

IHO HSSC 7 Open Forum



The Challenges of Evolving from S-57 to S-101 Production Systems

Rafael Ponce

Busan, Korea Thursday November 12th. 2015

A globe of Earth is centered in the image, showing the continents of North America, South America, and parts of Europe and Africa. The globe is overlaid with a digital grid of glowing blue squares and rectangles, some of which are slightly offset, creating a sense of depth and movement. The background is a deep blue with a network of white lines and small white dots, resembling a data visualization or a digital space. The text "S-100 – Hydrographic Data Beyond the Bridge" is written in a white, sans-serif font across the middle of the globe.

S-100 – Hydrographic Data Beyond the Bridge

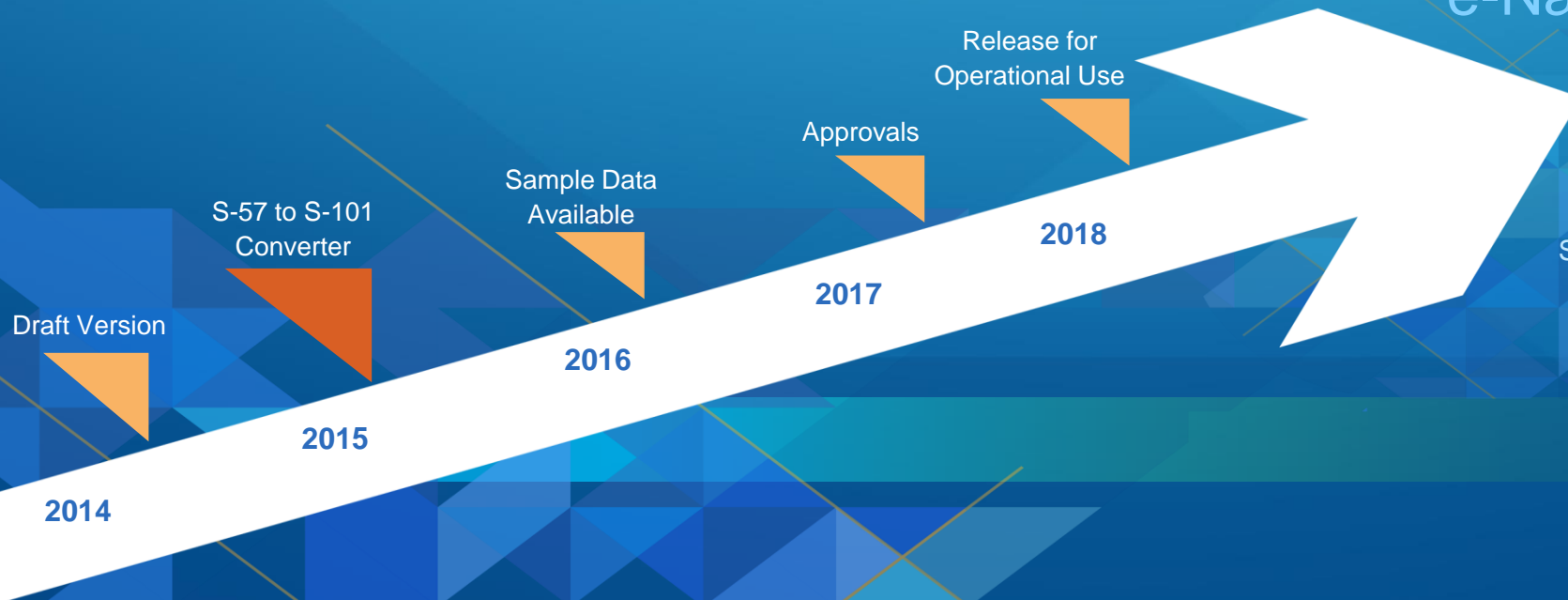




S-101 Road Map

▶ Advancing Next Generation Standards

IHO S-101 Development and Test-bed Timeline



S-100 Working Group

S-101 Converter

Real-time Tides

e-Navigation

Exchangeable Catalogues

ISO 19100

Complex Attributes

S-100 Based Products

Navigational Decision Making

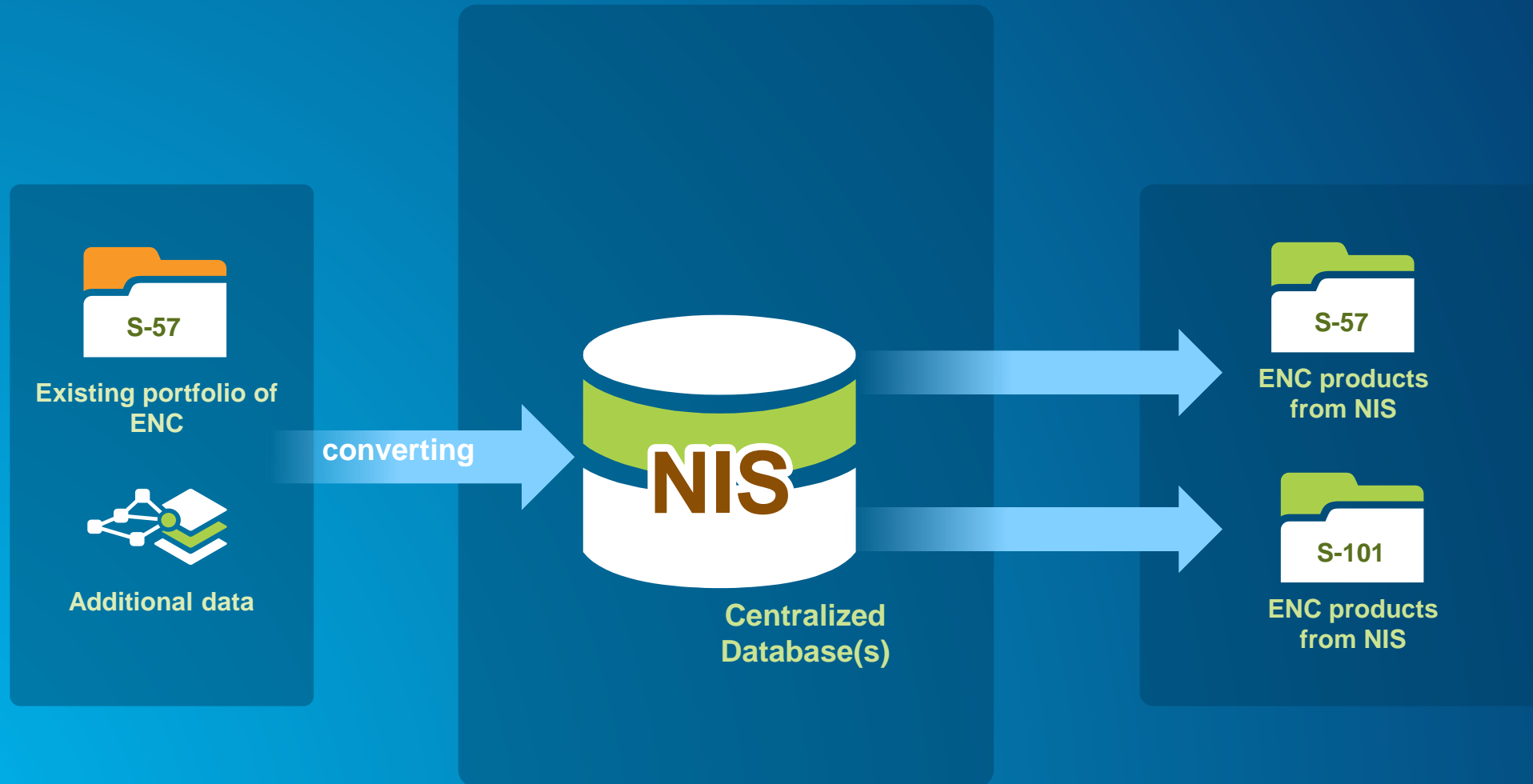
Better Portrayal

... Advancing the ArcGIS Platform to support Maritime Standards

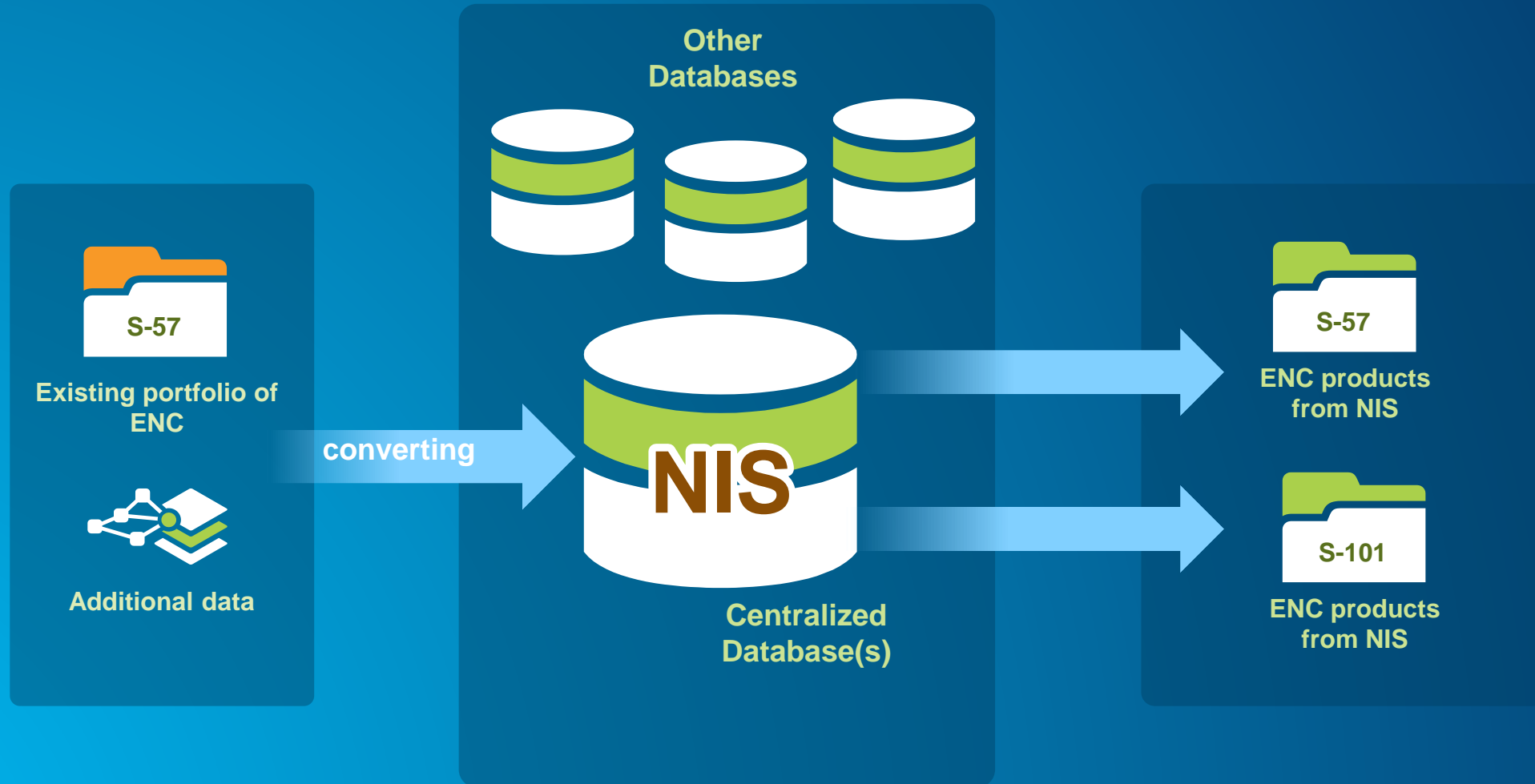
Contemplating Migration from S-57 to S-101

- Gradual transition of the SOLAS users
- Extended period of time with S-57/S-101 overlap
- HOs to learn how to encode the new spec.
- Manage, Analyze, Produce and Maintain two types of ENC products
- Cartographic departments:
 - Flexible migration
 - Gradually leveraging S-101 content

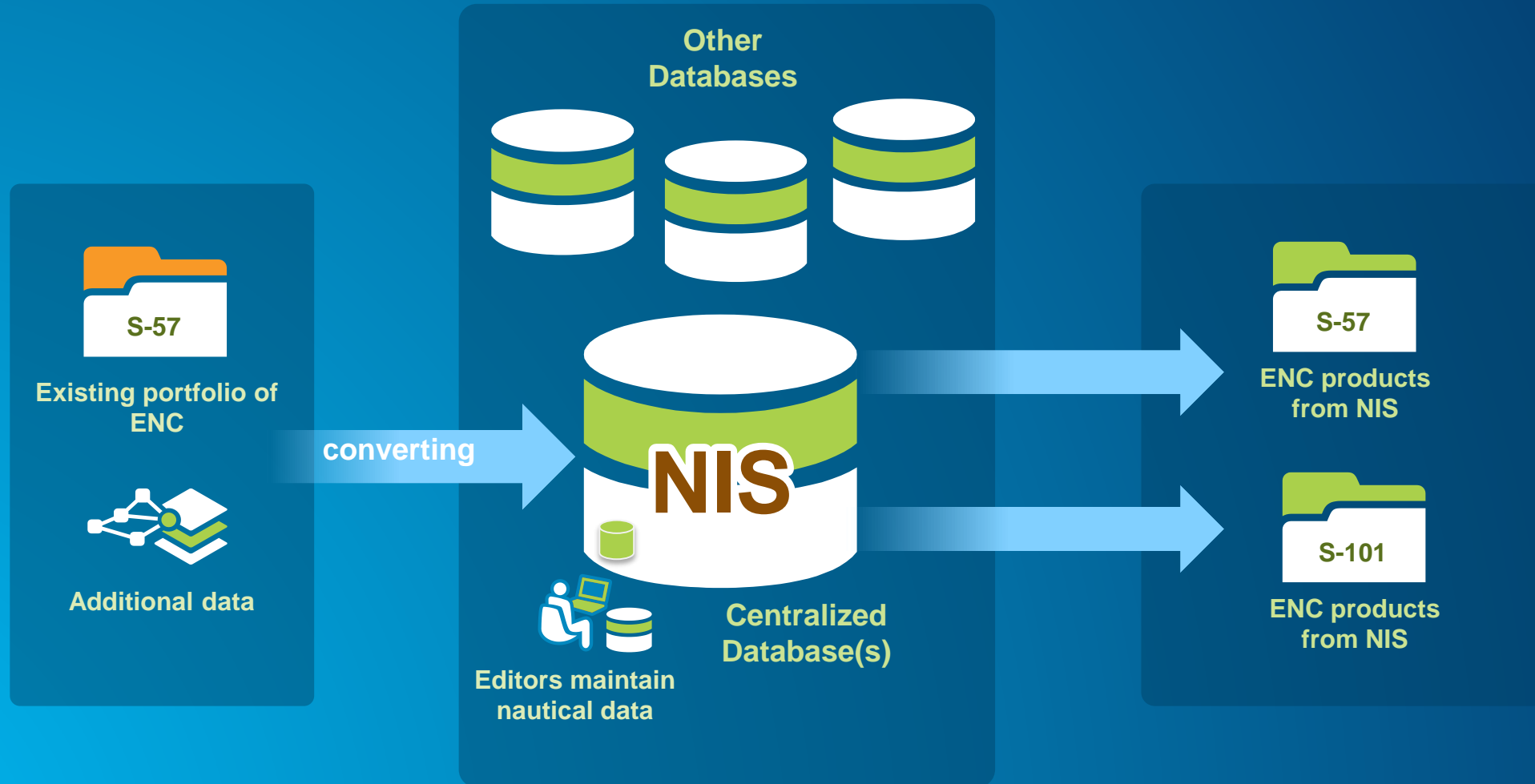
Dual ENC Production



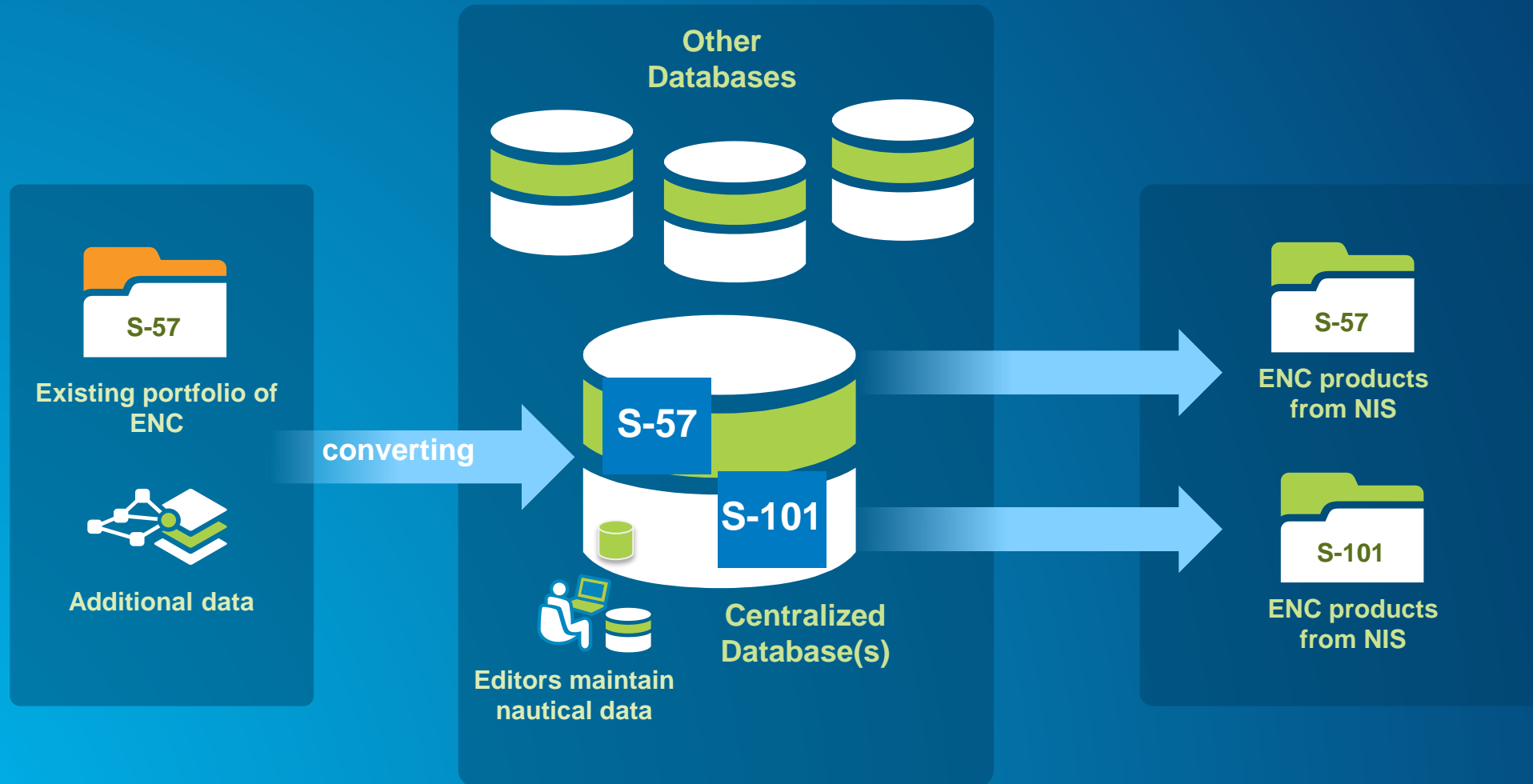
One or more Databases



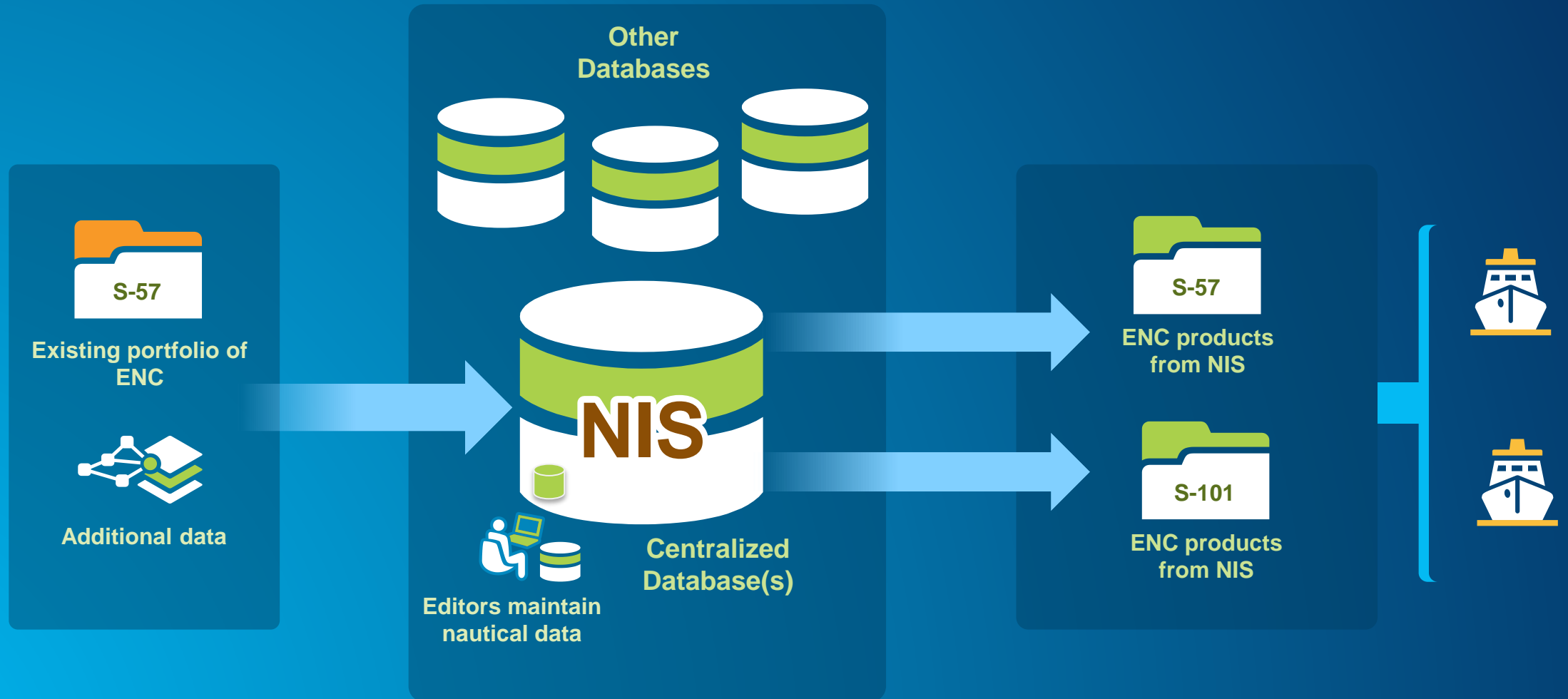
Capturing S-101 features



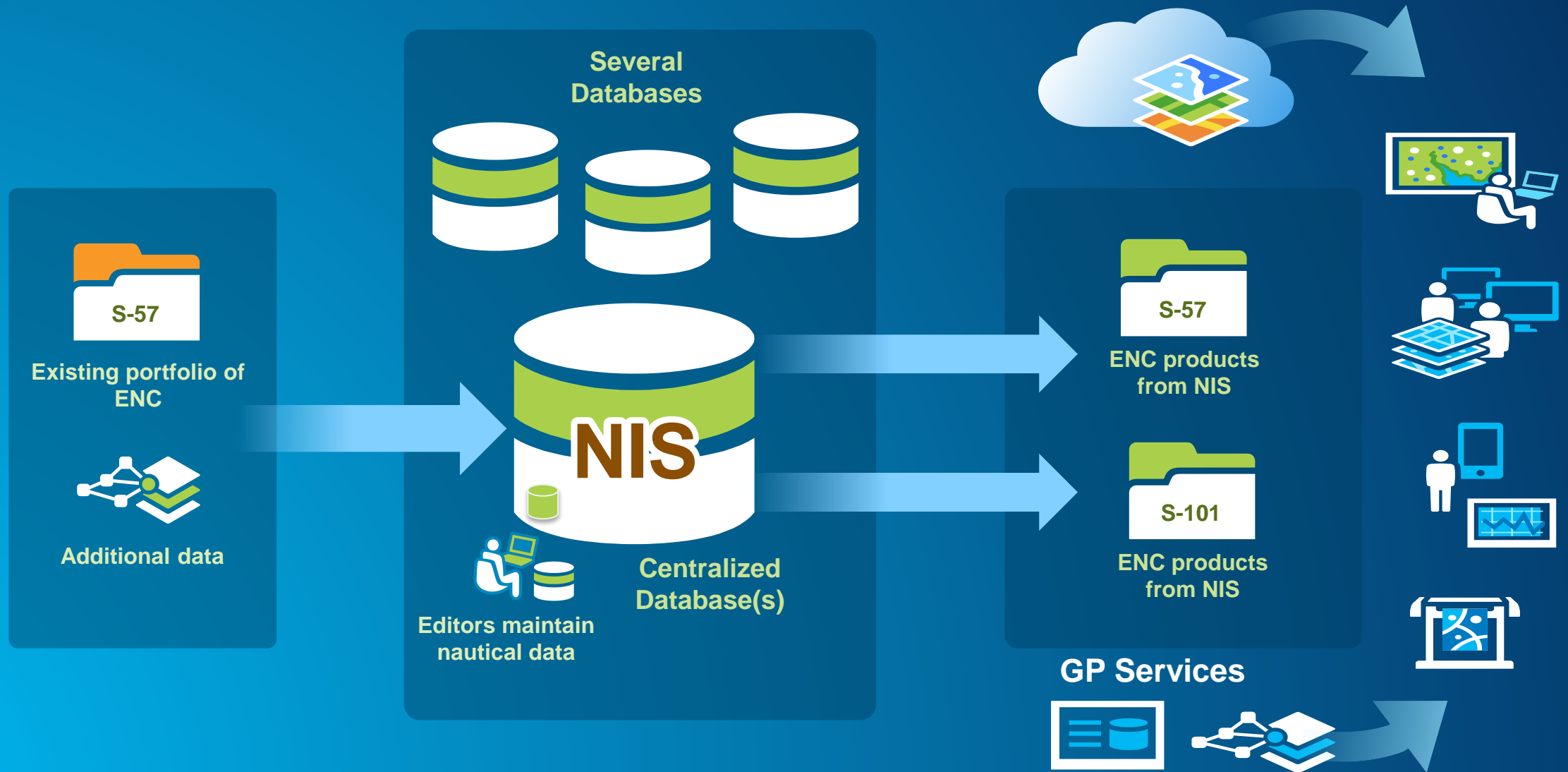
Managing new elements and additional features



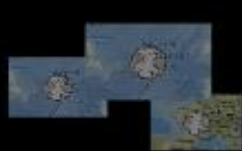
Serving the SOLAS and non-SOLAS market



And an opportunity to serve a large non-navigational market







Some conclusions



Understanding our world.

Thank you!

rponce@esri.com