



# Overview of IMS MS Service

## IMS Group UCM#14

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# Overall IMS users

## THEMATIC IMS SERVICES

**1170** TOTAL NUMBER OF USERS  
DISTRIBUTED AMONG

### FISHERIES MONITORING (893)

- EFCA	80
- DG MARE	54
- MEMBER STATES	759

### BORDER CONTROL (201)

- FRONTEX	54
- MEMBER STATES	147

### LAW ENFORCEMENT (49)

- EUROPOL	22
- MAOC-N	27

### ANTI-PIRACY (27)

- EU NAVFOR	27
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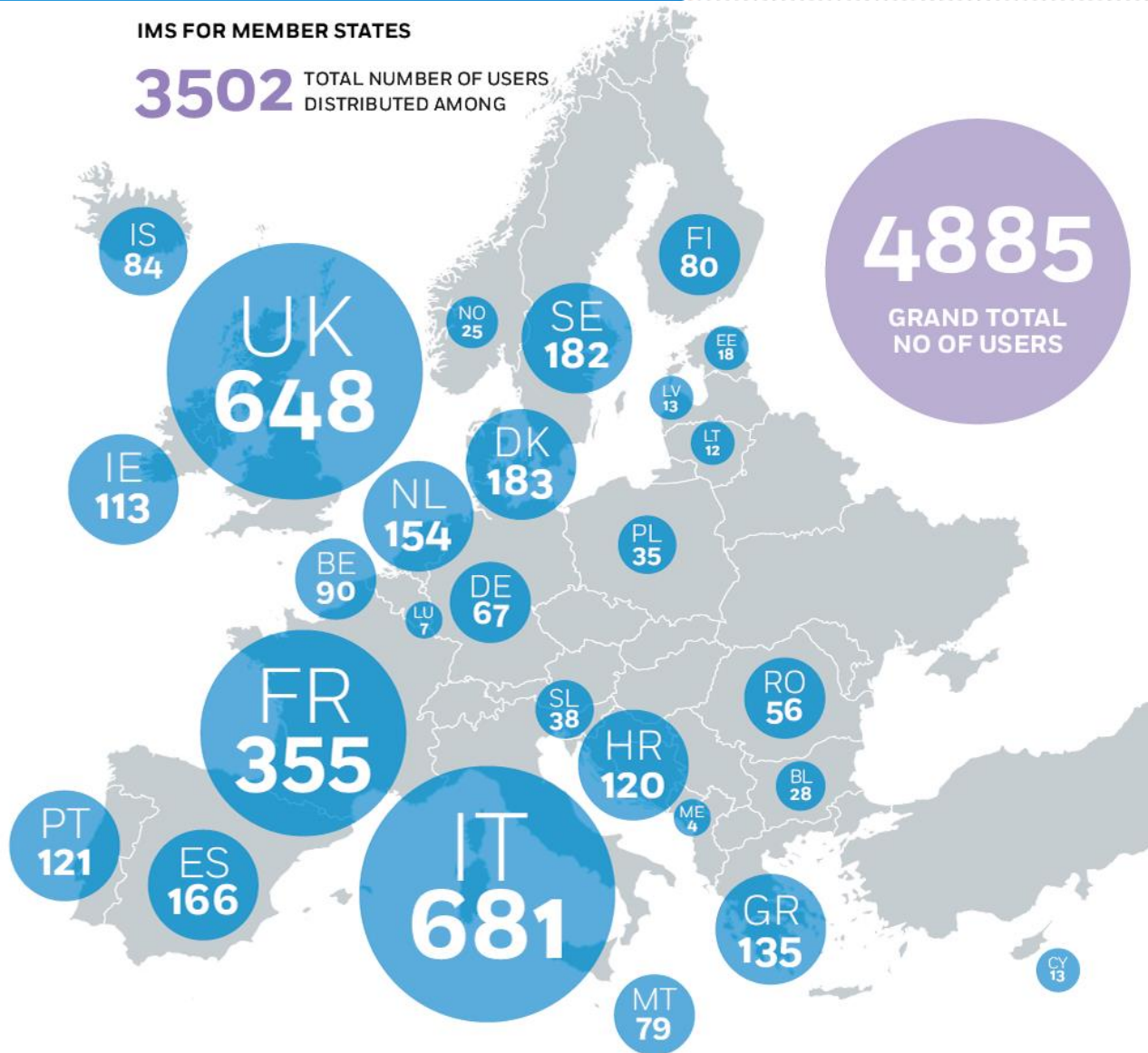
## OTHERS

**213**

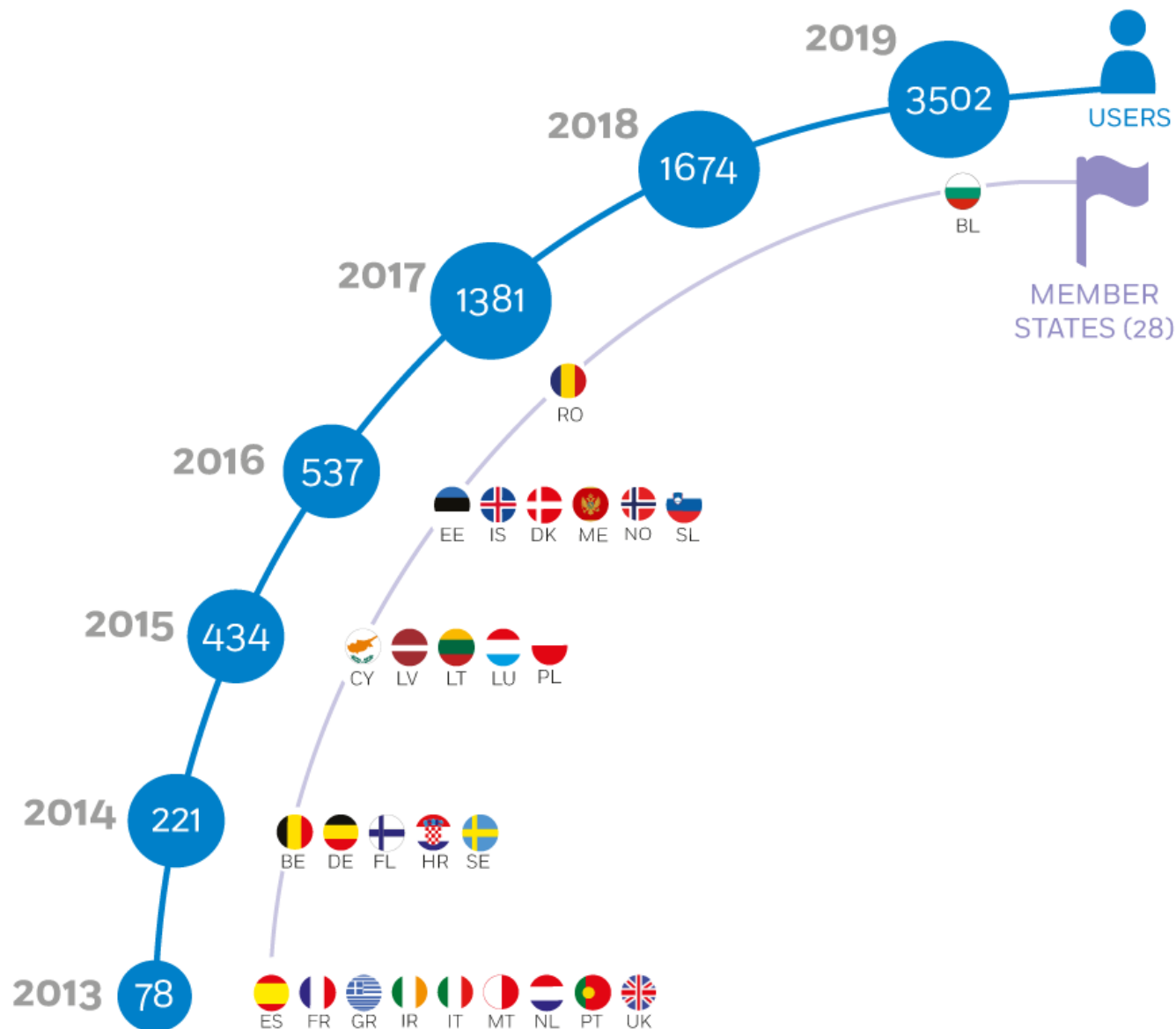
- EMSA	156
- OLAF	37
- EEAS	9
- DG MOVE	7
- EEA	3
- DG HOME	1

## IMS FOR MEMBER STATES

**3502** TOTAL NUMBER OF USERS  
DISTRIBUTED AMONG

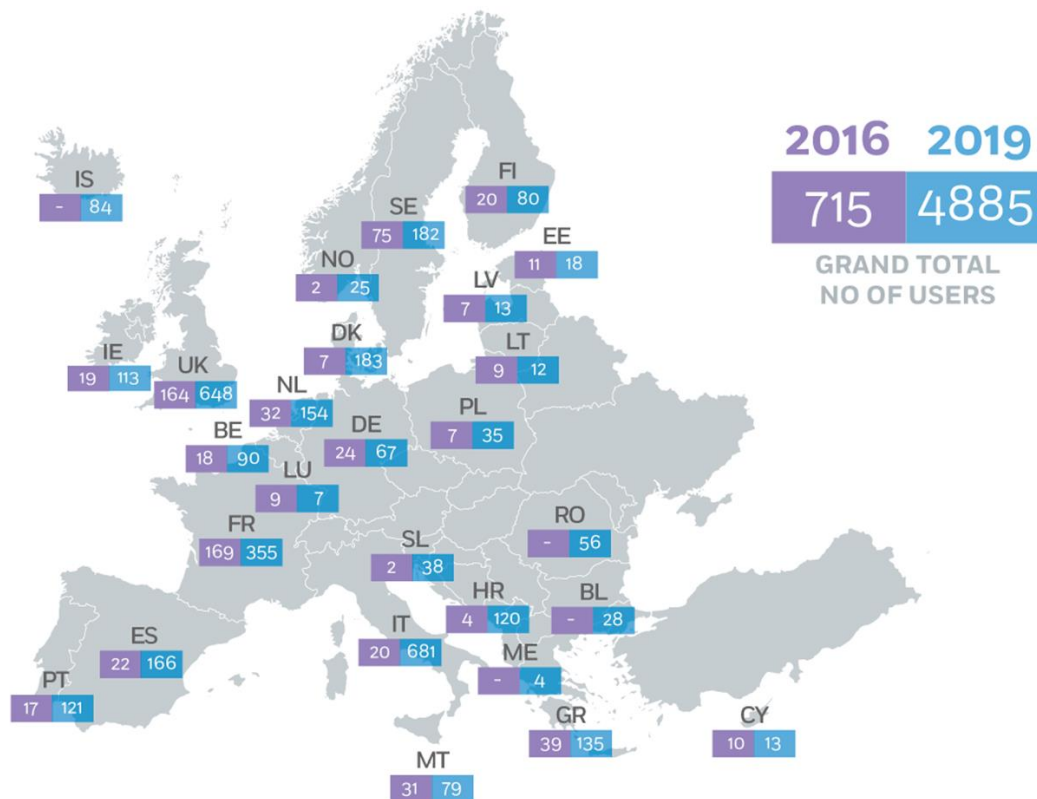


# Evolution of IMS users and MS



# Percentage of overall active usage of IMS tools & functionalities

- ~70% of IMS service users are IMS (& SSN) Member States authorities
- ~ 80% of all requests to IMS service are from IMS Member States authorities
- ~ 170 unique and active users per day
- Most active IMS MS:
  - France, Germany, Spain, Denmark, Croatia, Portugal and Italy



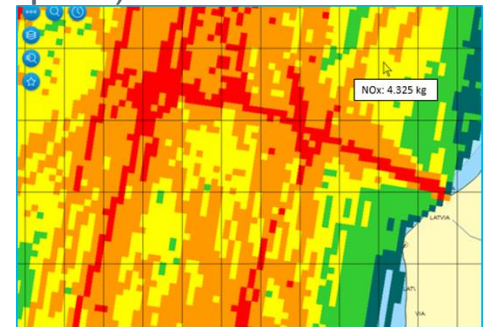
- EMSA is finalizing a procurement of satellite services to enhance the performance of SAT-AIS detection:
  - Timeliness: less than 6 minutes (possibility to track vessels globally in near real-time);
  - Daily acquisition of AIS reports: expected to be doubled in respect of messages acquired presently by EU VTMISS network and satellite providers;
  - Congested areas: expected to be better covered due to an increased number of satellites and enhanced signal processing technology;
  - The new data feed is planned to be integrated for all IMS users in January 2020.

	Current Sat-AIS Performance	Specification of the new Sat-AIS service
Target timeliness	Max. 30 min. (for 85% of detected msg.)	<b>Max. 6 min.</b> (for 98% of detected msg.)
Geographical Coverage	Worldwide	Worldwide

# Developments...(1/2)

## • Air emissions

- Discussions ongoing with DE, EMSA-RPAS and EMSA-THETIS.
- Proposal for an Emission Density Mapping Service. IMS T-AIS & S-AIS and THETIS data
- Specific display / alerting of vessels exceeding a defined SO<sub>2</sub> (sulphur) emission threshold?
- Do we need an IMS service?



## • Approximate Distance Calculator

- Users to calculate the approximate distance travelled by a vessel within (and outside) a determined SECA area.
- Planned for April 2020.

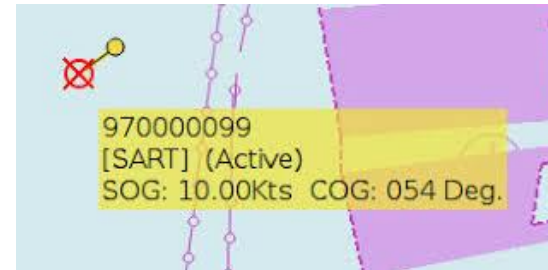
## • Vessel data quality

- Upgrade of Central Ship Database (CSD) – new tool in development (2020/2021?)
- Update of vessels in operational vessel registry with correct Flag (95% of records have correct flag)
- Next step is consolidation of MMSI, IMO and Vessel Name in operational vessel registry.



# Developments...(2/2)

- Aids to Navigation (AtoNs), SAR Aircraft, SART
  - Display of new AIS position messages
  - Work pending...



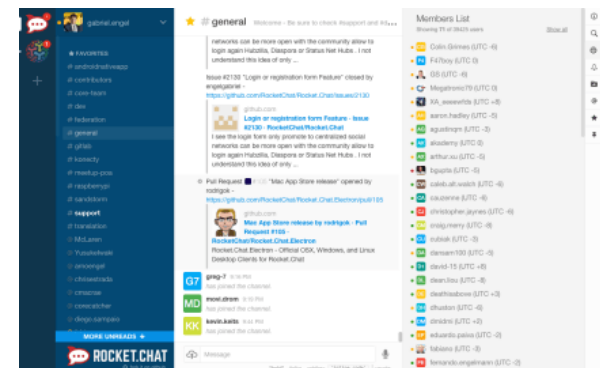
- Drift Modelling [Correspondence] Expert Group:



- ToR approved at UCM#13.
- Work pending...

- Collaborative Chat Tool

- Work pending...SEG 2.0/2.1?



# Actions IMS Group UCM#13



Action Point	Topic and Action	Resp.	Status
<b>UCM-13/01</b>	EMSA, Germany and other interested Member States to resume discussion on implementation of the Sulphur Emissions Information Tool.	EMSA, DE and other MS	Ongoing
<b>UCM-13/02</b>	EMSA to liaise with Greece and France on decommissioning of old WUP interface.	EMSA, GR, FR	Done
<b>UCM-13/03</b>	Member States to inform EMSA on their interest to join the IMS Correspondence Expert Group on Drift Modelling.	MS	Done
<b>UCM-13/04</b>	EMSA to initiate work of the IMS Correspondence Expert Group on Drift Modelling.	EMSA	Pending
<b>UCM-13/05</b>	EMSA to address vessel registry (CSD and OVR) data quality.	EMSA	Ongoing
<b>UCM-13/06</b>	EMSA to reflect feedback of the Member States in the development of the Data Analytic tools.	EMSA	Done
<b>UCM-13/07</b>	EMSA to reflect feedback of the Member States in the SEG developments beyond version 2.0	EMSA	Done
<b>UCM-13/08</b>	EMSA to inform IMS Group Member State representatives on development of the SAR training course.	EMSA	Ongoing











# Actions from previous IMS Group UCM's

Action Point	Topic and Action	Resp.	Status
UCM-08/06	Draft and distribute glossary document clarifying all terminologies and definitions used throughout the SSN, LRIT and IMS services.	EMSA	Pending
UCM-09/08	France and EMSA to discuss use case and assess feasibility for S2S distribution of data to FR regional port systems.	FR & EMSA	Pending
UCM-09/10	France and EMSA to analyse feasibility of integrating COSPAS-SARSAT data within IMS.	FR & EMSA	Pending
UCM-10/02	EMSA to include access to Sentinel-1 and Sentinel-3 EO imagery historical archive in SEG.	EMSA	On-going
UCM-10/14	EMSA to coordinate with volunteers Member States the drafting of use cases scenario for the displaying of vessels certificate information via IMS SEG.	EMSA & MS	Pending



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 **EMSA**  
European Maritime Safety Agency

- Promote and increase regional, national and local  **cooperation**;
- Provide additional, complementary and supportive  **data, information and tools** for enhancing maritime domain picture;
- Provide relevant services to all authorities/organisations executing functions in the  **maritime domain**;
- Respond to detailed needs and  **requirements** as specified by  **users**;
- Provide services to users which are  **Easy** to use,  **Fast** to develop and  **Cost-effective** to run.
- **Governance/ Strategy** via **HIGH LEVEL STEERING GROUP** for Governance of the Digital Maritime System and Services.

# Overall IMS MS authorities (as of October 2019)

