INToGIS II Update - S-128 - Towards INToGIS III for S-1XX Products

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CONTENTS

- Overview of INToGIS II
- Discussion on S-128(Catalogue of Nautical Products)
- Up-to-dateness management of S-10X (with S-128 CNP)
- Considerations for INToGIS III

- Purpose of the INToGIS Project
  - Support International Chart and ENC Scheme ofS-11
  - Provide systematic management procedures and functionality
  - Share chart catalogues and scheme with IHO MSs and other parties with common data format such as XLS, SHP and GML(S-128)

- History
  - INToGIS Project I (2014 ~ 2015) : INT chart web-service and management via web system
  - INToGIS Project II (2017 ~ 2018) : adding ENC schemes to the system and overlay information, and improve the GUI
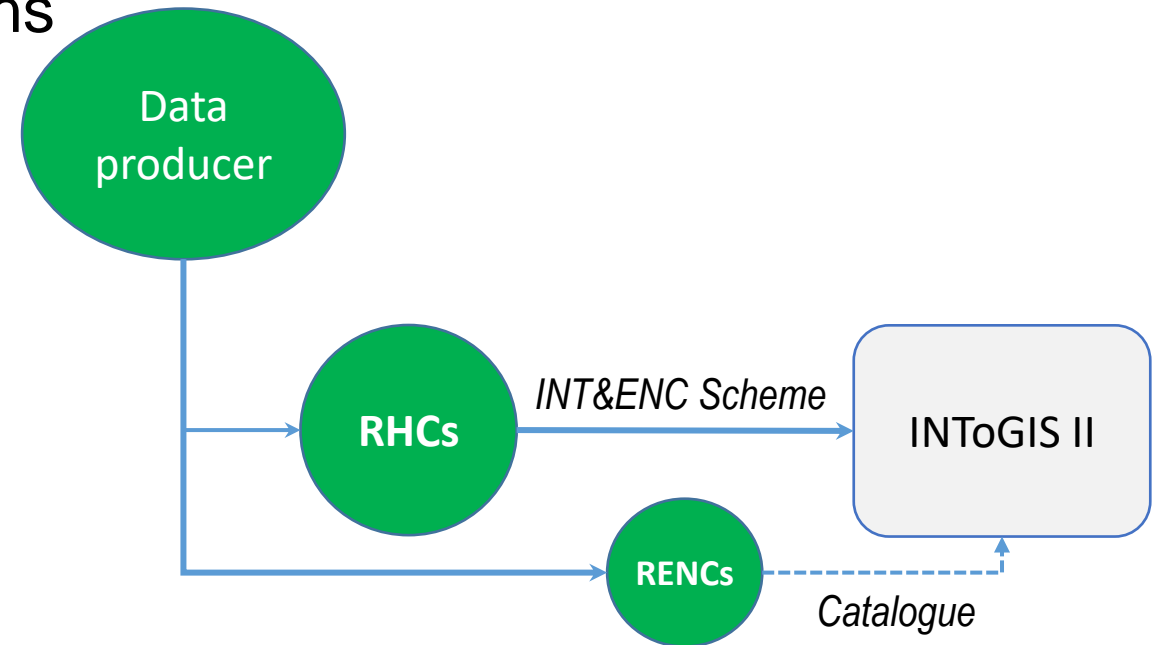 - Commission INToGIS II from 2 January 2020 (CL60/2019)

International
Hydrographic
Organization

- Key features of INToGIS II
  - Base map for Polar regions (Artic &Antarctic)
  - ENC scheme management procedures (S-11 Part 1 Ed.3.1.0)
  - Additional layers for 500 world ports
  - Set up maintaining ENC catalogue with IHO ENC catalogue data
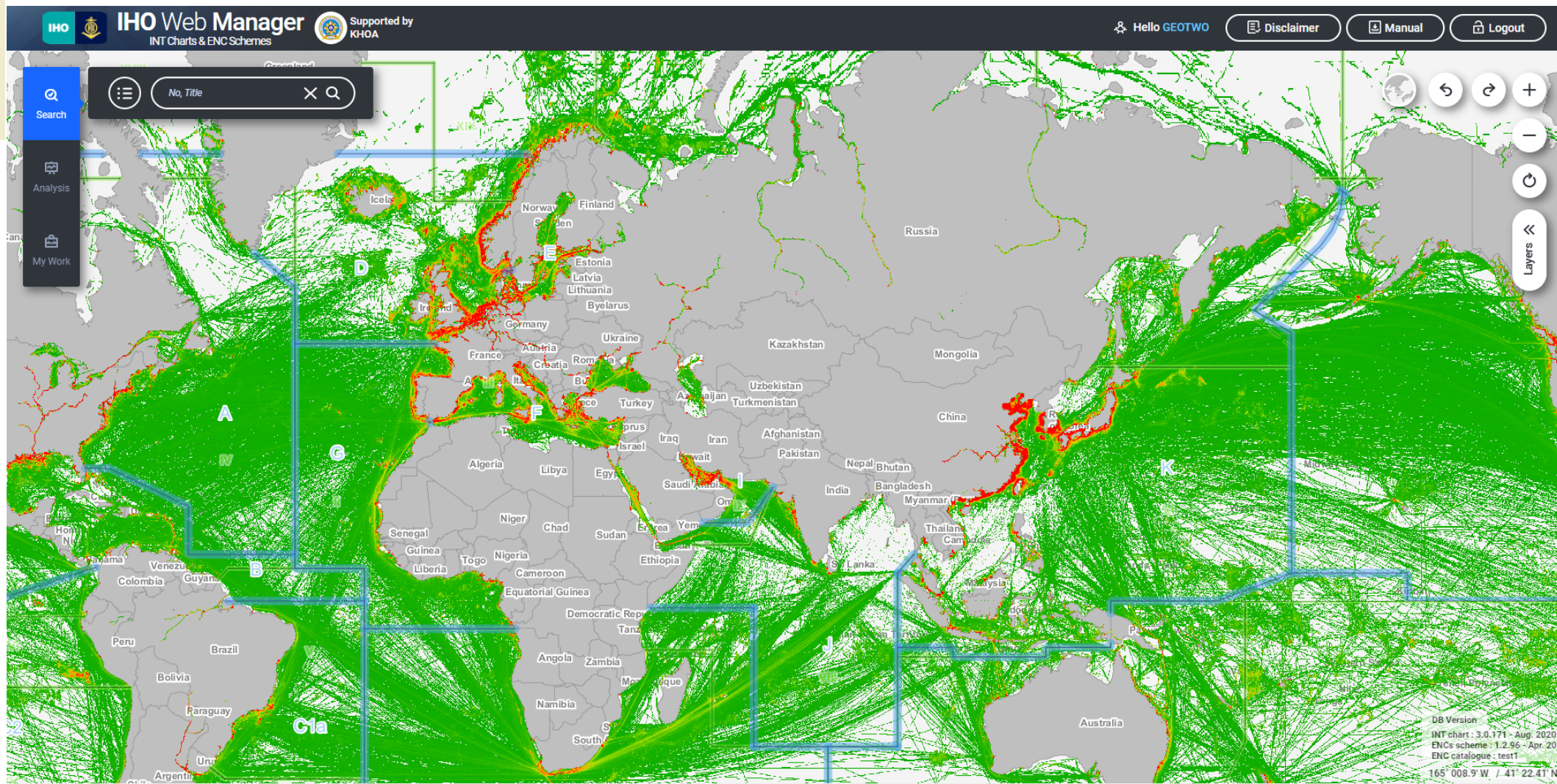 - Improve the chart display functions
  - AIS traffic density

Data producer

RHCs

RENCs

INT&ENC Scheme

INToGIS II

Catalogue

TRAFFIC DENSITY ON INTOGIS II

- S-128 PS developed by the IHO NIPWG
  - Requirement to produce a data product that can be used as a Nautical Publication Information Overlay (NPIO) within navigational system such as ECDIS
  - CNP covers the availability of paper charts, ENCs and other nautical products, applications for navigational purposes, online services and e-Navigation services.
  - CNP includes their issue date, publication status, producing agency, source indication and coverage.

- S-128 v.1.0.0.
  - Current version of S-128 is ready for v.1.0.0 endorsement
    - S-97 PS Readiness Level1 v.1.0.0 required component: Main Document, A Default Encoding, FC, DCEG
    - Supplement main body of Prod spec concerning scope and general guidelines
  - Submit to NIPWG with simple symbology of 128 for endorsement

- S-128 v.2.0.0.
  - Study Use case (e.g. PSC, INToGIS..) and upgrade S-128 model(higher level architecture)
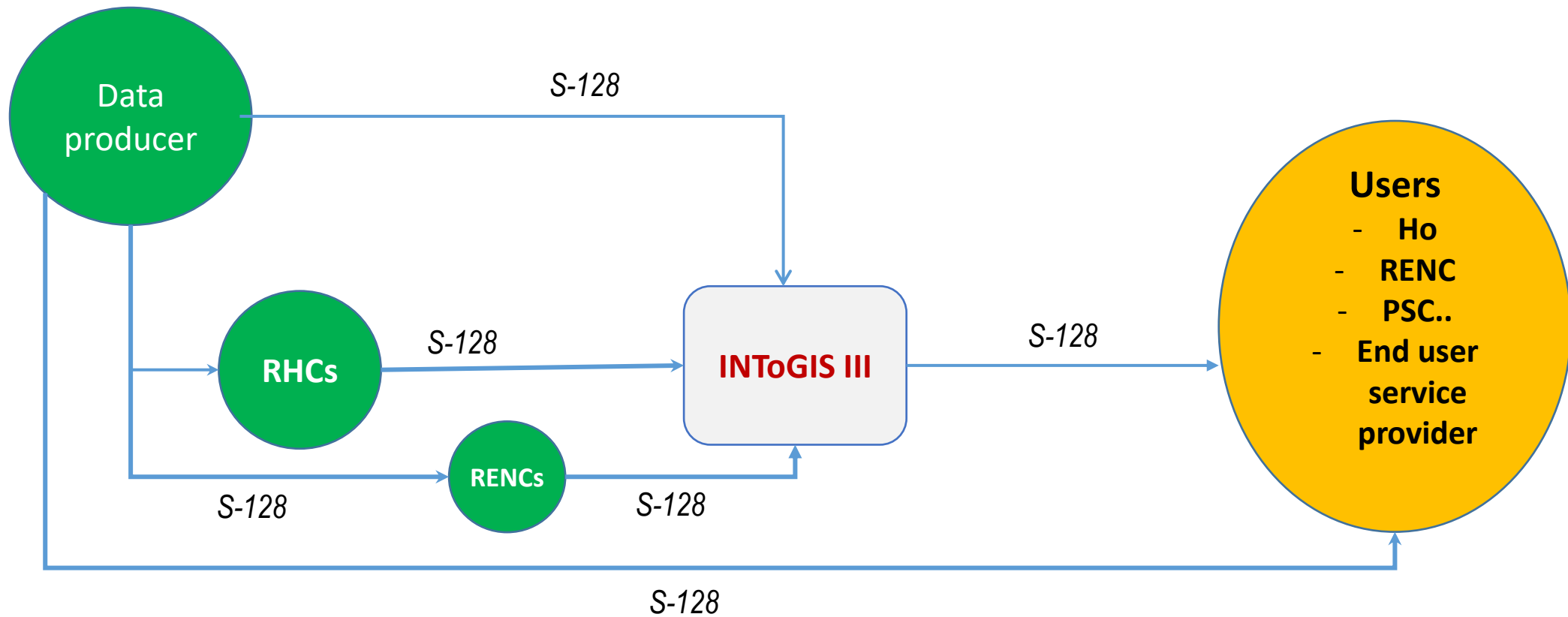 - S-128 2.0.0. will be align with S-100 5.0.0

- S-1xx Product Catalog/Scheme by INToGIS III

International
Hydrographic
Organization

- Toward to INToGIS III
  - INToGIS II for the catalogue of INT chart and ENC scheme
  - INToGIS III for the catalogues/scheme of the S-1xx products incl. INT, ENC
- What products will be managed
  - **S-100 implementation roadmap**
  - Range of application of **WEND-100 principle**
- Managing procedure
  - INT and ENC : HO→RHC/RENC→IHO Sec.→INToGIS
  - Further Discussion needed on managing S-1xx products?

- THANK YOU