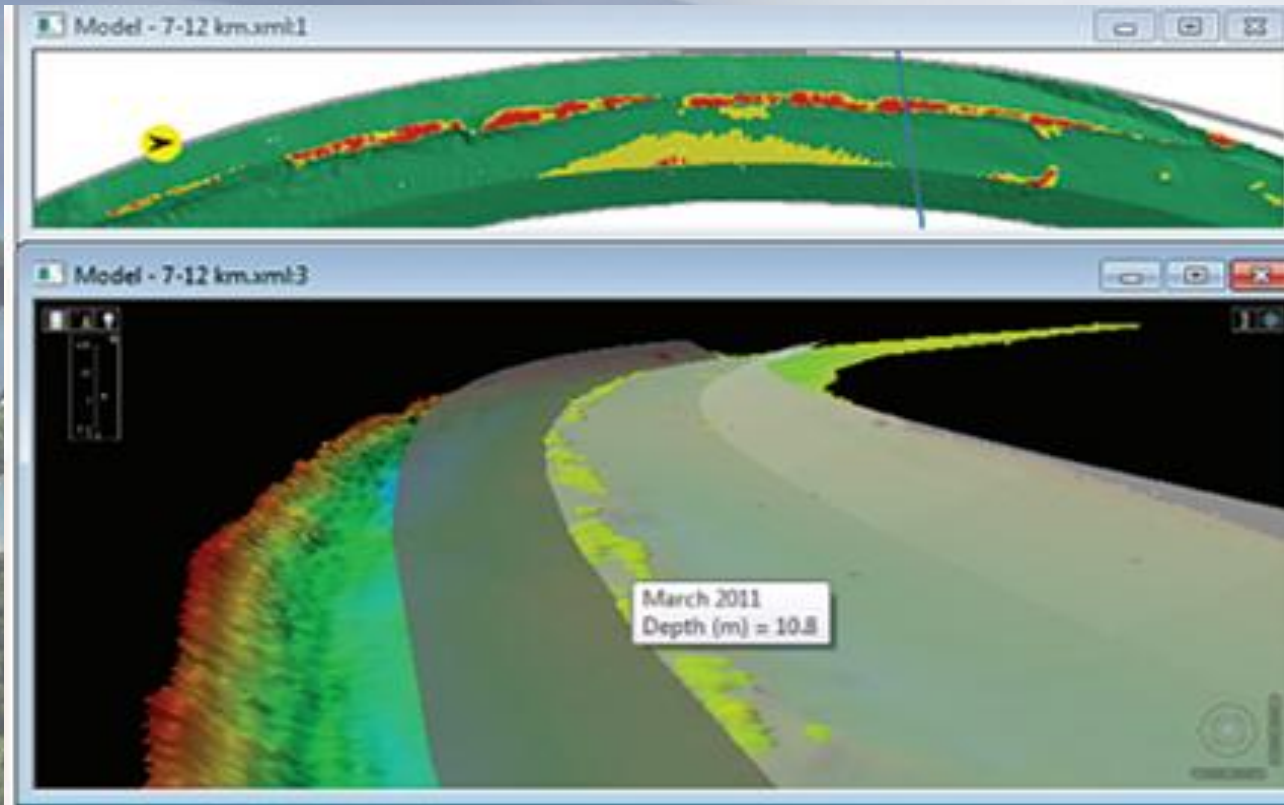


Bathy DataBASE
Efficiently manage
bathymetric information



BASE Editor

Desktop application for compilation and analysis of elevation datasets



Engineering Analysis Module
Tools for dredging and other engineering operations

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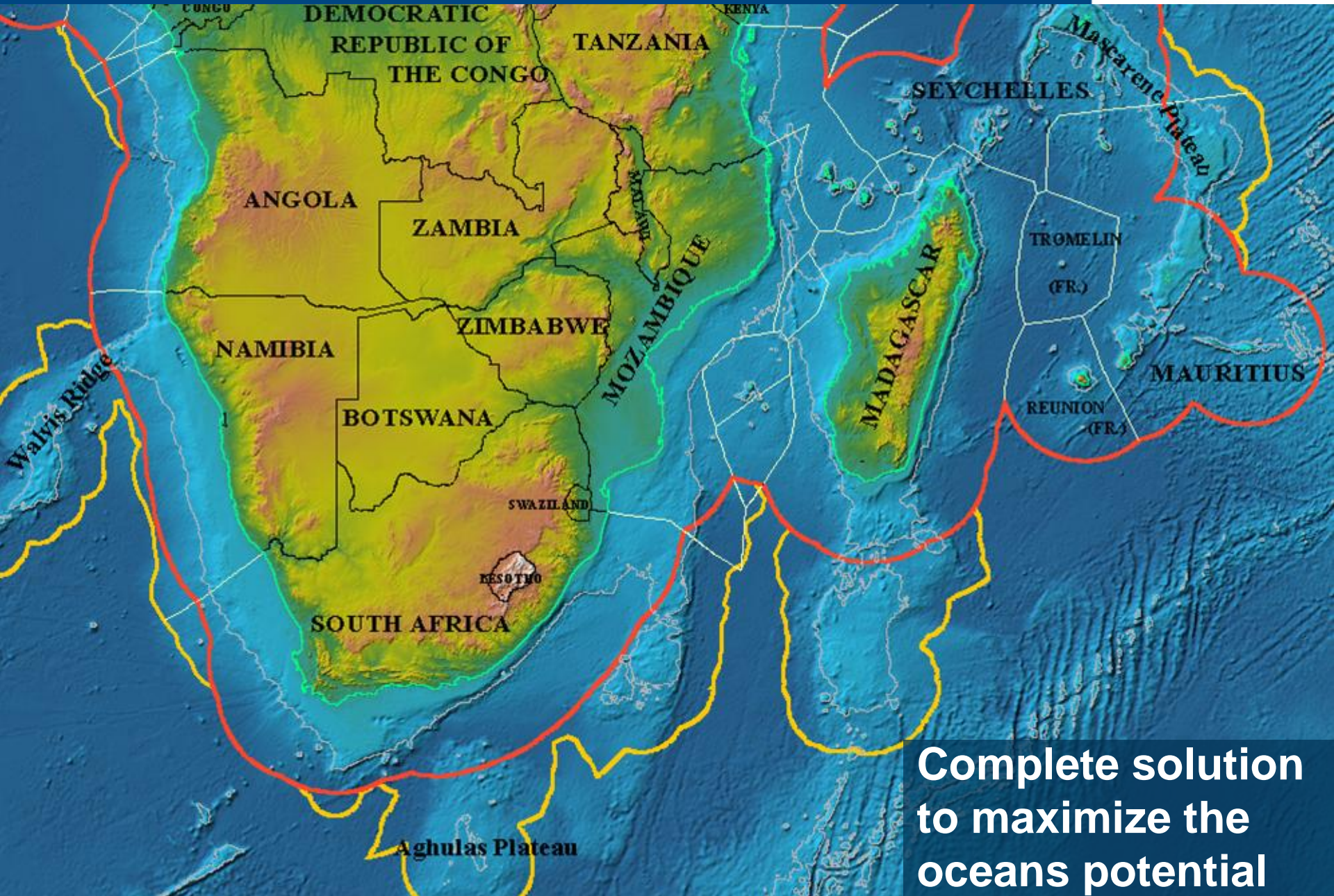
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**Complete solution
to maximize the
oceans potential**

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WORKFLOW MANAGEMENT

CARIS Paper Chart Composer - [Sheet View]

File Create Edit View Tools Select Certify Window Help

Port Louis:Sheet:P

Calibri 11 B I U

Layers

- Port Louis
 - Sheet
 - Panel Port Louis
 - Panel Data: Port Louis
 - Deleted Objects

Draw Order

Chart Properties

Acronym	Name	Value
BDRTYP	Border Type	
DEPDAT	Depth Datum	
DEPUNT	Depth Units	
GRTINT	Graticule Interval	
HGHTDA	Height Datum	
HGHTUN	Height Units	

Selection

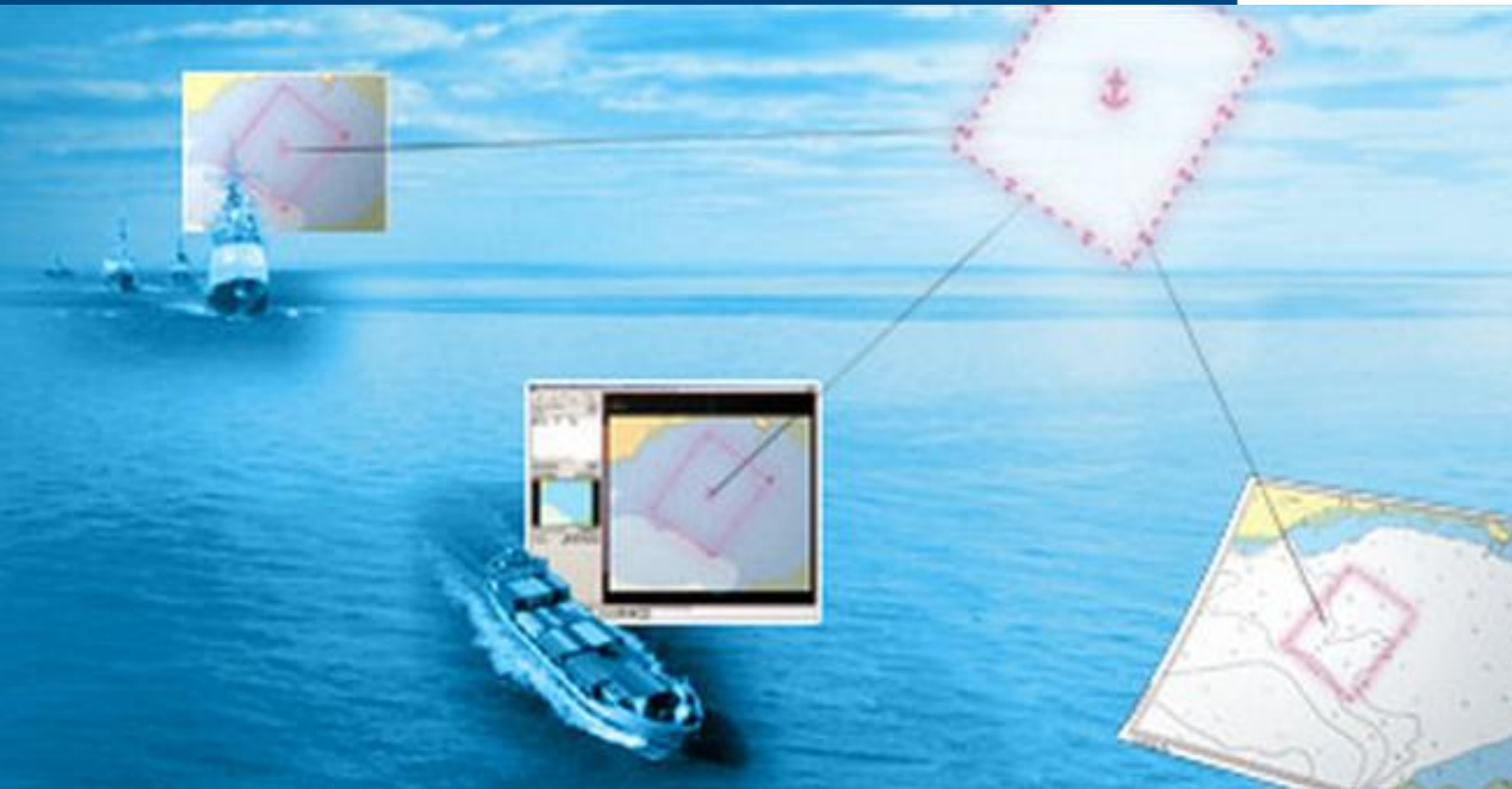
Feature ID	Acronym	Name	Geometry	Latitude	Longitude	Depth	Object T...
1C 000000...	BOYCAR	Buoy, car...	Point	50-21.40N	004-08.5...		Geograp...

Attributes

Acronym	Name	Value
NATCON	Nature of constru	
NOBJNM	Object name in n	
OBJNAM	Object name	S Winter
PEREND	Periodic date enc	
PERSTA	Periodic date sta	
STATUS	Status	

Coordinates

	Latitude
1	50-21.40N



Hydrographic Production Database Eliminate Redundancy in Data Management

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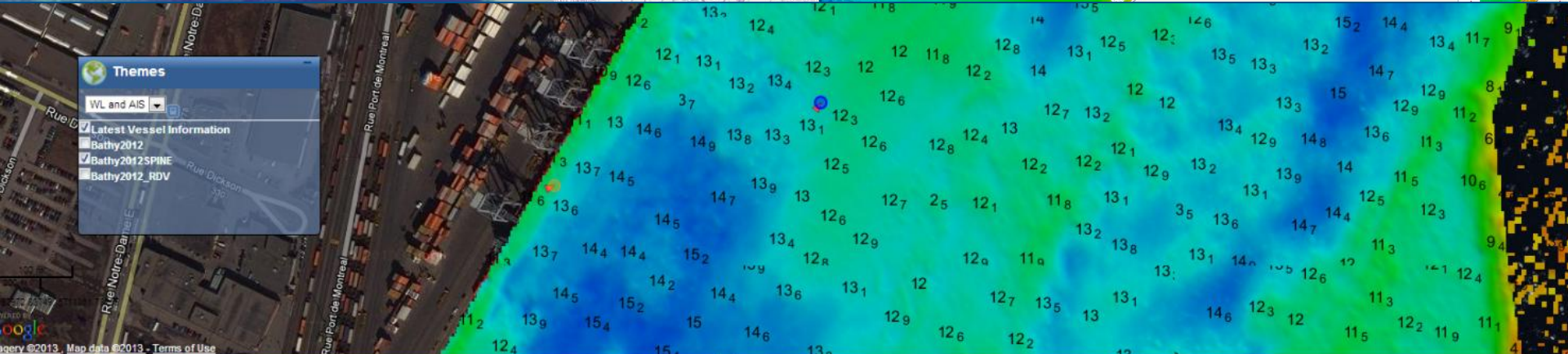
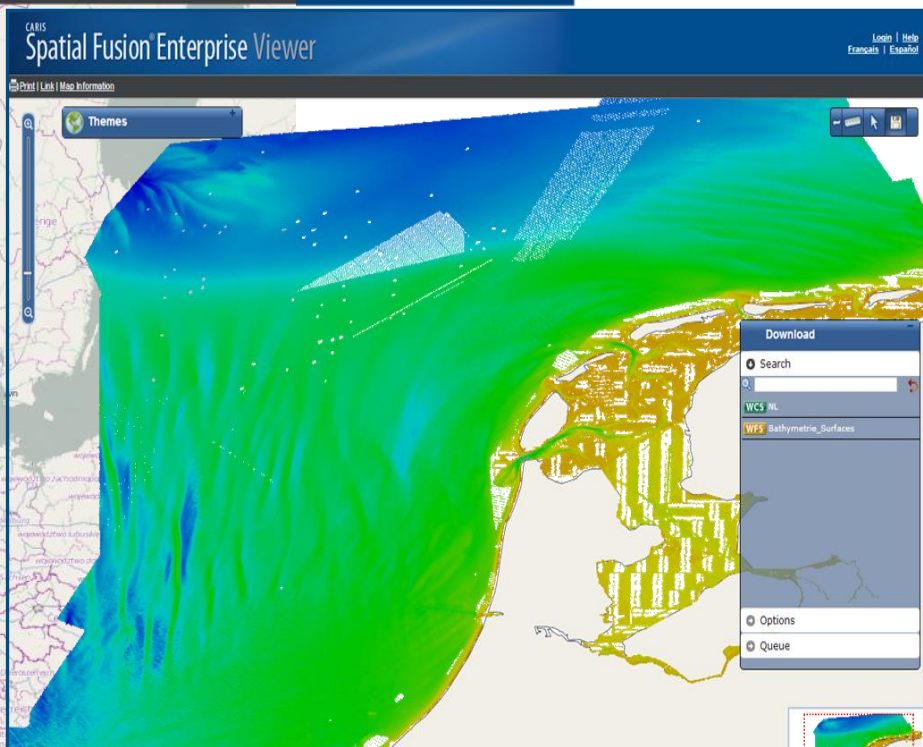
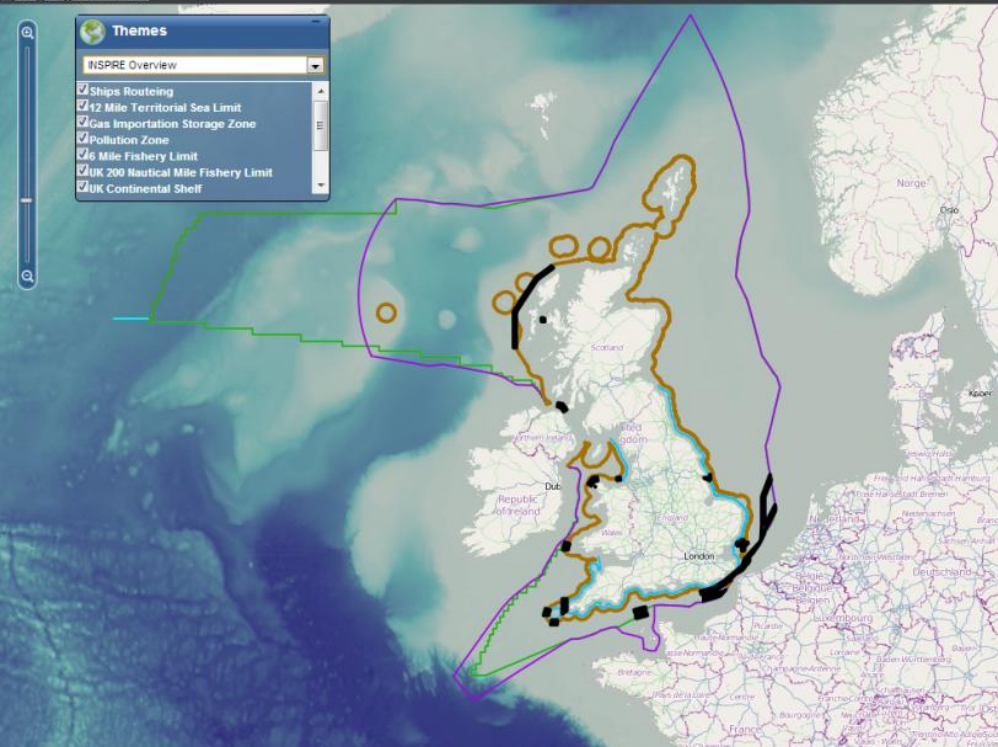
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WORKFLOW MANAGEMENT



mmsi	imo	vesse_name	callsign	vesse_type	vessel_type_code	vessel_type_cargo	length	width	flag_country	flag_code	destination	eta	draught	longitude	latitude	sog	cog	rot	heading
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Free viewer for 2D and 3D geospatial data



Easy View 4.0



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