

Automated Behaviour Monitoring (ABM) and Advanced Analytics Workshop 5

Status of the existing ABMs in IMS

Lukasz Bibik

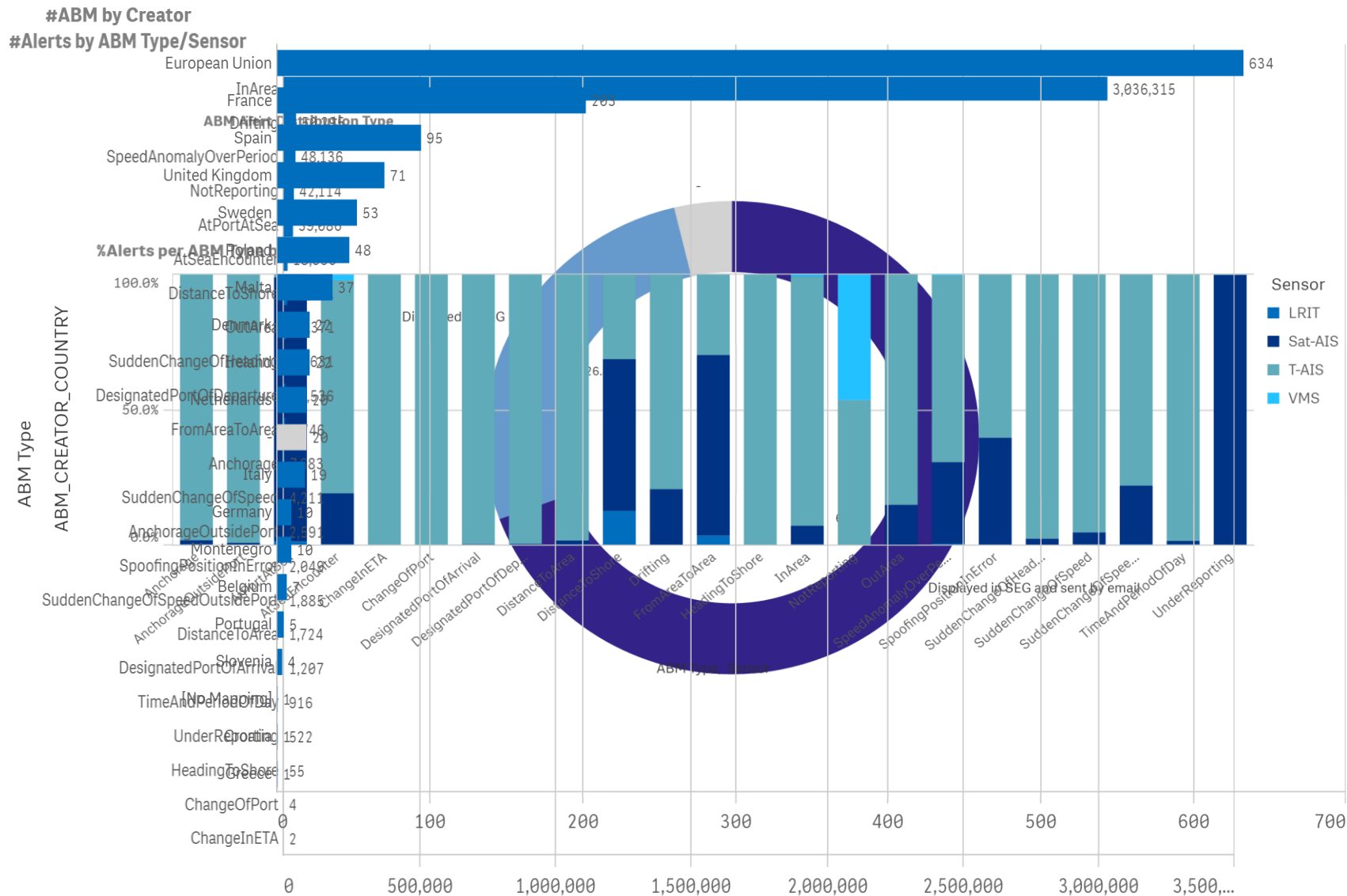
Senior Project Officer
Integrated Services Design

Lisbon, 04.12.2019

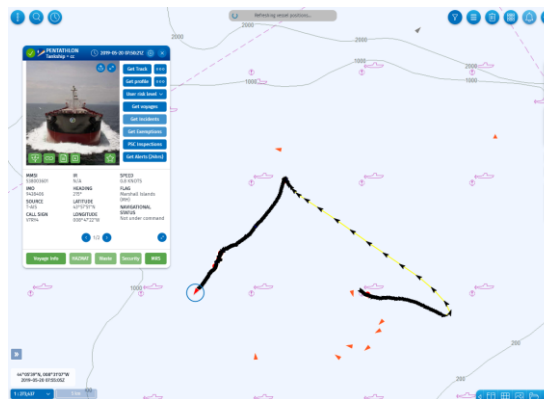
- **Status**
- **Recent and planned Developments**
- **Next steps**
- **Interfaces**
- **Actions**

- **+120 ABM admin accounts granted to 18 Member States, 1 candidate country, 5 EU Bodies and EMSA**
- **+436 running (actively used) ABM algorithms. An additional 820 ABMs were used over last year**
- **110 distribution lists to more than 300 users**
- **The top five most popular ABM algorithm types, have been: 'In Area'; 'Not Reporting'; 'Drifting'; 'At Sea Encounter'; 'From Area to Area.'**

Status - stats

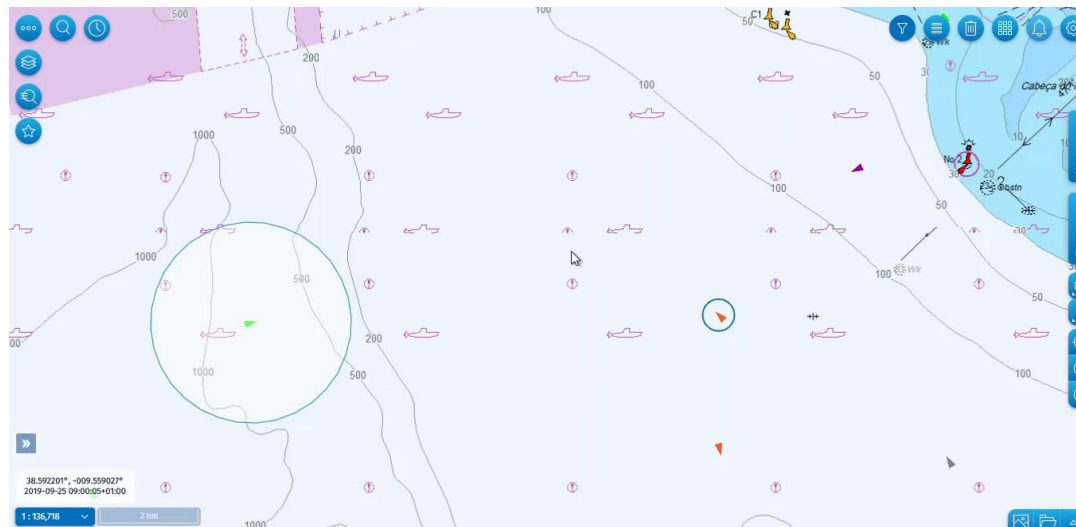


- ✓ ABM technical module was updated to the new version – STAR ABM 3.2
- ✓ UCM#13 meeting, agreed to extend the scope of the ABM Working Group to include Data Analytics and the use of new technologies (e.g. machine learning)
- ✓ Training activities for the new ABM administration console

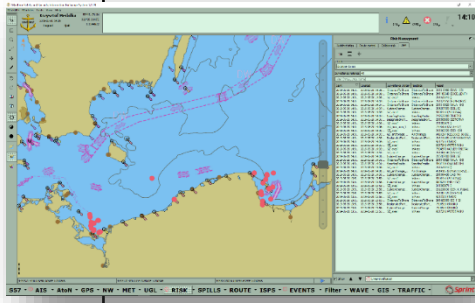
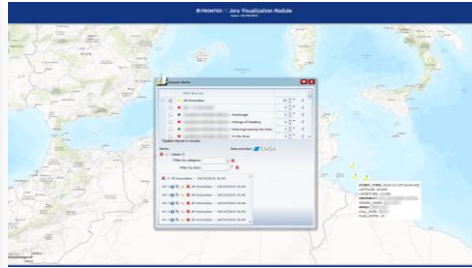
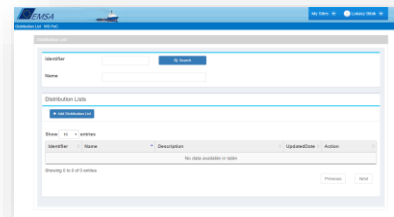
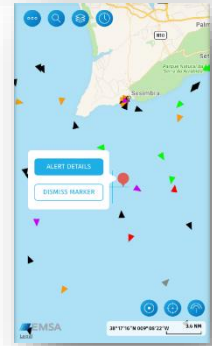


Position Details				
MMID	ID		Name	
00000001	N.A.		Call Sign	
IMO	IMO		VTTA	
910000	Call Sign		Name	
Flag State	Name		Position	
USA	USA		Position	
Timestamp				
2018-05-20T14:05:20Z	Latitude	Longitude	Heading	Speed
	43.888	-8.787	177	0.3
Location in Map				
USA				
Alert Details				
ID	Surveillance Description			
158822876335	GLOBAL_DRIFT_T_VALIDUS_BISCAV			
Start Time	End Time		End Time	
2018-05-20T14:05:20Z	2018-05-20T14:05:40Z		2018-05-20T14:05:40Z	
Event Details				
Event type	Drifting			
Status	DRIFTING			
Start Time	End Time		End Time	
2018-05-20T14:05:20Z	2018-05-20T14:05:40Z		2018-05-20T14:05:40Z	

- ❑ Uncorrelated VDS in Area, Zone around the ship;
- ❑ Navigational status change, line crossing;
- ❑ Upgrades for MS/ Frontex/ 'Interoperability' projects (COG instead of Heading, SSN enrichment);
- ❑ Improvement of the ship reference DB;



ABM Interfaces available

Functionality ->	ABM configuration	ABM- alerting mechanism	Configuration of the ABM alerts distribution lists
Interfaces	S2S	S2S	EMSA Maritime Portal (new interface)
			
	SEG (new interface)	SEG (new interface)	
		IMS Mobile App	
		E-Mail	
	WUP (old interface) *	WUP (old interface) *	



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