



**MINISTÈRE  
DE LA MER**

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# ABM use (FR)

- usage and example of a use case
- proposal for a monitoring tool

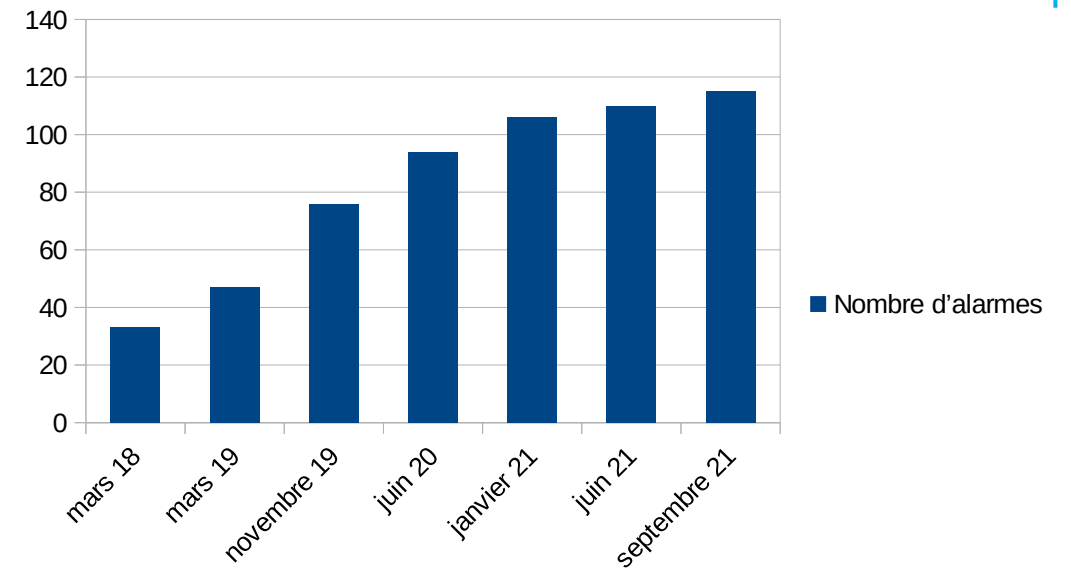
14/12/2021, ABM Workshop, Katell Marcillaud

# Usage

## Important use of the ABM by the french MRCCs :

	Nombre d'alarmes
mars 18	33
mars 19	47
novembre 19	76
juin 20	94
janvier 21	106
juin 21	110
septembre 21	115

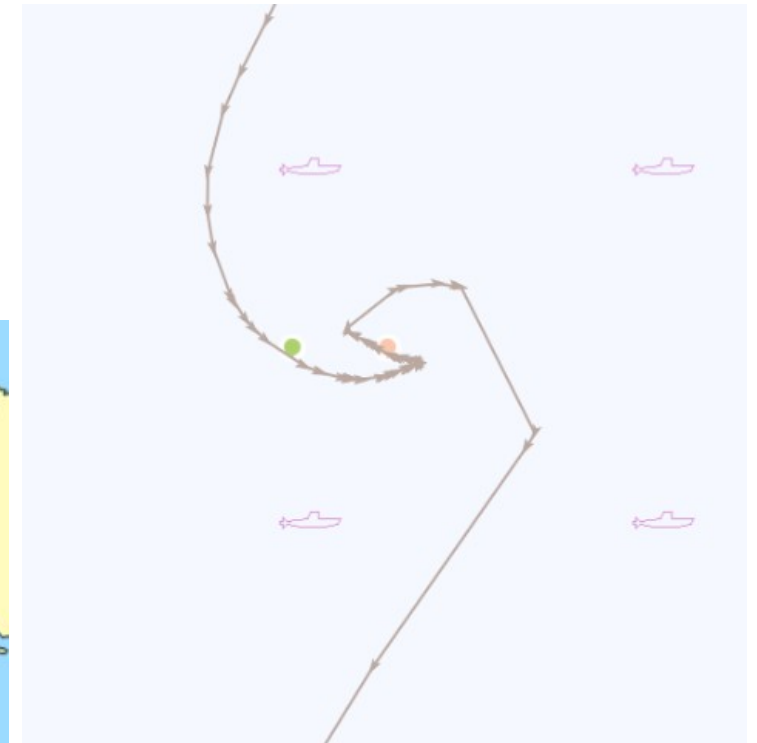
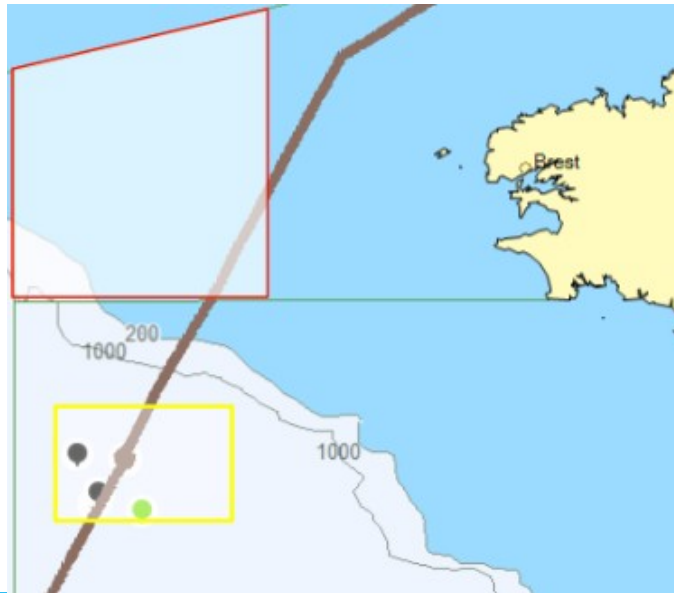
Type	Nombre d'alarmes
SpeedAnomalyOverPeriod	47
InArea	16
FromAreaToArea	9
SuddenChangeOfSpeed	9
SuddenChangeOfHeading	8
NotReporting	7
Drifting	5
DistanceToShore	4
AnchorageOutsidePort	3
AreaEntering	2
HeadingToShore	2
NavigationalStatus	2
Anchorage	1
<b>Total Résultat</b>	<b>115</b>



- Used as a support to operationnal tasks
- Allow an early detection of certain situation

# Example of a use case

1708- Reception of an ABM alert on SEG (speedAnomalyOverPeriod)  
1741- Reception of an ABM ALERT on SEG (drifting)  
1742 - Phone contact with vessel - problem on main engine  
investigations in progress  
transit from Le Havre to Suez - 83177 MT of containers  
1850 – vessel informs MRCC that repairs are fixed.  
She resumes her trip to destination.  
Case closed  
2002 Incident detail/Sitrep Sent



# Monitoring the ABMs

# Origin of the proposal

→ Mid-november, an MRCC signaled to the ABM admin that they were no more ABM alarms since the day before .

After a control on its interface, the ABM admin saw that there was still some, but that some « usual » alarms (on the border of a counting alarm) were missing.

It was looking like if some positions (satellites AIS) were missing, which could explain a diminution of the alarms. MSS and IMS teams contacted to get informations.

→ 2 days after, without news, a further investigation of the ABM admin **in the emails received** showed that if some alarms seems to be perfectly fonctionning, for others there was not any message received since several days.

So in order to avoid to miss more alarms, the ABM admin tried to restart those alarms unsuccessfully (alarms blocked on running even when trying to stop them), and then finally made a clone of all the alarmes identified as no more working.

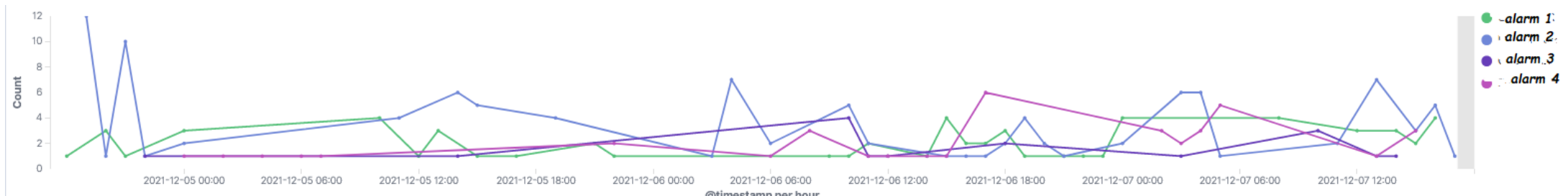
→ After further contacts with EMSA teams, the issue has been identified (stop of one of the server used for alarms).

# Proposal

→ This incident showed that it's sometimes difficult to identify an issue in the transmission of ABM alert if it's not a complete stop of all the alerts.

Here, the only way to see the issue was to compare the number of alarms received by email, one alarm by one alarm, before and after the supposed beginning of the incident.

→ it would be useful to have a tool to monitor the « level » of alerts at EMSA level, ABM admin level or ABM user level, in order to detect easily performance issues :



**Idealy** : to have the possibility to filter out on the name of the alarms, or to group some alarms under different graphics (in case they are numerous!), and the possibility to change the time period.

**Idealy (bis)** : to have also a tool to count the number of alarms per month (and on several month), for statistics needs:

From keyword: Ascending	@timestamp per month	escales uniques
alarm 1	2021-09-01	114
alarm 1	2021-10-01	139
alarm 1	2021-11-01	122
alarm 1	2021-12-01	38
alarm 2	2021-09-01	47
alarm 2	2021-10-01	50