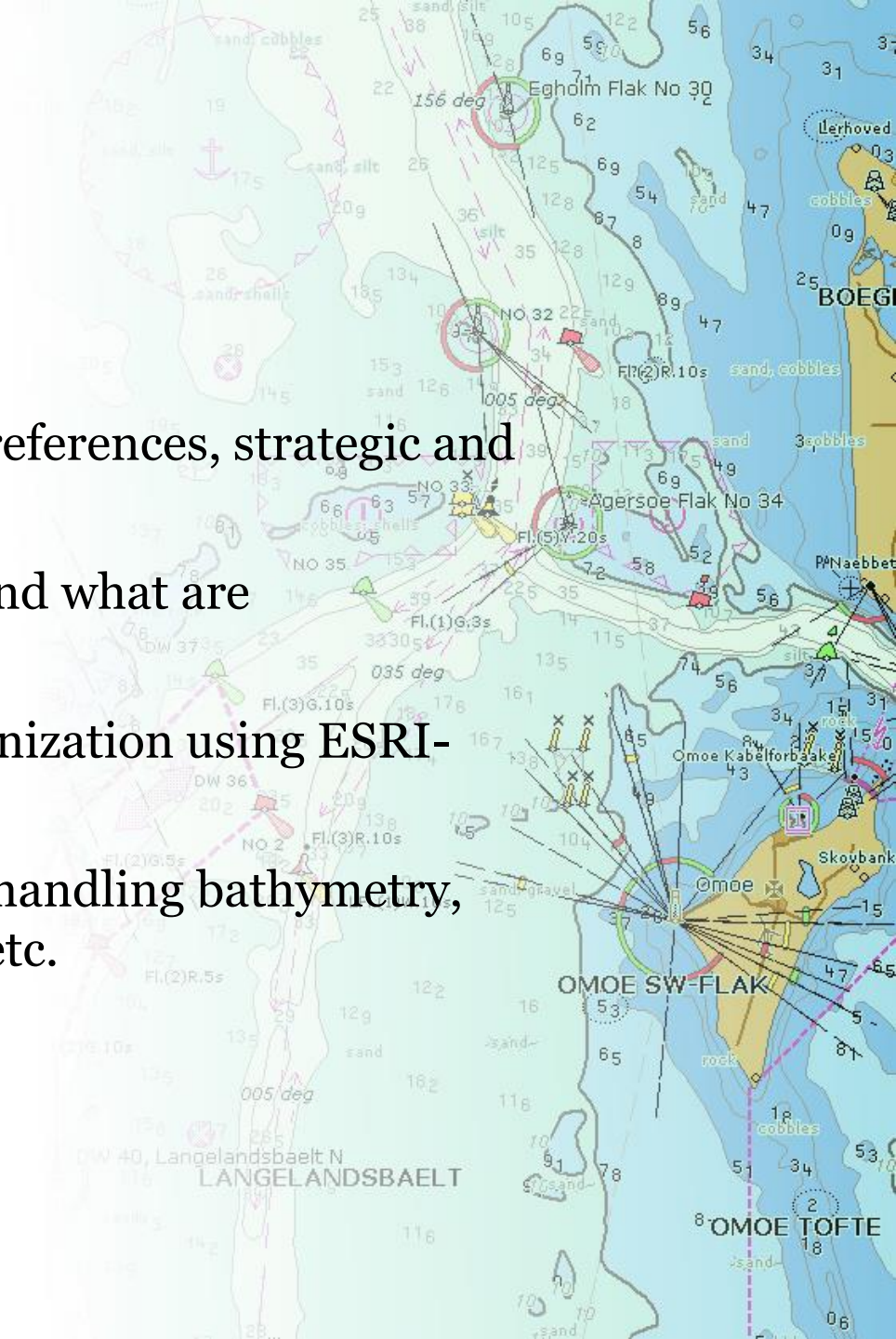
Miljøministeriet
Geodatastyrelsen

New production system

NHC-57, Sweden



•Why choosing Nautical Solution – preferences, strategic and organizational reasons

• Where are we in the process today and what are the experiences so far.

• Where do we want to move our organization using ESRI-tools.

• Focus on specific technical issues – handling bathymetry, data importing, cartographic editing etc.

GST - Premises

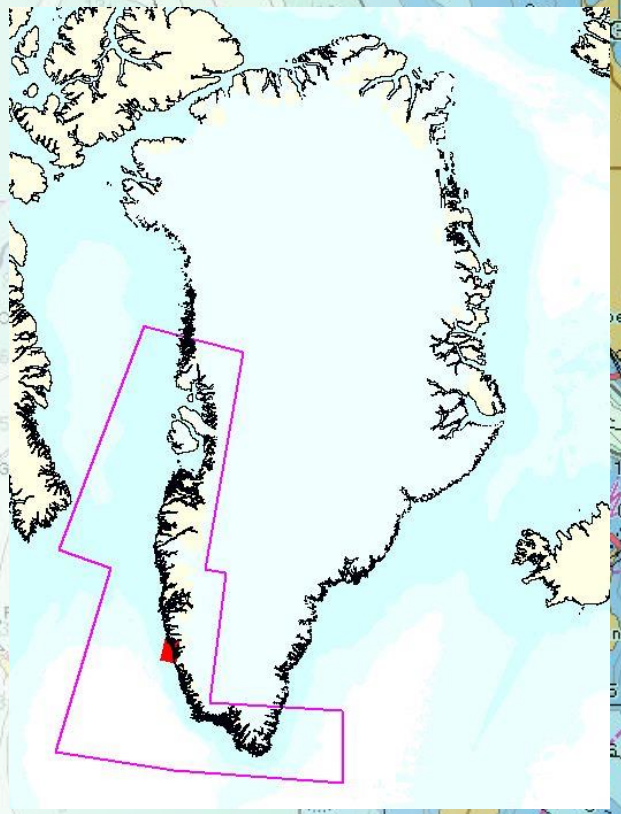
Premises for choosing nautical production system:

Political agreement Oct. 2009 with Greenlandic Authority – 65 new charts by 2018

Fase 1 – 2010: Choise of production system

Fase 2 – 2011: System implementation

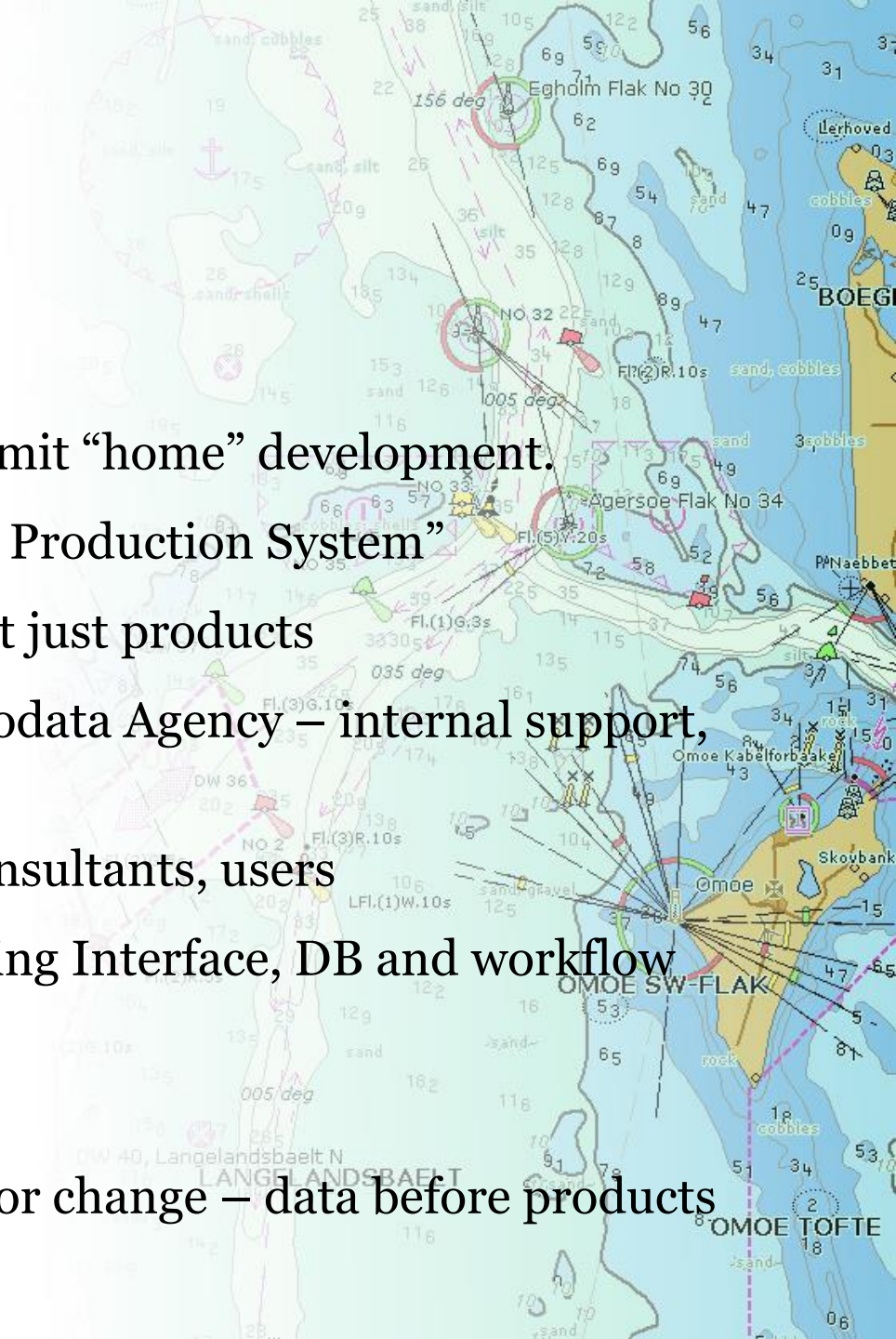
Fase 3 – 2012-18: Production

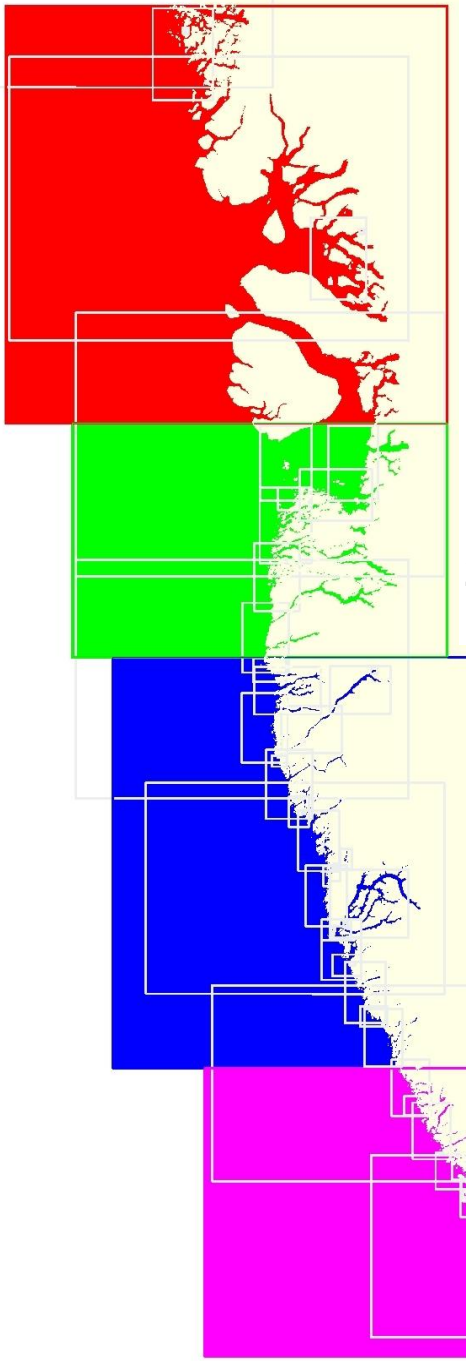


GST - Premises

GST IT strategy:

- Focus on commercial systems and limit “home” development.
- Foundation for the “Future Nautical Production System”
- Focus on DataBase structure and not just products
- Existing platforms in the Danish Geodata Agency – internal support, knowledge transfer, mobility
- External support – development, consultants, users
- Openness in Application Programming Interface, DB and workflow controlling
- System readiness and functionality
- Organizational readiness and need for change – data before products





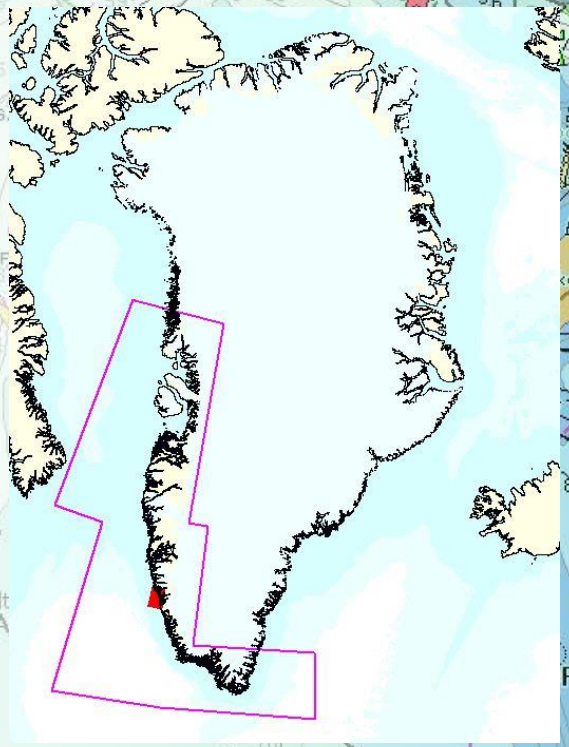
2018

2017 - 2018

… - 2014

2014 - 2017

Production year	No. of charts
2013	2 + 4
2014	6
2015	9
2016	10
2017	12
2018	14

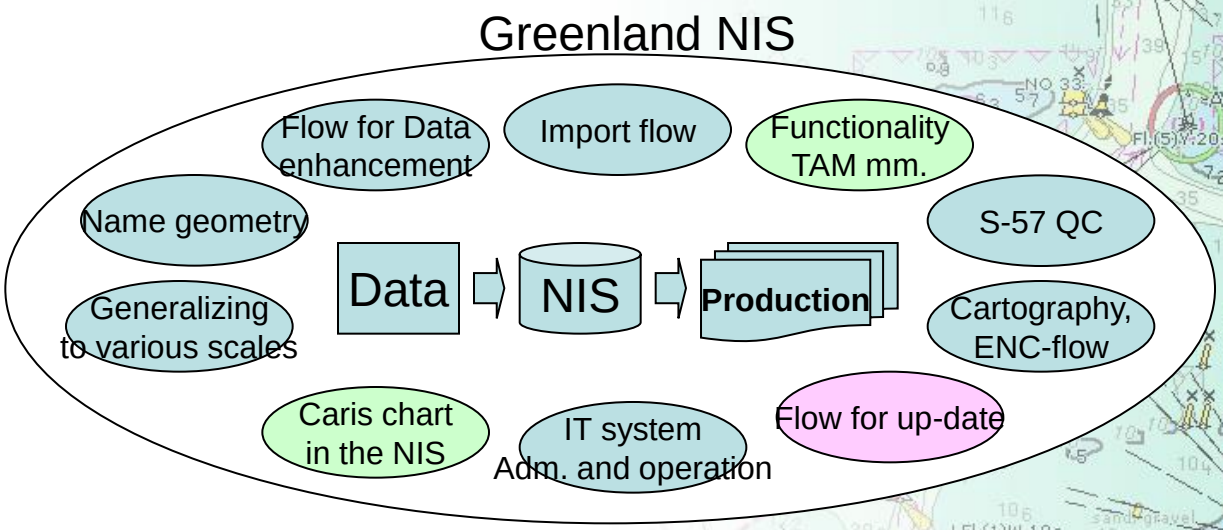


NIS – the future tasks and relations

2013

2014 - …..

Critical!
Not planned



NIS – the future tasks and relations

Future Nautical System – NIS

2013

2014 - …..

Critical! Not planned

DMA vs GST Dividing tasks

Danish NIS

WMX for charts corrections

FOT-data to DK-NIS

Wrecks and marks

Reporting from DCA etc

Charts corrections directly in the NIS

AML

WMX for NIS-procedures

WMX for Prod. steering

Greenland NIS

Applications in DMA, DCA etc

Flow for Data enhancement

Import flow

Functionality TAM mm.

MSDI and arctic

New data & New technology

Name geometry

Data → NIS → Production

S-57 QC

INSPIRE

Crowd Sourcing GR and North Sea

Generalizing to various scales

Cartography, ENC-flow

Data to other products

Caris chart in the NIS

IT system Adm. and operation

Flow for up-date

Defense and Aeronautical

The rest of Greenland

”Caris” charts updating

ENC to Distribution System (LDS)

Chart of N. Region Coordinate system

Flow for depth information

Distribution of data and prod.

Collection of rest of GR-data

ASIAQ and NunaGIS

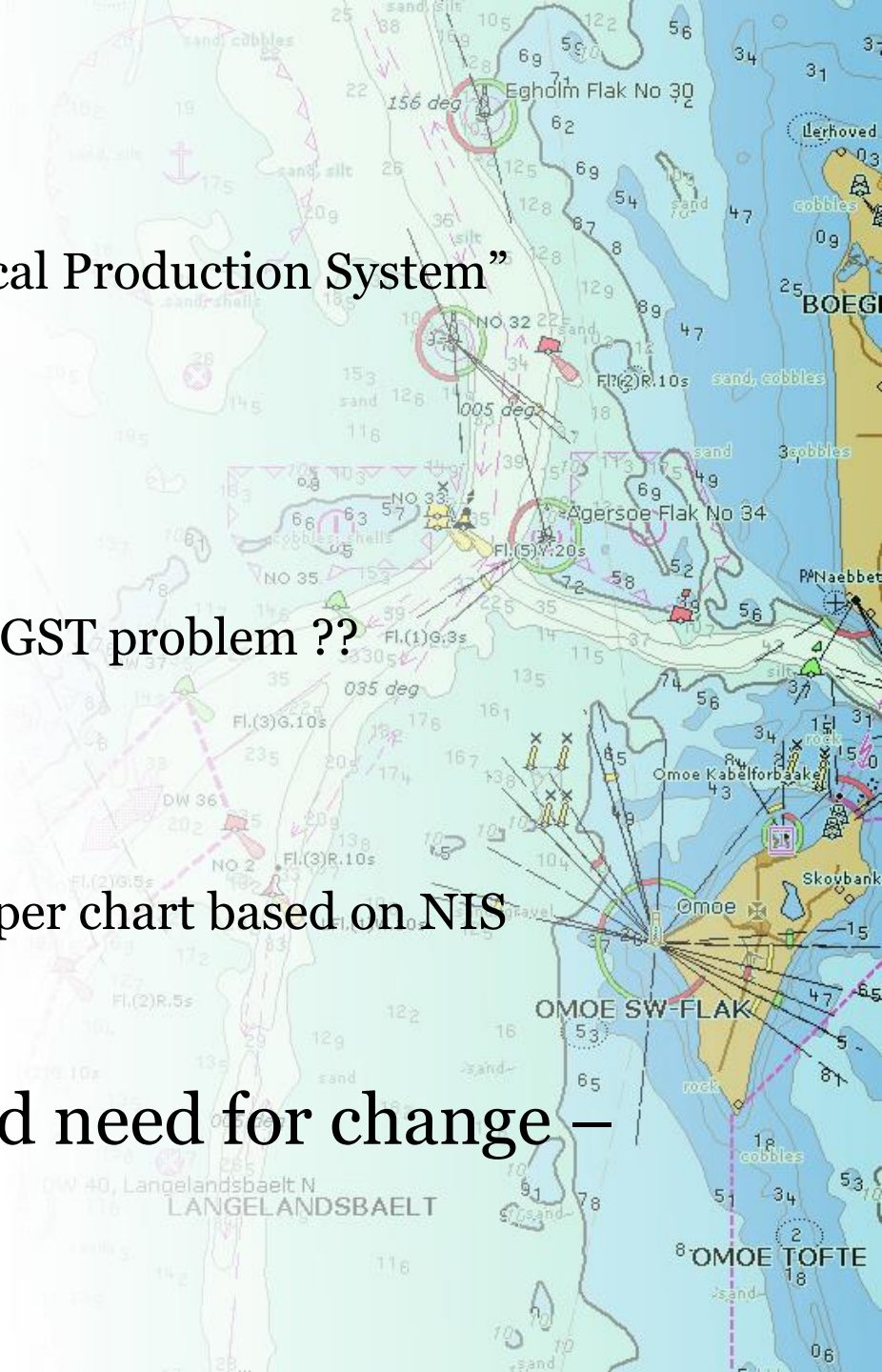
KMS dataflow PTGI mm

Faroe Isl. NIS

GEUS data

GST - Status

- Still foundation for the “Future Nautical Production System”
- Complex system
- Extra resources in development
- Hard to start with raw data
- Challenges in performance – ESRI or GST problem ??
- Only user using central database
- Very good connection to ESRI
- But still - First nation to produce a paper chart based on NIS



Organizational readiness and need for change – data before products