

Long term storage (HP-IMS)

IMS UCM 16.4 – 2

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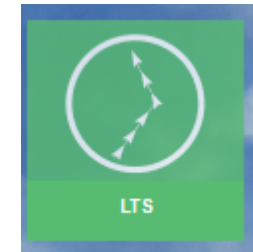
Lisbon, 22.05.2021

Scope: to move to production the 1st EMSA cloud based solution that can in brief:

- Implement Long Term Storage (LTS: 5 years of positions);
- Make possible queries for such an amount of data (dynamic sampling new logic for queries like ship tacks)
- Process in real time 5000 positions/sec (AIS, LRIT, VMS);

Initial Production Phase

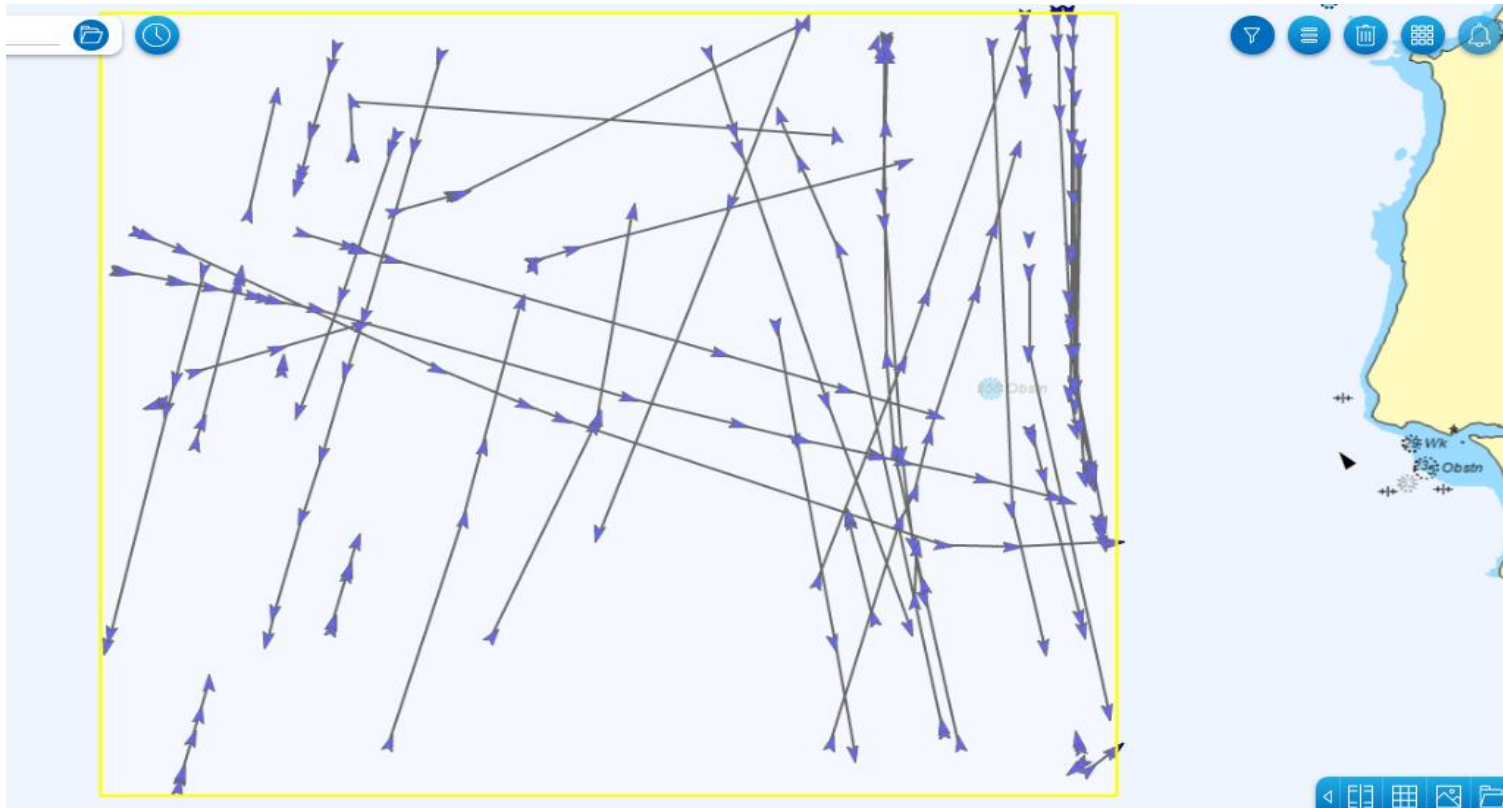
- Use of an application on EMSA Portal (clone of SEG) named “ HP SEG”
- Open to selected users from MSs, EFCA and MAOC-N



Production phase (date TBC, under discussion), main ideas:

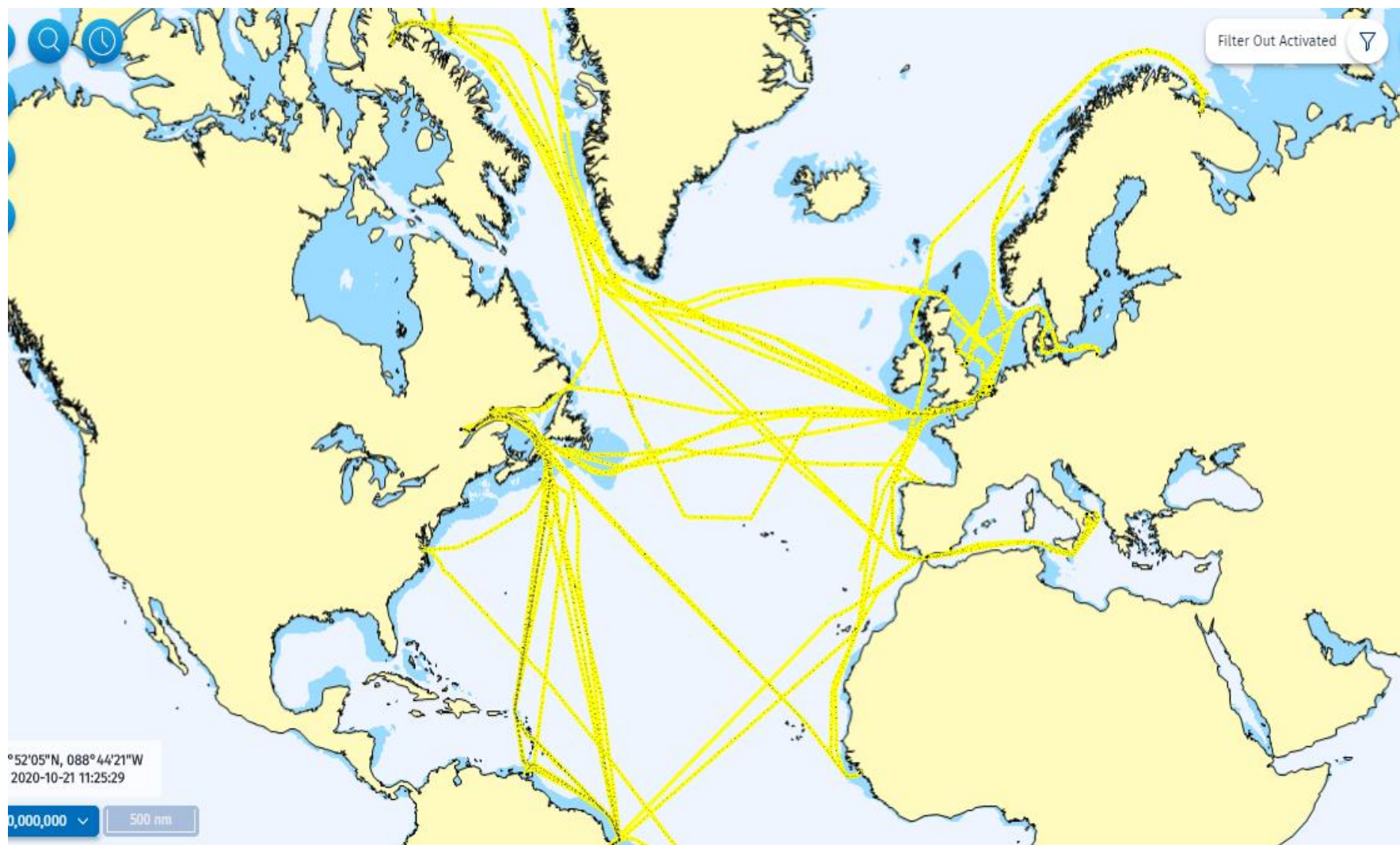
- SEG to use:
 - STAR TRACKING (current IMS backend) for recent Track queries
 - LTS for queries further in the past or for a long period.
- for ACQ (under discussion, values need to be reviewed, tested and validated), the idea is to use:
 - STAR TRACKING for 0-24h and up to e.g. 15000nm2
 - LTS for 24h <query> X days and 15000nm2 <area> YY000 nm2

- **LTS access Policy (data extraction) is under analysis**
 - Procedure to request data will be the same as today
 - On-going detailed analysis of the cost (each extraction in the cloud as an associated cost)



**ACQ, 24 h
from 15 to
16 Dec
2019 SAIS
only**

3 years track with LTS (general cargo)





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