



## NCWG10

### *Update on the Development of INTToGIS III*

## Agenda Item 13.1A



**IHO**

## **What is INTToGIS III ?**

International  
Hydrographic  
Organization

### **[INTToGIS II (S-11 Part B)] + [S-100 Phase 1 Products & ENDS]**

- ❖ **INTToGIS III** can be defined as the combination of:
  - ❖ a planning/scheming tool for ENC's, S-100 Products & ENDS (**Phase 1**) from 2025 to 2029, using inputs by Member States through a coordinated process within the RHCs,
  - ❖ a displaying tool to visualize ENC's and S-100 products & ENDS **coverage planning and availability** (no data) of in RHCs Reports to IRCC/WENDWG and in **IHO Secretariat's Annual Reports to IMO NCSR** (communication)



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# INTOGIS III DEVELOPMENTS

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Hydrographic  
Organization

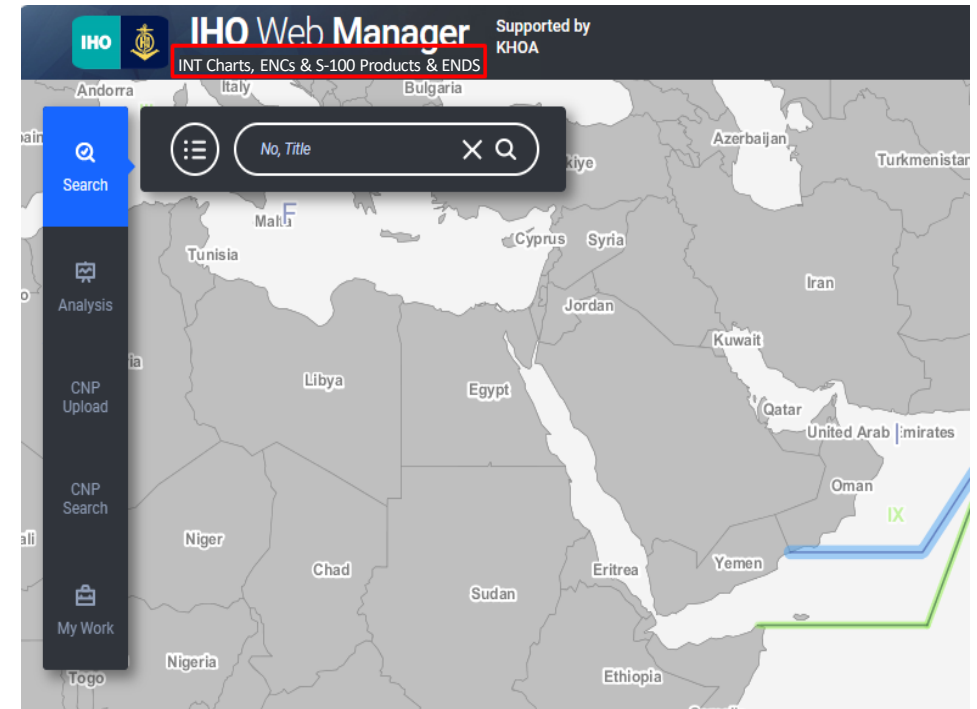
## ❖ Change the main title to read

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

AS-IS (INToGIS II)



TO-BE (INToGIS III)

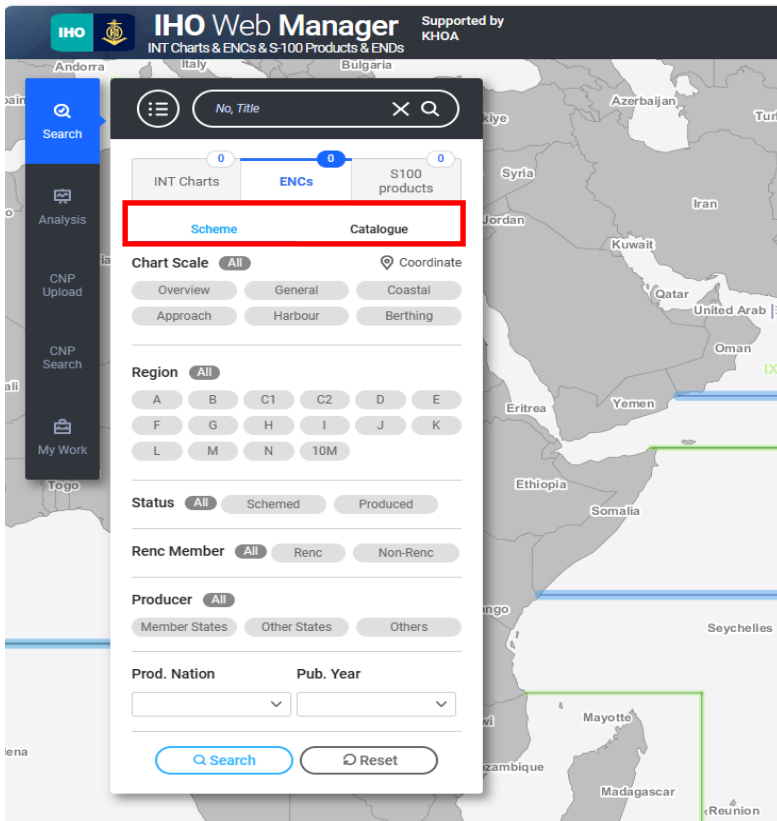




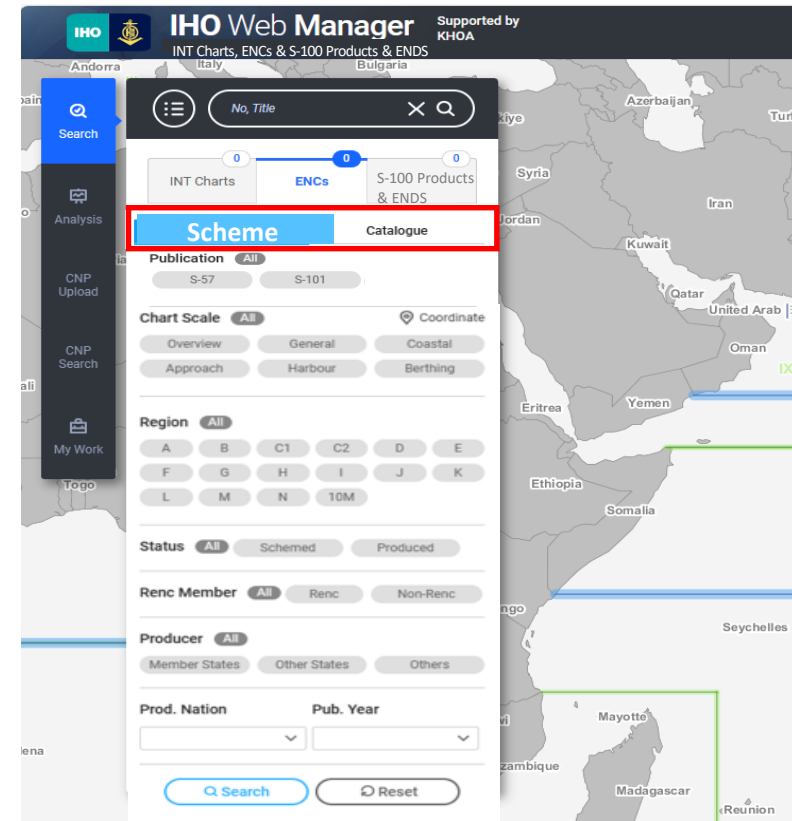
## ❖ Change the ENC's tab interface

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

AS-IS (INToGIS II)



TO-BE (INToGIS III)





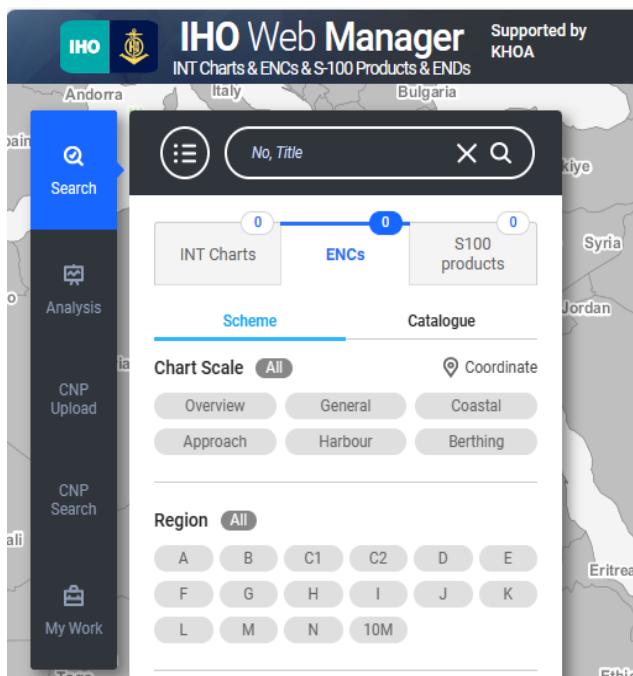
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# DEVELOPMENT PLAN – SEARCH FUNCTION 2/3

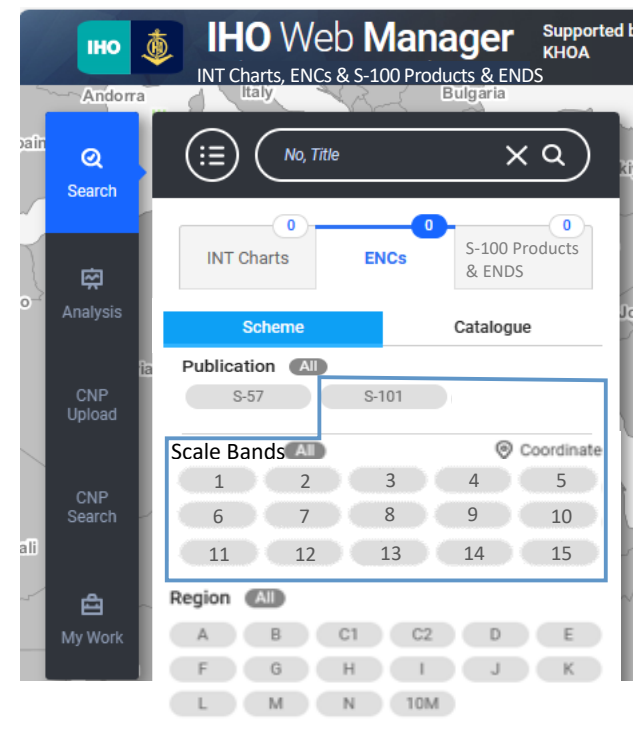
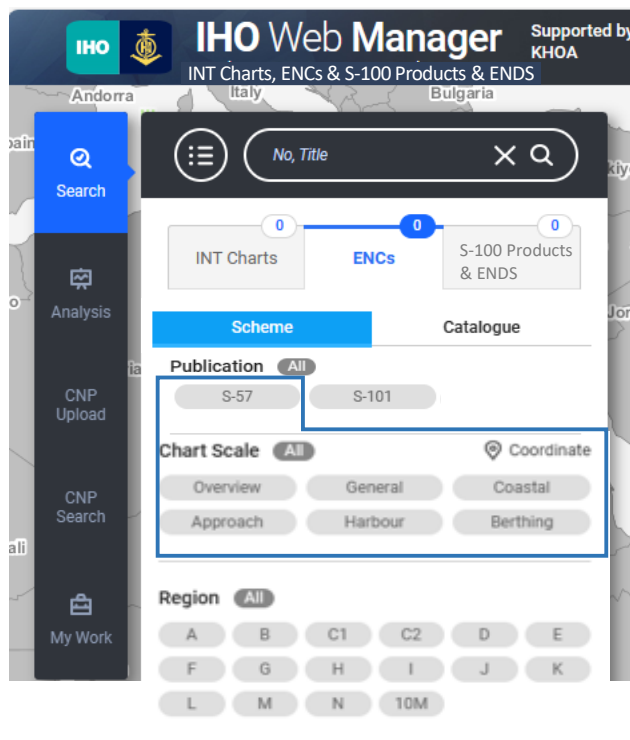
International Hydrographic Organization

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

AS-IS (INToGIS II)



TO-BE (INToGIS III)





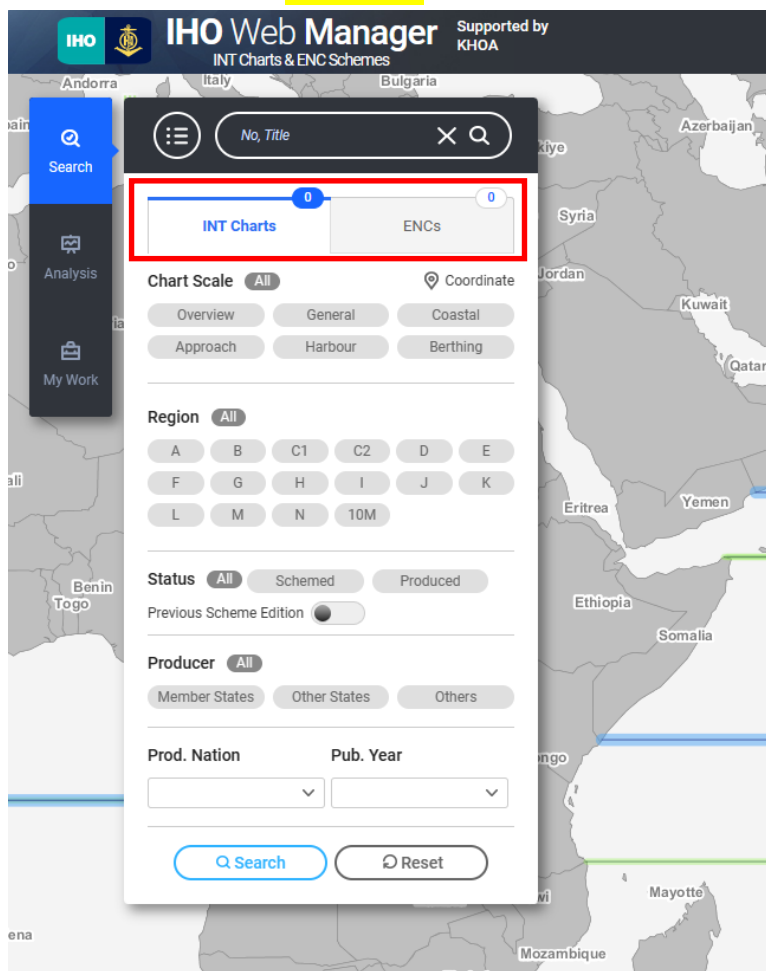
IHO

# DEVELOPMENT PLAN – SEARCH FUNCTION 3/3

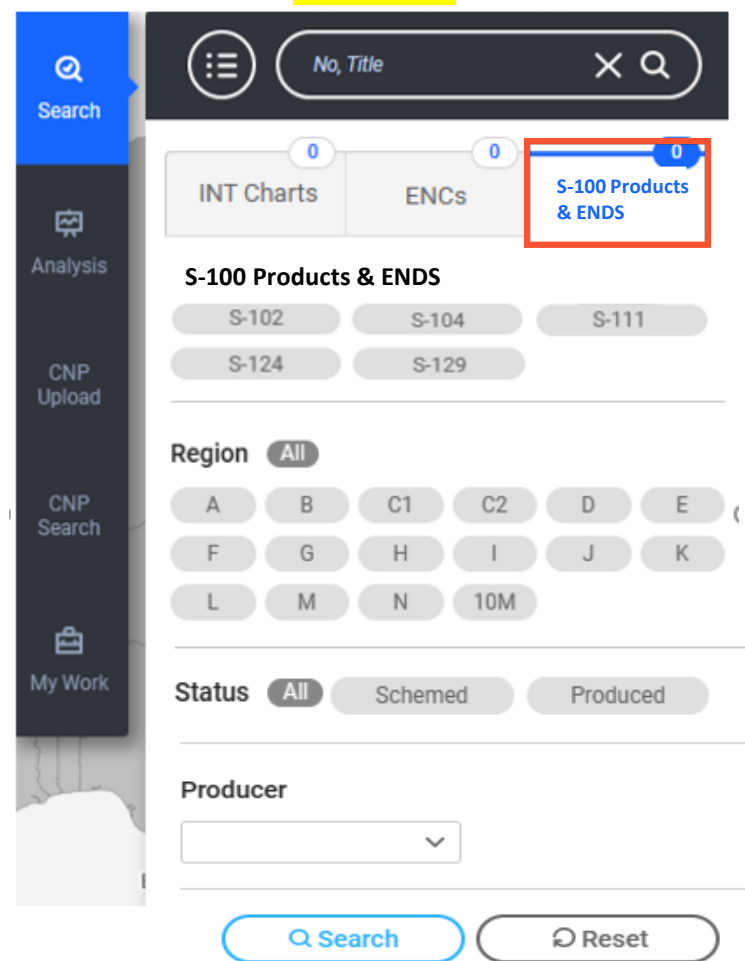
International Hydrographic Organization

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

AS-IS



TO-BE





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# DEVELOPMENT PLAN – SUBMISSION WORKFLOW

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.

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

- ❖ **Data workflow will remain the same** as previously set in INToGIS I, INToGIS II:

Member States → Coordinator (after approval by RHC) → IHO Secretariat



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# DEVELOPMENT PLAN – LAYERS DISPLAY

International Hydrographic Organization

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

Layers

- Coastal 50% T
- Approach 50% T
- Harbour 50% T
- Berthing 50% T

S-100 Scheme Default

- S-101 50% T
- S-102 50% T
- S-104 50% T
- S-111 50% T
- S-124 50% T
- S-129 50% T

S-100 Produced Default

- 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** developed based on simple chart symbols such as (see next slide):

- **S-104**



- **S-111**



- **S-124**



NAVAREA

National NW

Local NW

( large↑,

medium↑,

small↑)

- **S-129**



❖ **Data workflow will remain the same** as previously set in INTToGIS I, INTToGIS II:

Member States → Coordinator (after approval by RHC) → IHO Secretariat



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# DEVELOPMENT PLAN: S-100 SYMBOLS

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## IHO Web Manager

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

Supported by  
KHOA

Hello ADCS

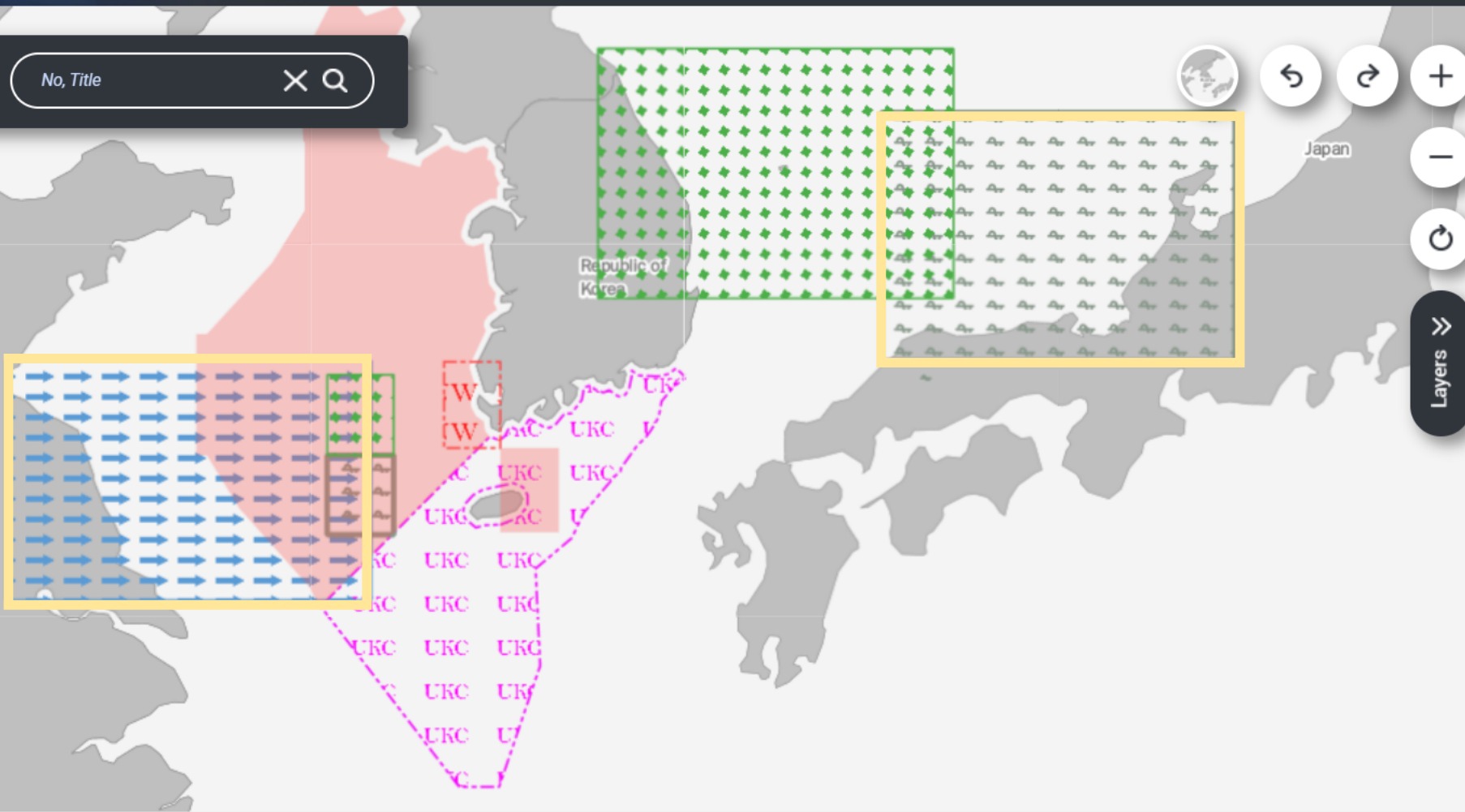
Disclaimer

Manual

Logout

- Search
- Analysis
- My Work

No, Title



**Layers**

Berthing 50%

S100 Products - Scheme (ver Default)

- S-101
- S-102
- S-104
- S-111
- S-124
- S-129

S100 Products - Produced (ver Default)

- S-101
- S-102
- S-104
- S-111
- S-124
- S-129

141° 16.28' E / 34° 17.11' N



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# **INTOGIS III: PLANNING STATUS**

International  
Hydrographic  
Organization

<b>Step</b>	<b>Task Description</b>	<b>Duration</b>	<b>Deadline</b>
<b>INToGIS III v1.0 Bug Fixing</b>	Resolve critical, important, and 'Nice to Do' issues.	6 weeks	Nov 4, 2024
<b>New INTOGIS III Version Package Delivery</b>	INToGIS III new version 1.1 delivered to IHO Secretariat Resolve critical, important, and 'Nice to Do' issues.		Nov 4, 2024
<b>User Acceptance Test Phase (Ongoing)</b>	Final testing of new version 1.1 by Regional ICC Coordinators	4 weeks	Dec 6, 2024
<b>Final Bug fixing and adjustments</b>	Resolve remaining issues and necessary adjustments identified during User Acceptance Test phase.	1 weeks	Dec 13, 2024
<b>New INTOGIS III Version Package Delivery</b>	Package and deliver INTOGIS III Final version.		Dec 13, 2024
<b>Final Acceptance Test Phase</b>	Perform final acceptance testing of the system.	2 weeks	Jan 6, 2025
<b>Data Migration &amp; Release Preparation</b>	INToGIS II Data migration - Final system checks	2 weeks	Jan 17, 2025
<b>INToGIS III Formal Release</b>	<b>Formal commissioning of INTOGIS III by the IHO Secretariat</b>		<b>Jan 17, 2025</b>