



# MBSHC-24

## *Information Management Update*

### **Agenda Item 04.3A**



**IHO**

# **CONTENT**

International  
Hydrographic  
Organization

- 1. Current IHO website ([link](#)): IHO Yearbook P-5, Strategic Plan, S-100 Roadmap...**
- 2. ...towards the IHO Portal (registration, meetings,...) iaw @C7/42 ([link](#))**
- 3. INTToGIS III Update**



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# INTOGIS III: 2024 PLANNING

International  
Hydrographic  
Organization

## GOAL

October 10 INTOGIS III commissioning announced by IHO CL

- After completion of **Internal IHO Secretariat Test** ...
- ... Followed by completion of **external test** with RHCs Coordinator

## PLAN

1. **[MAY]** **Completion of the development of INTOGIS III version 1.0**
  - Version 1.0 to be testbed, User manual version 1.0, Test data set, if appropriate for each S-1xx products
2. **[JUN]** **Completion of Internal IHO Secretariat Test on INTOGIS III version 1.0**
  - Report on correction action and improvement\* of testing
  - \* N(Necessary), I(Important), NtD (Nice-to-do)
  - Implement correction item including updating to user manual
3. **[JUL - AUG]** **Completion of Testing Phase by RHC S-100 Coordinators**
  - Report on testing outcome, Amend INTOGIS III and user manual version 1.x
4. **[10 OCT]** **Commissioning of INTOGIS III version 2.0 by IHO CL**



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# DEVELOPMENT PLAN

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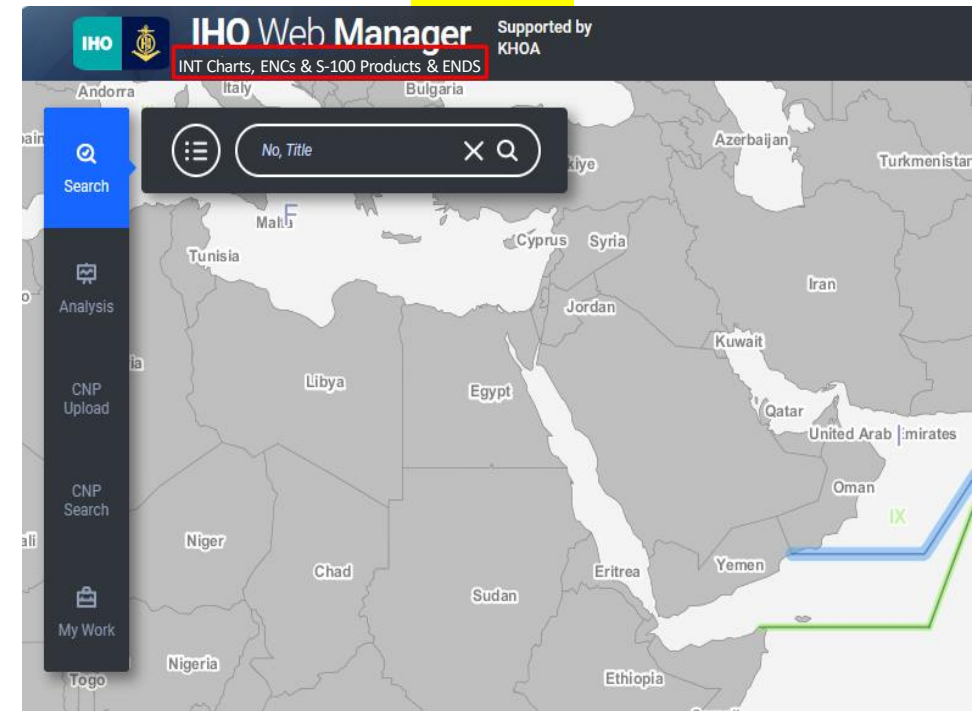
## ❖ Change the main title to read

- INT Charts, ENC's & S-100 Products & ENDS

AS-IS



TO-BE





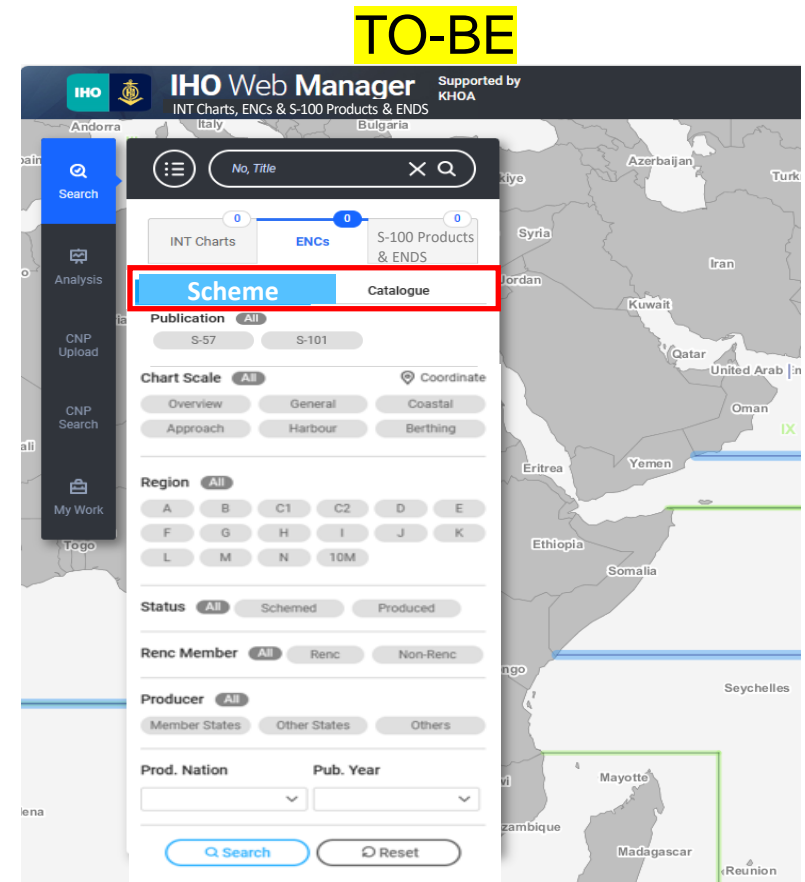
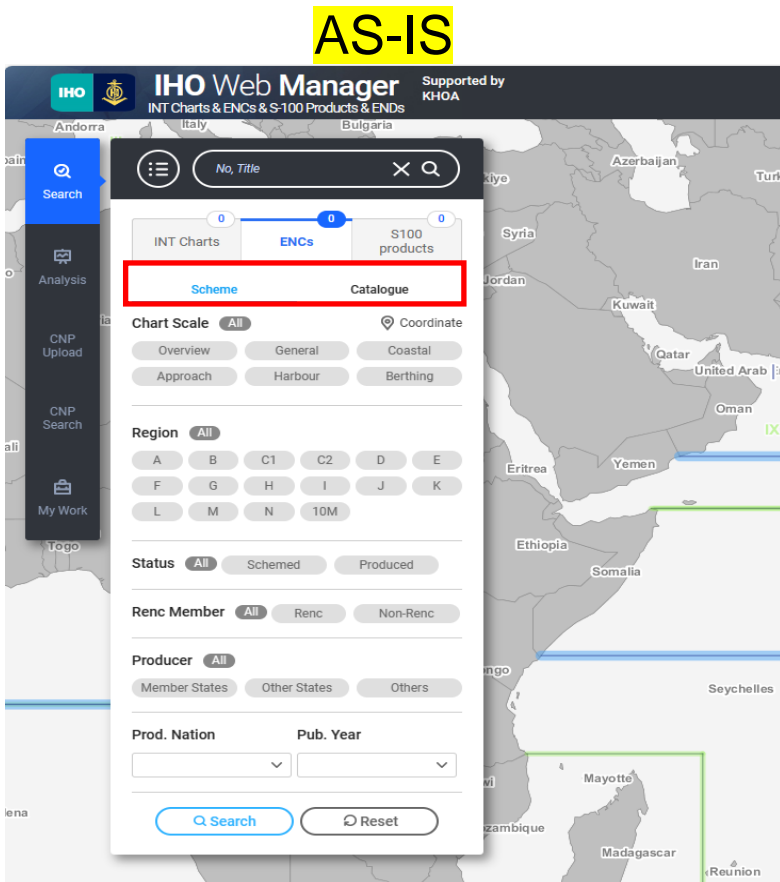
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# DEVELOPMENT PLAN

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## ❖ Change the ENC's tab interface

- Change the interface for better visibility when selecting scheme and catalogue





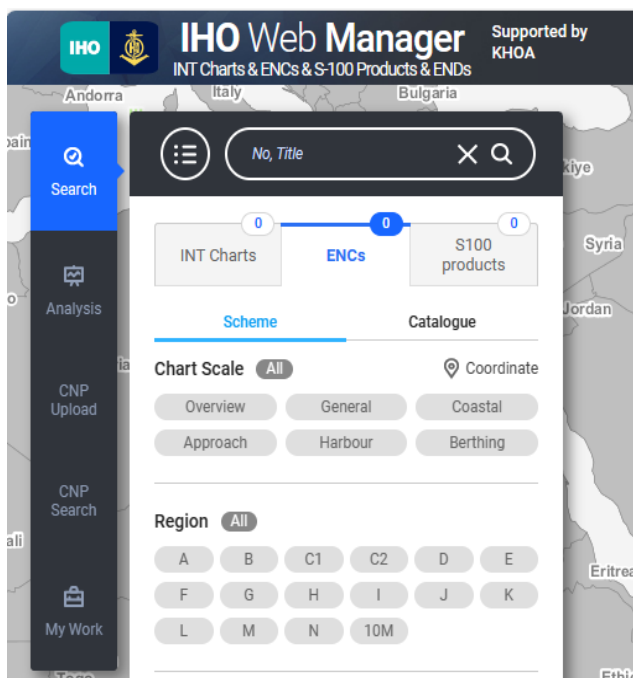
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# DEVELOPMENT PLAN

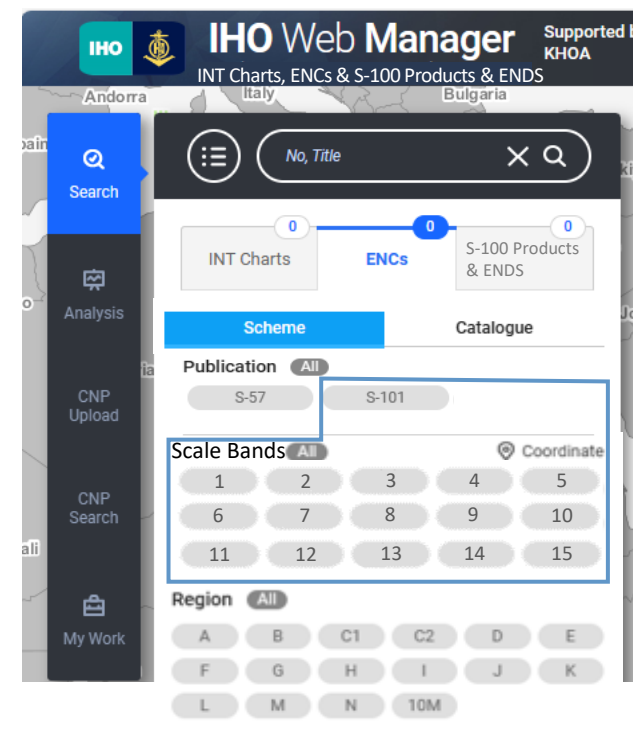
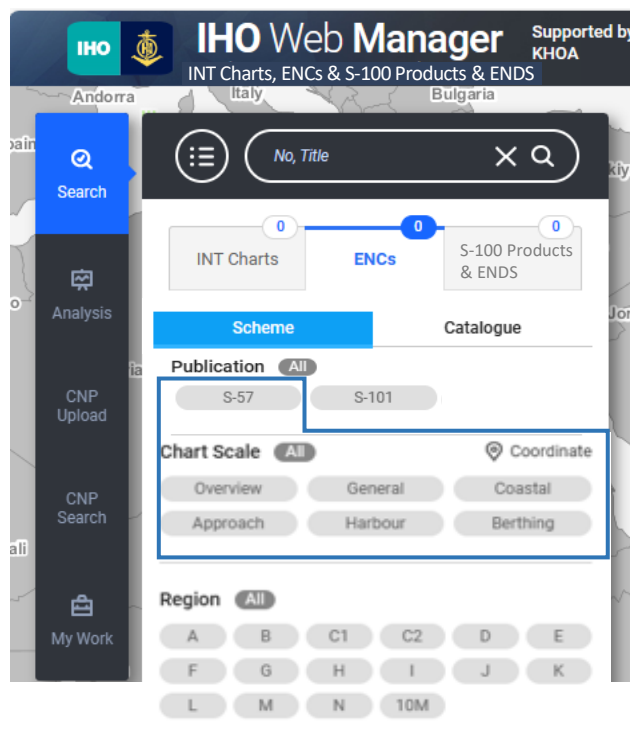
International Hydrographic Organization

- ❖ Add a product condition item to search for S-57, S-101 in ENC's scheme

AS-IS



TO-BE





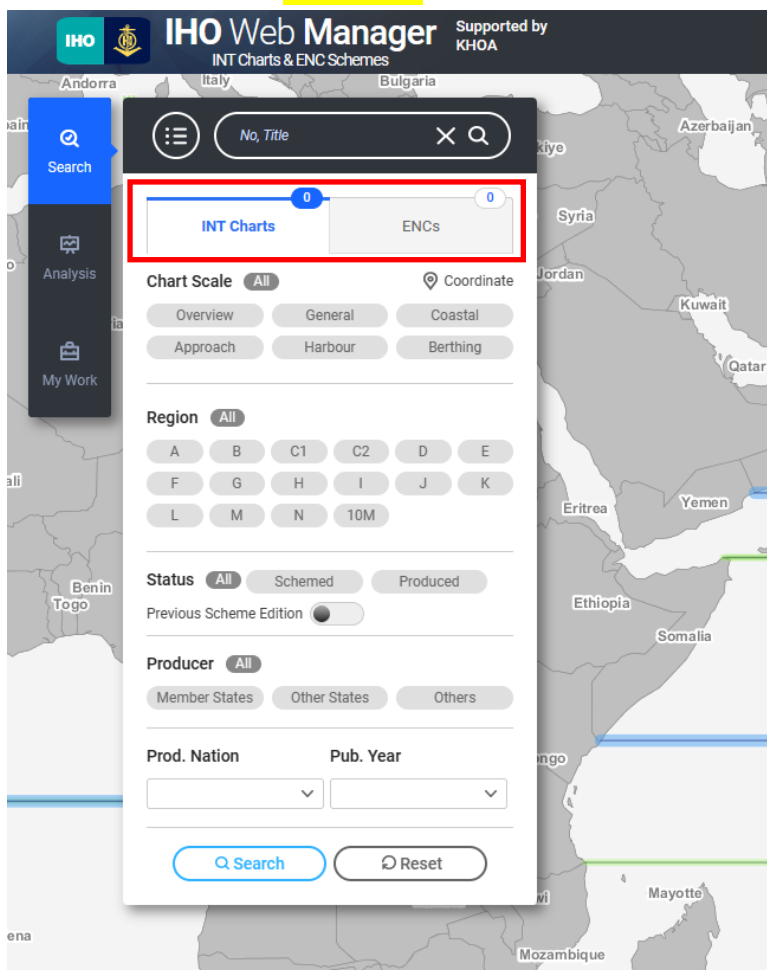
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# DEVELOPMENT PLAN

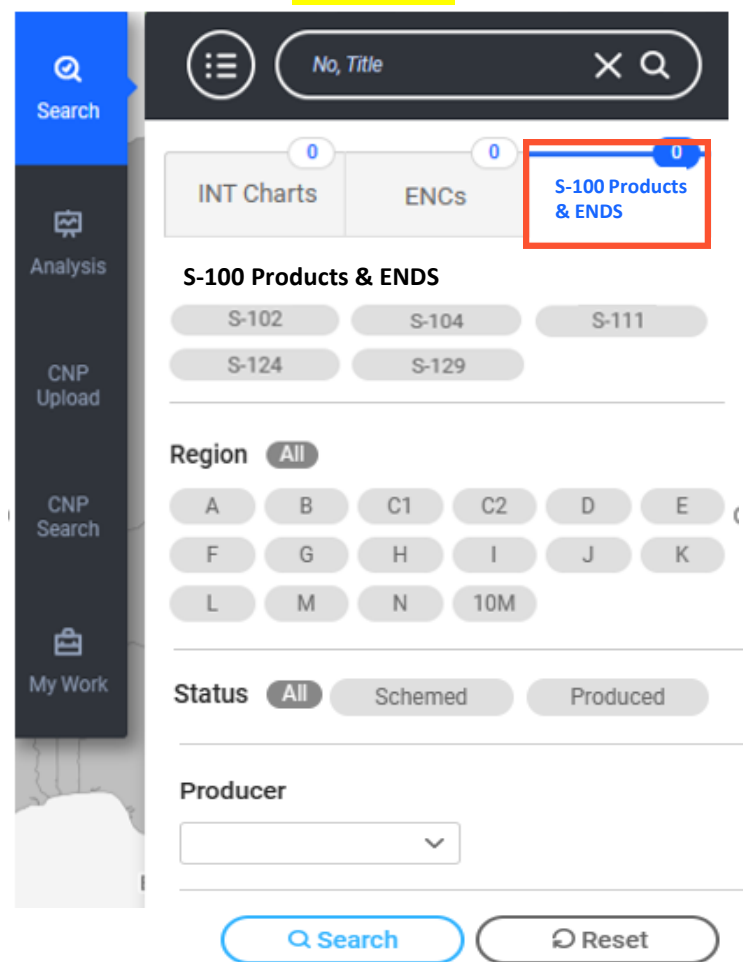
International Hydrographic Organization

## ❖ Add S-100 Products category for S-100 Products & ENDS (Phase I) search

AS-IS



TO-BE





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# DEVELOPMENT PLAN

International Hydrographic Organization

- ❖ **Add S-100 Products & ENDS (Phase I) items in the submit process.**
  - Enter point or polygon coordinates in the Geometry(Geom) attribute.
  - After entering coordinates, preview the corresponding layer on the map.
  - File **upload** and download functions under development.

The screenshot shows the IHO web interface. A dialog box for adding a polygon is open, with a red box around it. The dialog has tabs for 'point' and 'polygon', and a table for entering coordinates. Below the table are buttons for 'add Geom', 'del GeomTb', 'add Hole', 'addTb', 'ok', and 'cancel'. A red arrow points from the dialog to a map preview showing a yellow polygon on a map. The map also shows a 'DB Version' box with information about the chart and ENC scheme. Below the map is a navigation bar with buttons for 'Upload', 'Download', 'Ready', 'New', 'Delete', and 'Cancel'. At the bottom is a table with columns for 'Action', 'Product ID', 'Title', 'INT Region', 'Producer', 'Geom', 'Date', 'Version', 'Status', 'Comment', 'Catalogue Element', and 'Not For Navigation'. The 'S-100 Products' tab is selected, and the 'Geom' column is highlighted with a red box.

Action	Product ID	Title	INT Region	Producer	Geom	Date	Version	Status	Comment	Catalogue Element	Not For Navigation
New	S-104	102KR000	K	KR				Scheme		Nautical Publication	False

- ❖ **Future Plan (later) :** Circle shape or Linestring layer





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❖ Add layer to display approved products on the map in Manager Mode.

The screenshot shows the GEOTWO web application interface. At the top, there is a navigation bar with the user name "Hello GEOTWO", a "Disclaimer" button, a "Manual" button, and a "Logout" button. The main area is a map of the Indian Ocean region, showing various countries and their maritime boundaries. The map is overlaid with several layers, including "Coastal", "Approach", "Harbour", and "Berthing". A "Layers" panel is visible on the right side of the map, containing a list of layers with checkboxes and a "Layers" button. The "S-100 Scheme" and "S-100 Produced" sections are highlighted with a red box. The "S-100 Scheme" section lists layers S-101, S-102, S-104, S-111, S-124, and S-129, each with a 50% opacity and a "T" icon. The "S-100 Produced" section lists the same layers, each with a 50% opacity and a "T" icon.

Layer Name	Opacity	Icon
S-101	50%	T
S-102	50%	T
S-104	50%	T
S-111	50%	T
S-124	50%	T
S-129	50%	T



❖ **Some display symbols on the map** Will be developed later by expressing simple symbols such as *(to be confirmed on 22 May IHO Secretariat/KHOA VTC meeting)*:

- **S-104**



- **S-111**



- **S-124**



NAVAREA    National NW    Local NW  
 ( large↑,            medium↑,            small↑)

- **S-129**

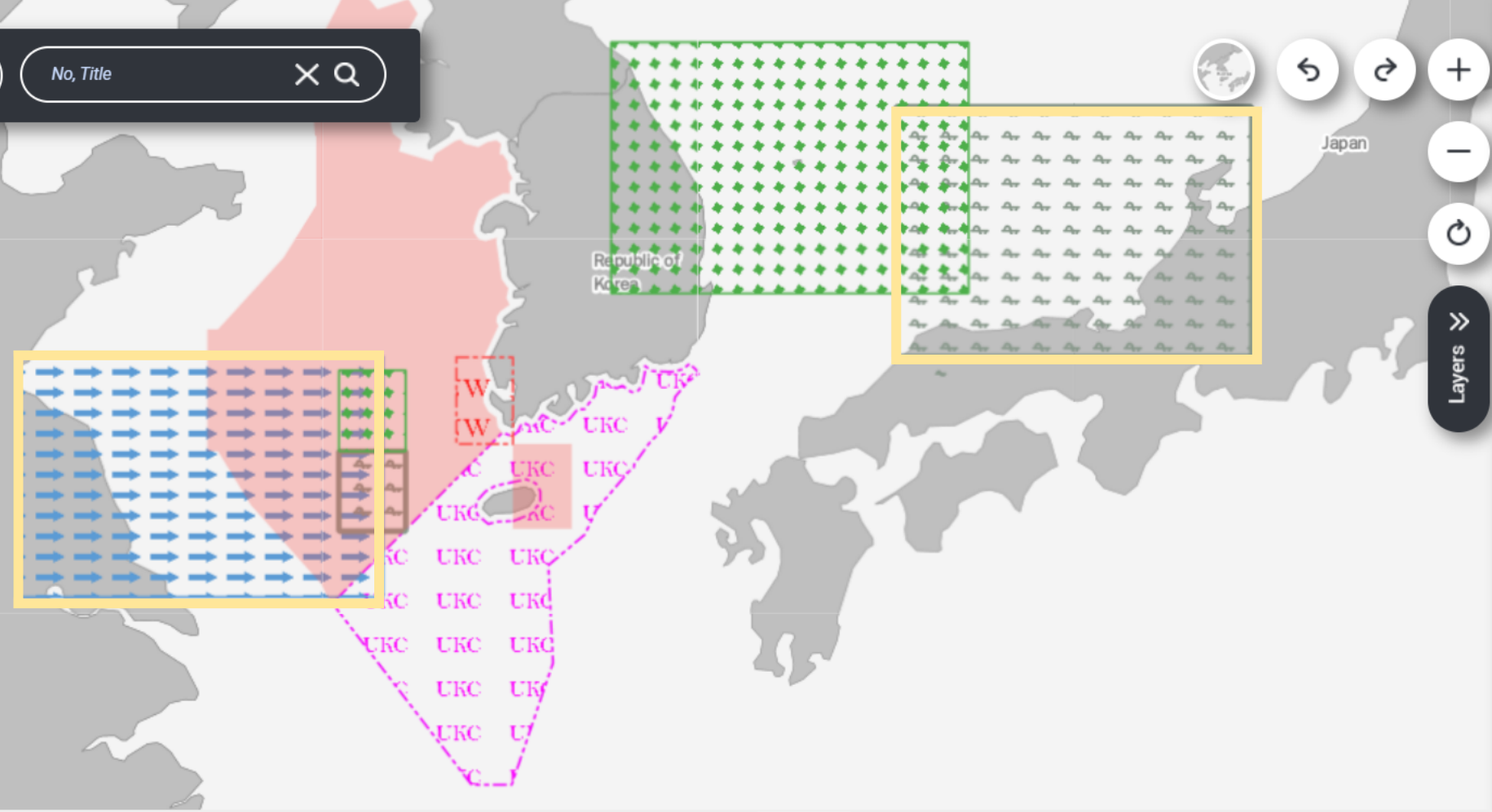


• Data flow INTOGIS I, INTOGIS III remains the same:

MS → Coordinator (after approval by RHC) → IHO Secretariat

Search  
Analysis  
My Work

No, Title



**Layers**

Berthing 50%

**S100 Products - Scheme** (ver Default)

- S-101  [Red Grid]
- S-102  [Green Diamond]
- S-104  [Blue Arrow]
- S-111  [Blue Arrow]
- S-124  [NW UKC]
- S-129  [UKC]

**S100 Products - Produced** (ver Default)

- S-101  [Red Grid]
- S-102  [Green Diamond]
- S-104  [Blue Arrow]
- S-111  [Blue Arrow]
- S-124  [NW UKC]
- S-129  [UKC]

141° 16.28' E / 34° 17.11' N



- ❖ **INToGIS III** : a tool for planning/scheming ENC's, S-100 Products & ENDS (Phase I) from 2025 to 2029, by Member States, through a coordinated process within the RHCs, then for displaying coverage planning and availability (no data) of ENC's and S-100 products & ENDS in RHCs Reports to IRCC/WENDWG and in IHO Secretariat's Annual Reports to IMO NCSR (communication)
- ❖ **From 2026**, a tool to extract automatically SPIs in relation to S-100 Production if retained in the Revised IHO Strategic Plan (IHO Strategic Plan 2027-2023)
- ❖ **From 2026**, development of **INToGIS IV** for including **Phase II S-100 Products and ENDS**
- ❖ **Once S-128 files become available**, manual interface will become obsolete for existing products but may remain useful to some MS for planning /scheming