

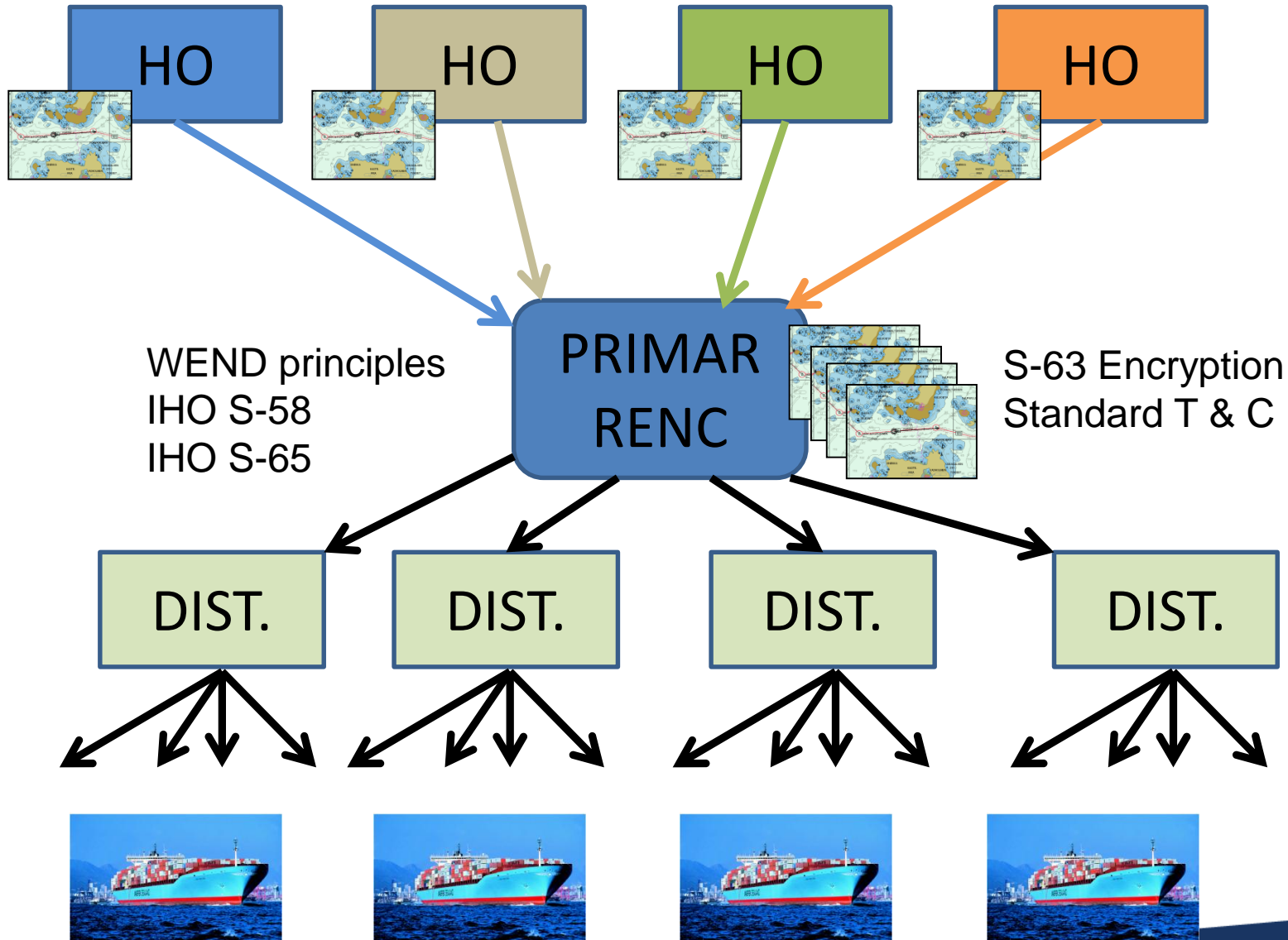
PRIMAR RENC – RSAHC7

Hans Chr. Lauritzen, Director PRIMAR

The RENCs – an important tool for IHO

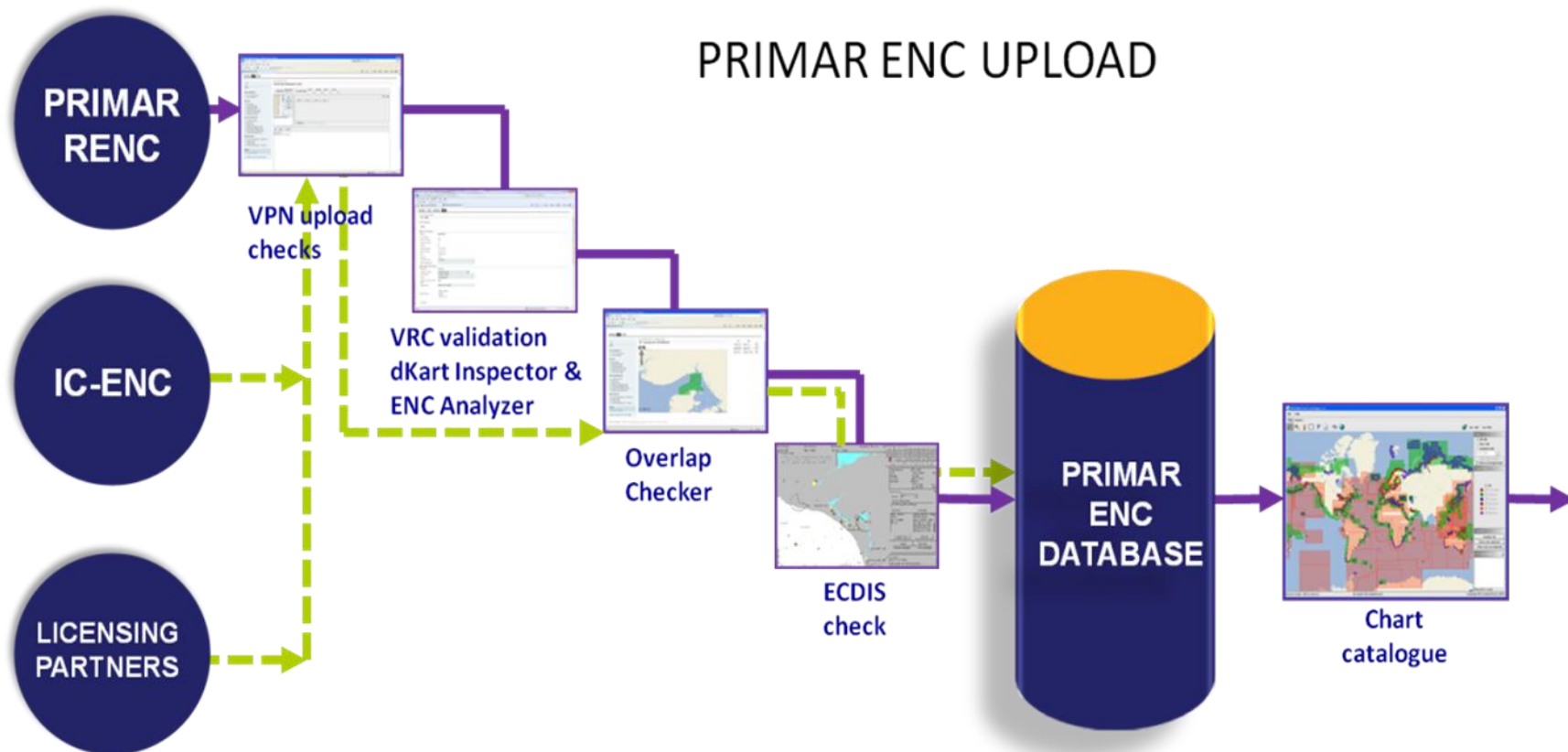
- Governmental, non- profit organizations
- Governed by the member nations
- The WEND principles are achieved through the RENCs
- ENC Quality control and validation
- Capacity building
- ENC distribution
- Value added services - MSDI
- ENC revenue management

ENC Distribution through PRIMAR

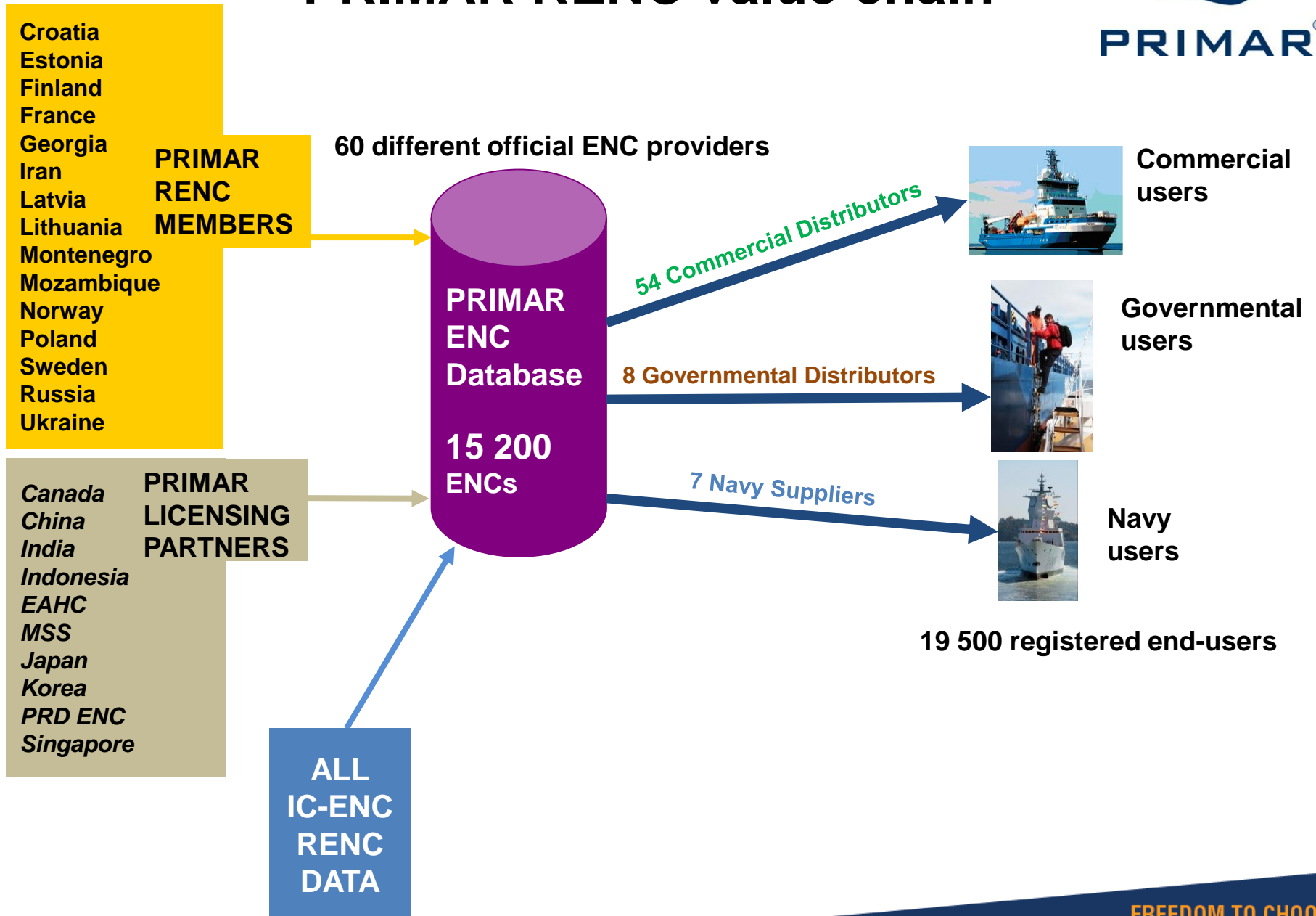


ENC QC AND VALIDATION SERVICES

PRIMAR ENC UPLOAD



PRIMAR RENC value chain



PRIMAR ENC Distribution



PRIMAR supports a wide range of services to assist hydrographic offices in meeting their national requirements.



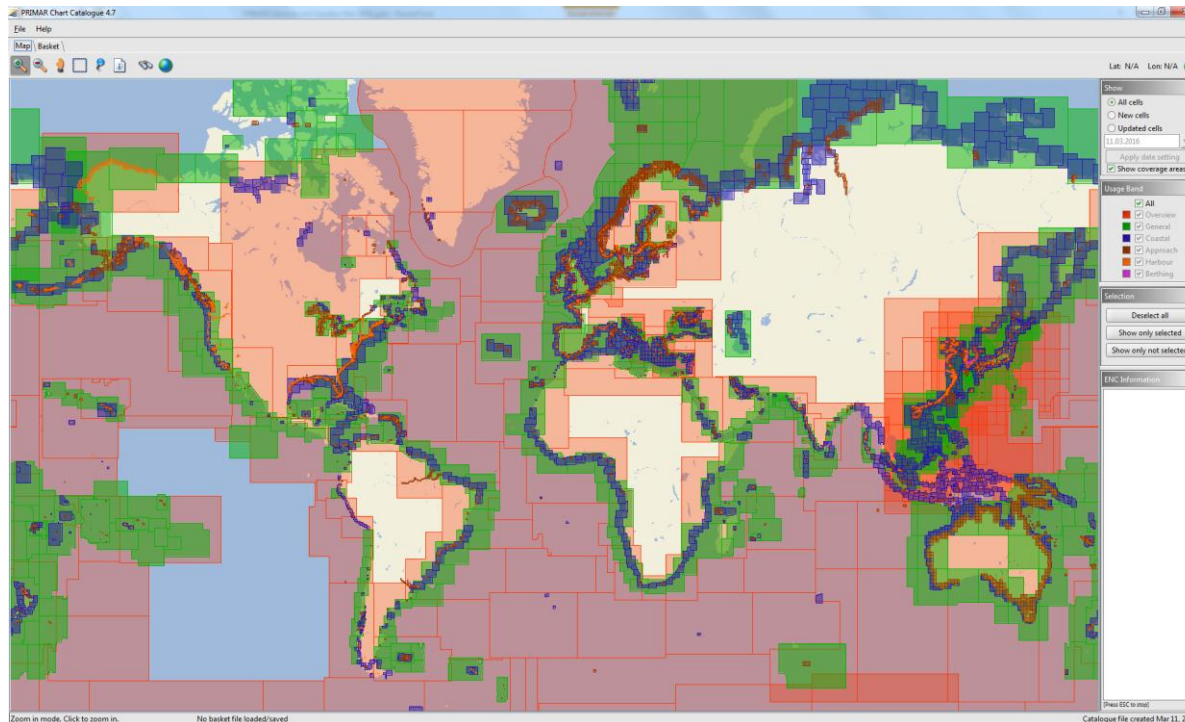
PRIMAR Navy / Governmental Supplier Services PRIMAR[®]

- Delivery of both encrypted and unencrypted ENC service to Navy users – depending on national restrictions.
- Access to all ENCs distributed by PRIMAR.
- ENCs at wholesale prices. HO's may issue a discount for their own national ENCs.
- Distribution from the Navy / Governmental Supplier is strictly limited to own national users.



PRIMAR Navy / Governmental Supplier Services **PRIMAR**[®]

- Easy operation from the PRIMAR Chart Catalogue
 - Register and add users, Create ENC portfolios, Activate area of interest, View orders/reports, View licensee status, Download ENC updates and permit files etc.



2016 Capacity Building

- Three ENC validation workshops for four different nations. Nine ENC validators were trained.
- The 14th PRIMAR TEWG meeting. Thirty participants. Focus on new WEB Data Management tools in PRIMAR, ENC overlap. S-58, S-101 and S-102.
- One course in ENC distribution and services arranged for a Navy after signing the PRIMAR Navy Supplier Service.

Financial Issues

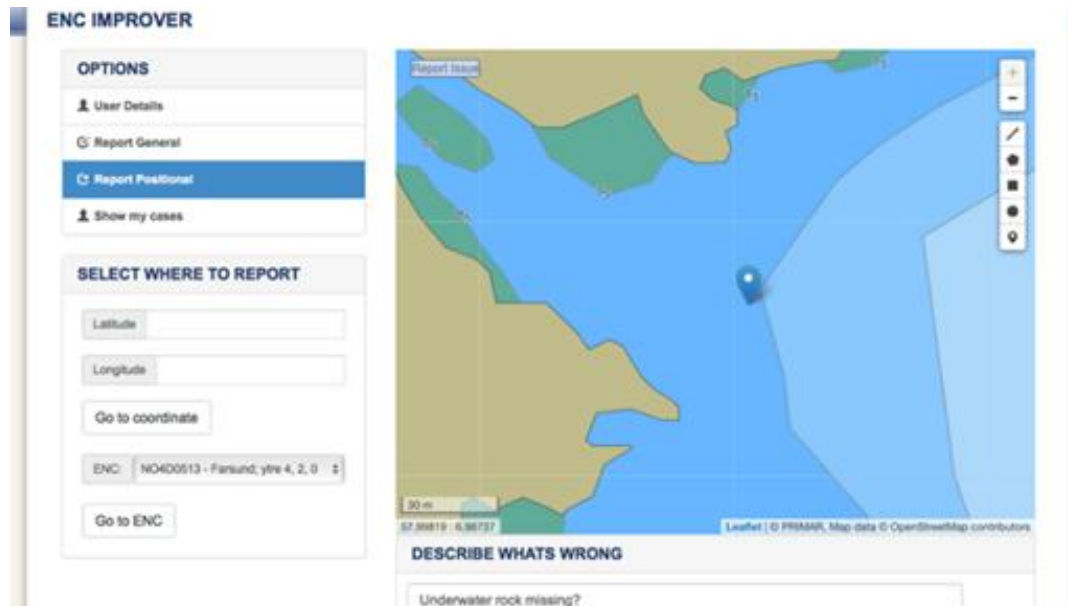
- New financial model approved by PAC 23. Effective from 2017.
- Fixed fee pr. ENC transaction
- Transaction fee commercial transactions: \$1,0
- Transaction fee national transactions: \$1,4
- Transaction fee national services to non-PRIMAR members: \$2,3

Technology Development

- VPN Java applets to WEB project. Completed.
- Official ENC data report. Completed.
- Development of next generation of the PRIMAR Chart Catalogue has started. Will be completed in 2017. From Java to Web with improved functionality.

Technology Development

- Web-based PRIMAR ENC Improver. Completed.
- Allows an end-user to provide feedback to the Hydrographic Office on observed errors in an ENC.



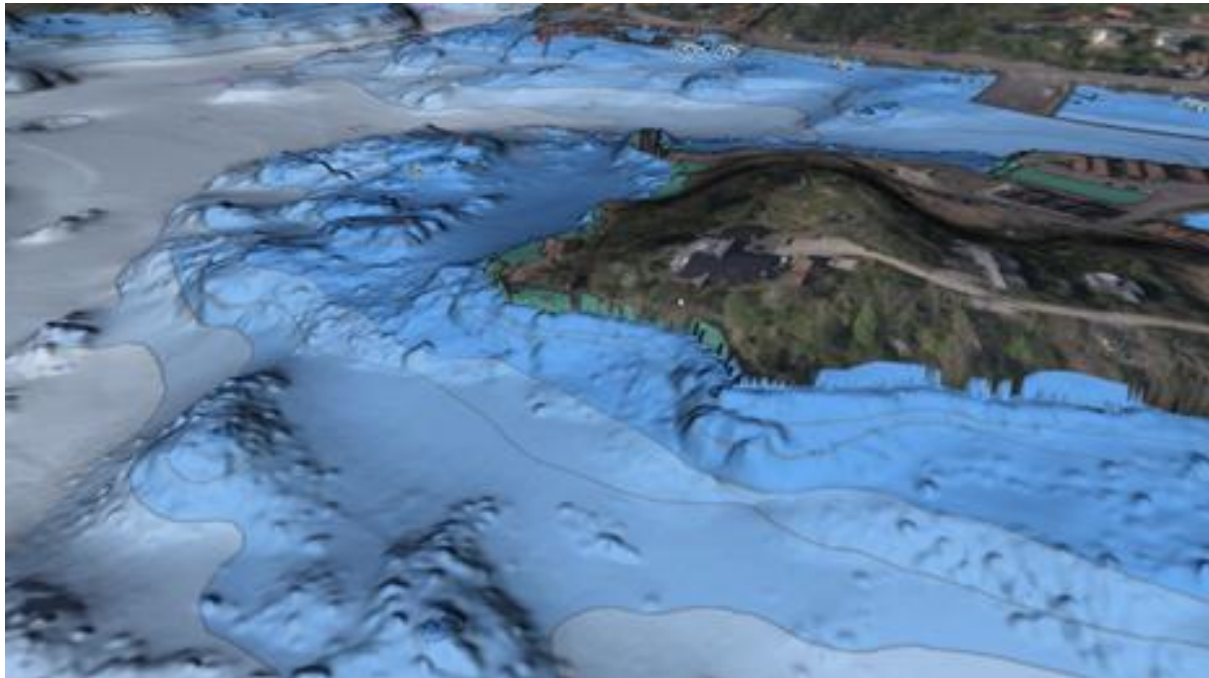
The screenshot displays the 'ENC IMPROVER' web application interface. On the left, a sidebar contains a menu with options: 'User Details', 'Report General', 'Report Positional' (highlighted in blue), and 'Show my cases'. Below this is a section titled 'SELECT WHERE TO REPORT' with input fields for 'Latitude' and 'Longitude', a 'Go to coordinate' button, an 'ENC' dropdown menu showing 'NO400513 - Farsund, yre 4, 2, 0', and a 'Go to ENC' button. The main area features a map of a coastal region with a blue pin indicating a report location. A scale bar for 30 meters and coordinates '57.89819 - 6.98737' are visible. At the bottom, a section titled 'DESCRIBE WHATS WRONG' contains a text input field with the text 'Underwater rock missing?'. The map data is attributed to 'Leaflet | © PRIMAR, Map data © OpenStreetMap contributors'.

PRIMAR's Vision

IN ORDER TO ENHANCE SAFETY AT SEA AND PROTECT THE MARITIME ENVIRONMENT, PRIMAR'S VISION IS TO BE THE MOST EFFICIENT MODEL FOR THE PROVISION OF ENC SERVICES AND MARITIME GEOSPATIAL DATA WORLDWIDE.

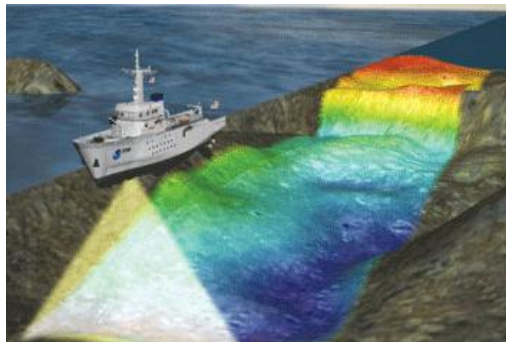
Technology Development

- S-102 data distribution. Ongoing.
- S-102 upload, validation, viewing, encryption and distribution. Operational 2017.

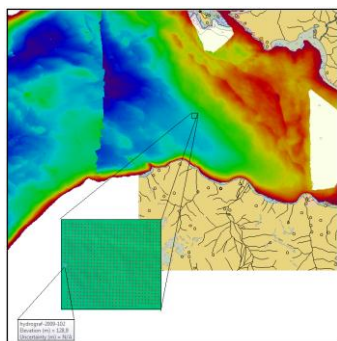
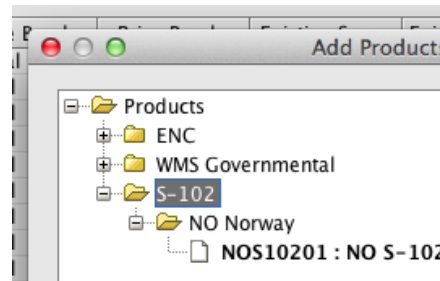


S-102 value chain

Data collection



PRIMAR S-102 validation and distribution



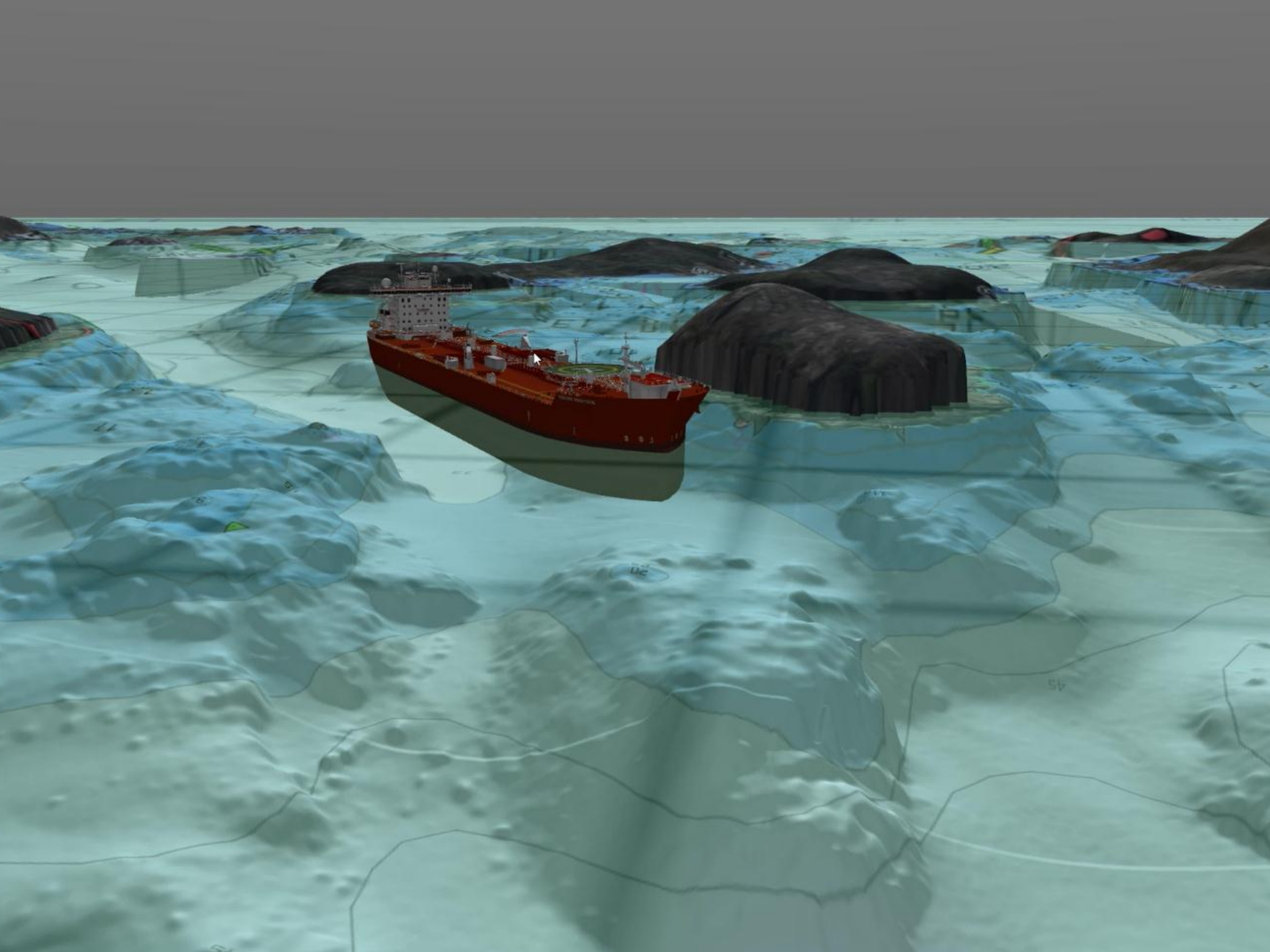
Data processing
S-102 production

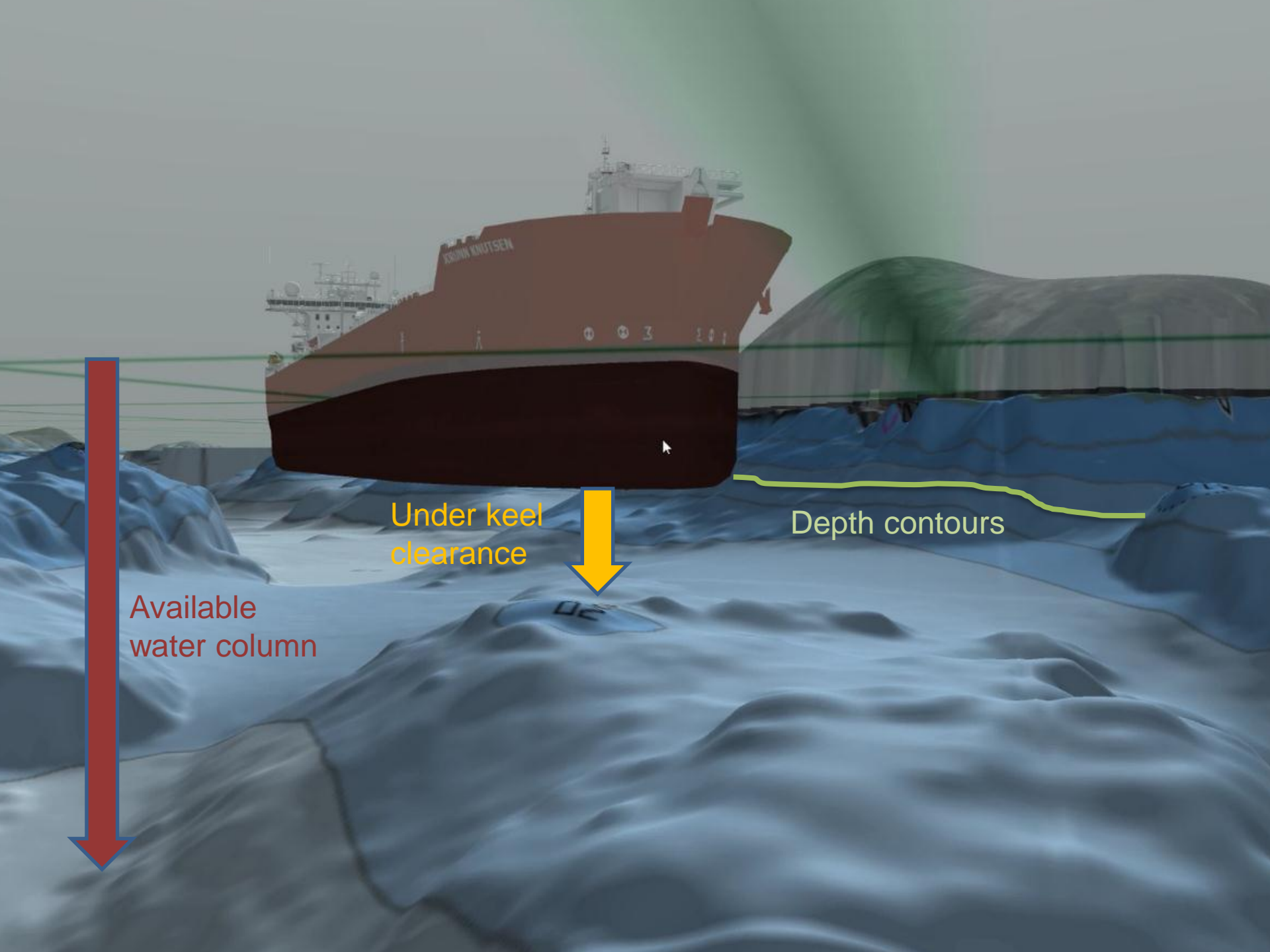
Commercial
and National
Distributors

Sales



End-
users





Under keel
clearance

Depth contours

Available
water column

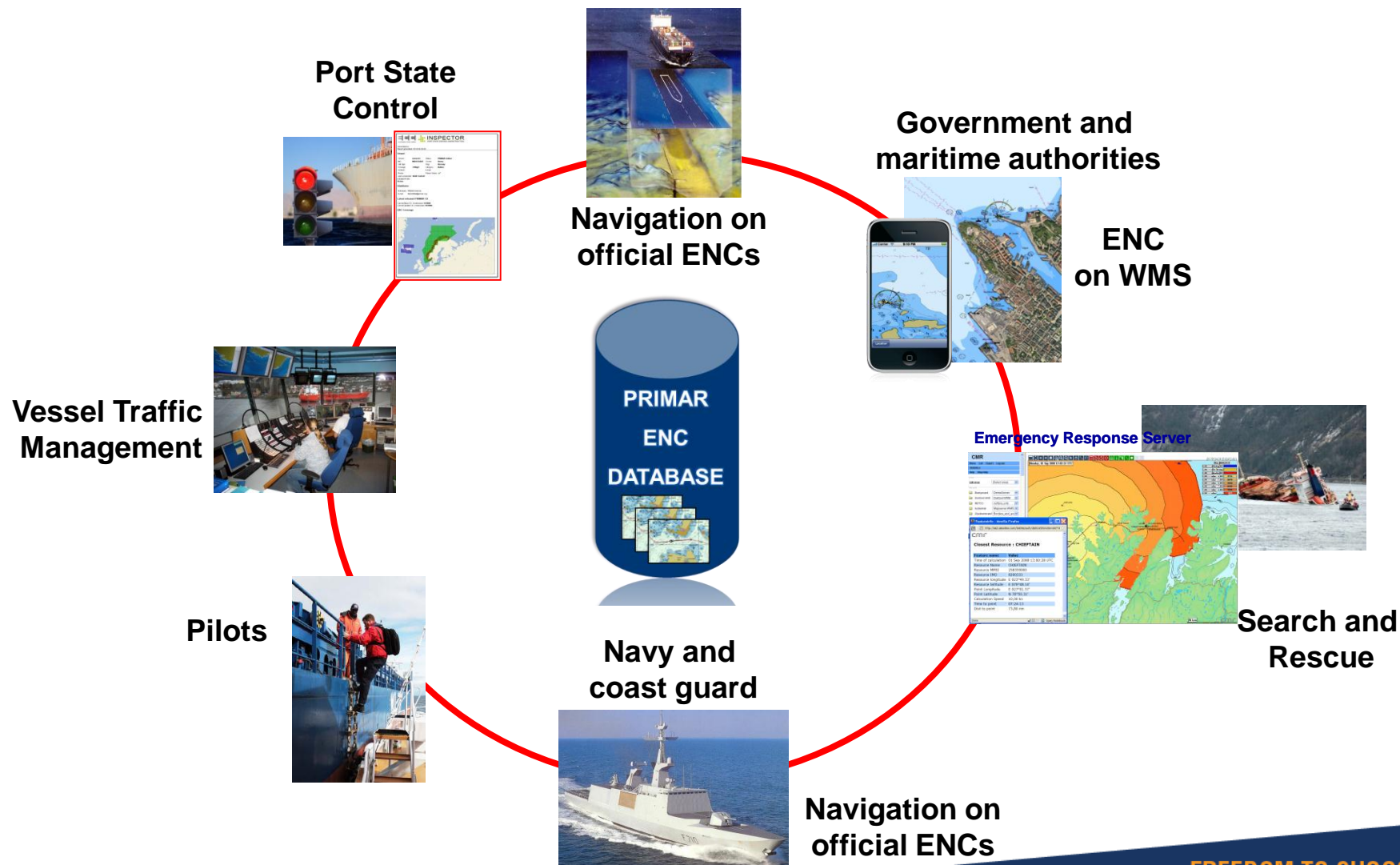


Targets for 2017

- Provide the world's most efficient ENC quality control and validation services.
- Increased ENC coverage – new members.
- Capacity Building
- Evaluation of new financial model
- Updated strategic plan
- Continue technology development – S-101 project start.
- Visibility

Maritime Safety Circle

Through PRIMAR, all actors have access to the
SAME CHARTING INFORMATION



Thank you for your attention
Questions?

www.primar.org