

ic-enc

International Centre for Electronic Navigational Charts

IC-ENC Catalogue Developments

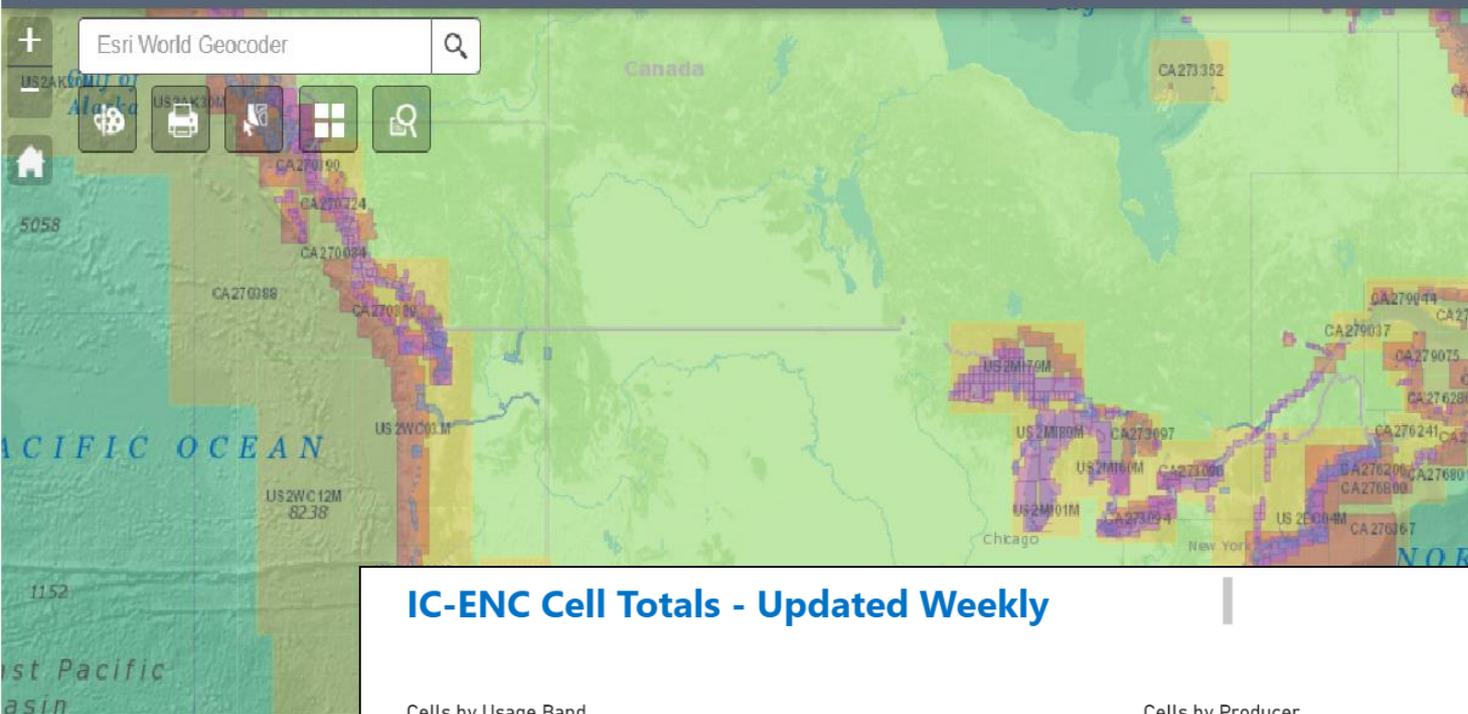
WENDWG12 05.2A Feb 22

Current Situation

- IC-ENC currently provides a public facing graphical catalogue of its S-57 ENC folio, this is kindly supported by Portugal

<https://gisportal.hidrografico.pt/arcgis/apps/webappviewer/index.html?id=0c592915e0884049b7c197bf7cbe2d91>

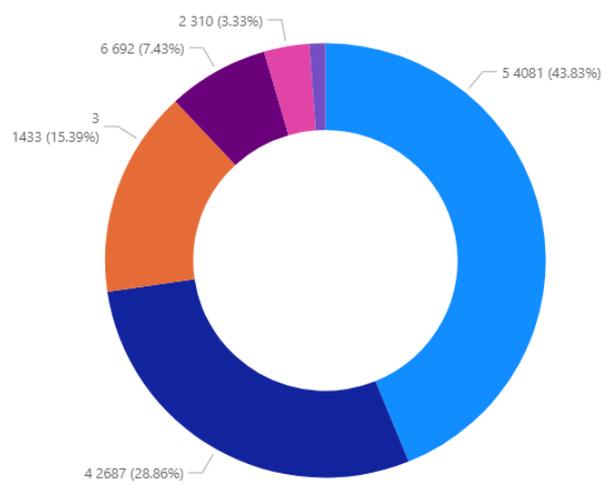
- ▶ The Catalogue is currently updated weekly to reflect the IC-ENC weekly release cycle
- ▶ This Catalogue information is also provided to the IHO Secretariat weekly in Shapefile format
- ▶ IC-ENC also provides a graphical dashboard of Cell Totals to its members



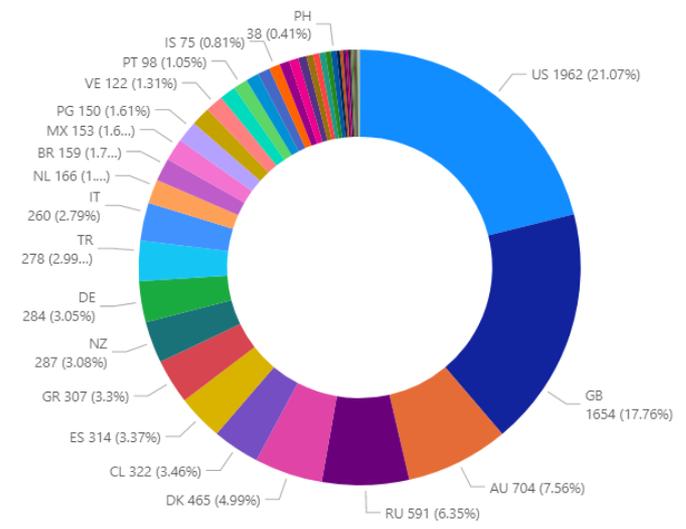
IC-ENC Cell Totals - Updated Weekly

Total Cells
9311

Cells by Usage Band

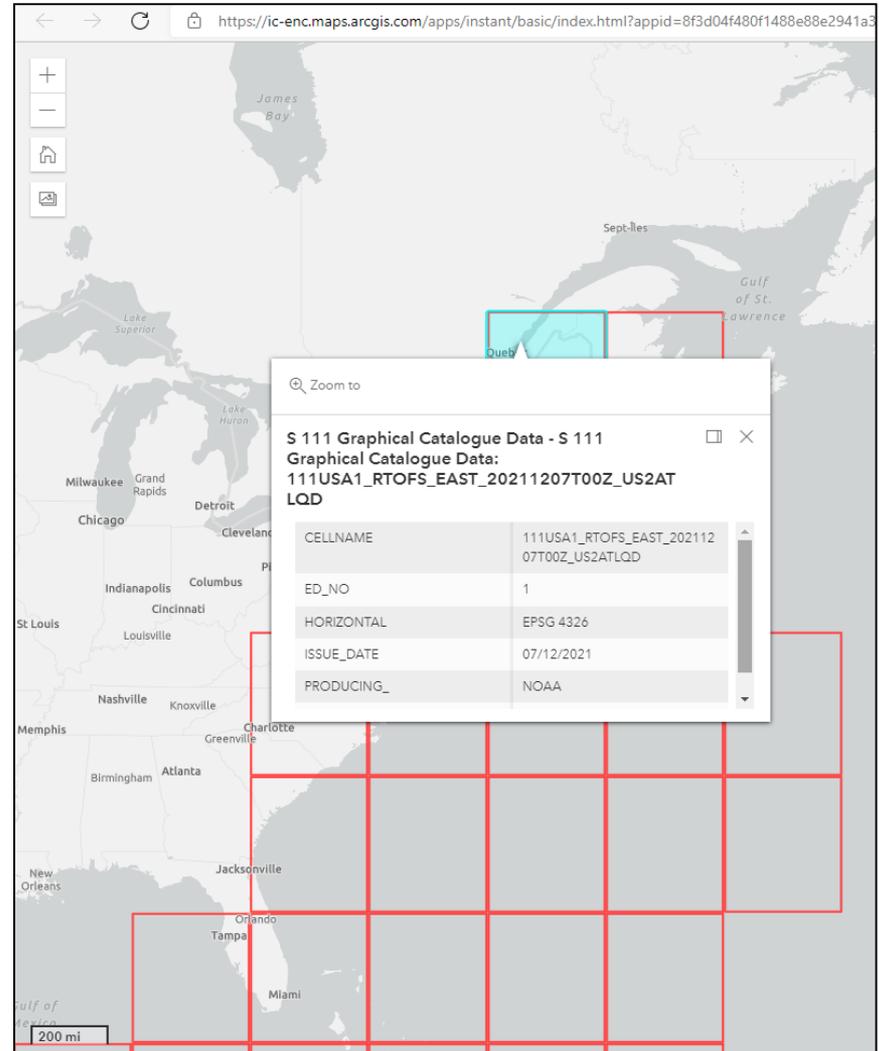


Cells by Producer



Current Developments

- ▶ IC-ENC has now established its ArcGIS Online infrastructure and it is intended to migrate to this for live catalogues early in 2022, an initial S-1xx catalogue has been created
- ▶ IC-ENC is moving to release data more frequently and initially the catalogue information will continue to be maintained weekly
- ▶ A planned future change is to indicate HD ENC cells specifically in the graphical catalogue
- ▶ IC-ENC has been developing its core workflow tool the DMD to support S-100 products and will have the functionality to release S-100 datasets and generate S-100 exchange sets early in 2022.



Service Interfaces

- ▶ IC-ENC has now exposed its S-57 ENC Catalogue via the following OGC endpoints, we would invite the IHO catalogue stakeholders to assess these and indicate if they could replace the current provision of Shapefiles

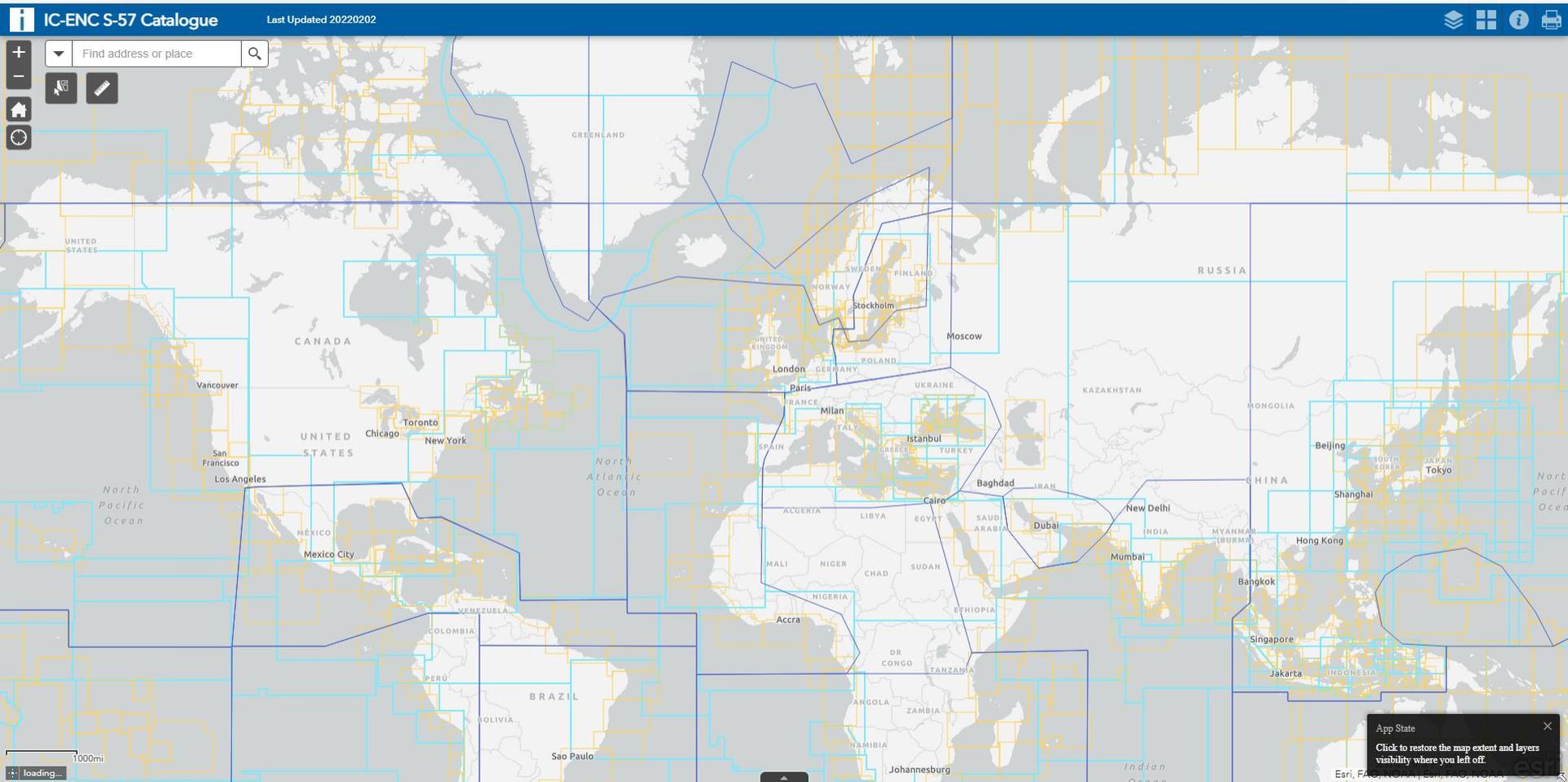
- ▶ OGC WFS:

<https://dservices-eu1.arcgis.com/NdTsShglmet2f8ai/arcgis/services/ICENC/WFSServer?service=wfs&request=getcapabilities>

- ▶ OGC Feature Layer

<https://services-eu1.arcgis.com/NdTsShglmet2f8ai/arcgis/rest/services/ICENC/OGCFeatureServer>

New S-57 ENC Catalogue



Future Situation

- ▶ Once S-100 5.0.0 is published IC-ENC will updated its systems to reflect this
- ▶ Once S-128 is published as a product specification IC-ENC will adapt its outputs to reflect this and intends to provide an updated S-128 dataset for each product type
- ▶ The S-128 datasets will also become the source of all graphical catalogue information

Summary

- ▶ Noting WENDWG Action 11/13

WENDWG supported by the RENCs to consider undertaking a review of the tools that are already available for cataloguing, managing, checking, tracing, ENC's (and other S-1xx Products in the future).

- ▶ From an IC-ENC perspective tools are being implemented to support S-1xx products (stable validation checks are a dependency). S-128 is also not yet fully stable

- ▶ Noting WENDWG Decision 11/14

The WENDWG agreed on the way forward to consider the subsequent development of INTToGIS III, using S-128 standard as far as possible, in order to allow HOs and other users to visualize S1xx products coverage in the future.

- ▶ IC-ENC supports this decision and will seek to provides its outputs as S-128

ic-enc