

Fisheries Monitoring Centre (FMC)

4th Automated Behaviour Monitoring (ABM) Workshop (Lisbon, 5th December 2018)

By

Christopher Sciberras

Senior Fisheries Protection Officer.

MALTA FMC

Department of Fisheries and Aquaculture (DFA)



How a FMC/VMS works?

IRIDIUM SAT



GPS SAT



CHALLENGE SUSTAINABLE DEVELOPMENT FOR SUSTAINABLE DEVELOPMENT IN THE ENVIRONMENT AND CLIMATE CHANGE
Department (ex-S&T) of Agriculture
MALTA
Department of Fisheries & Aquaculture



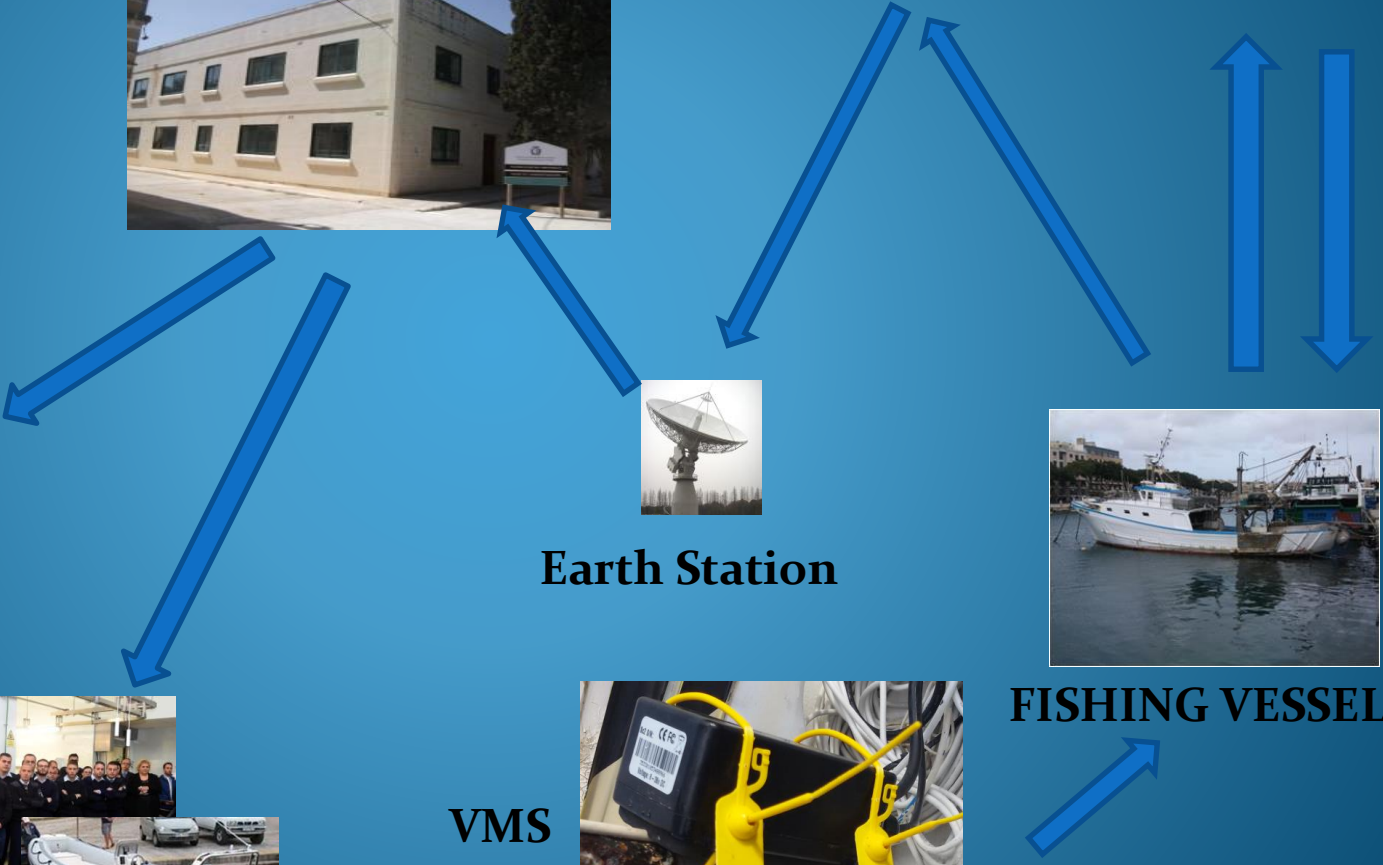
Earth Station



VMS

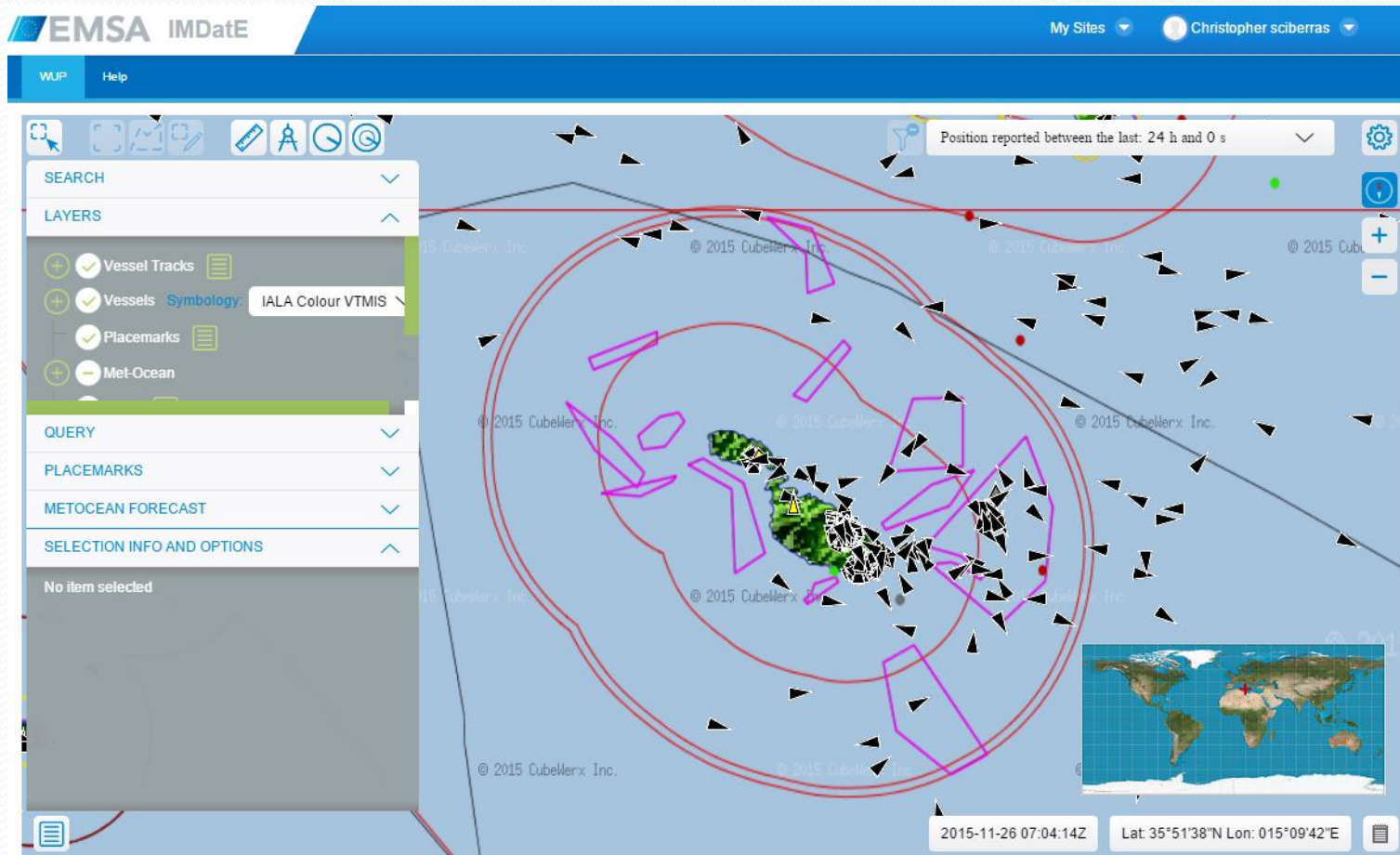


FISHING VESSEL



Malta's 25 nm Fisheries Management Zone

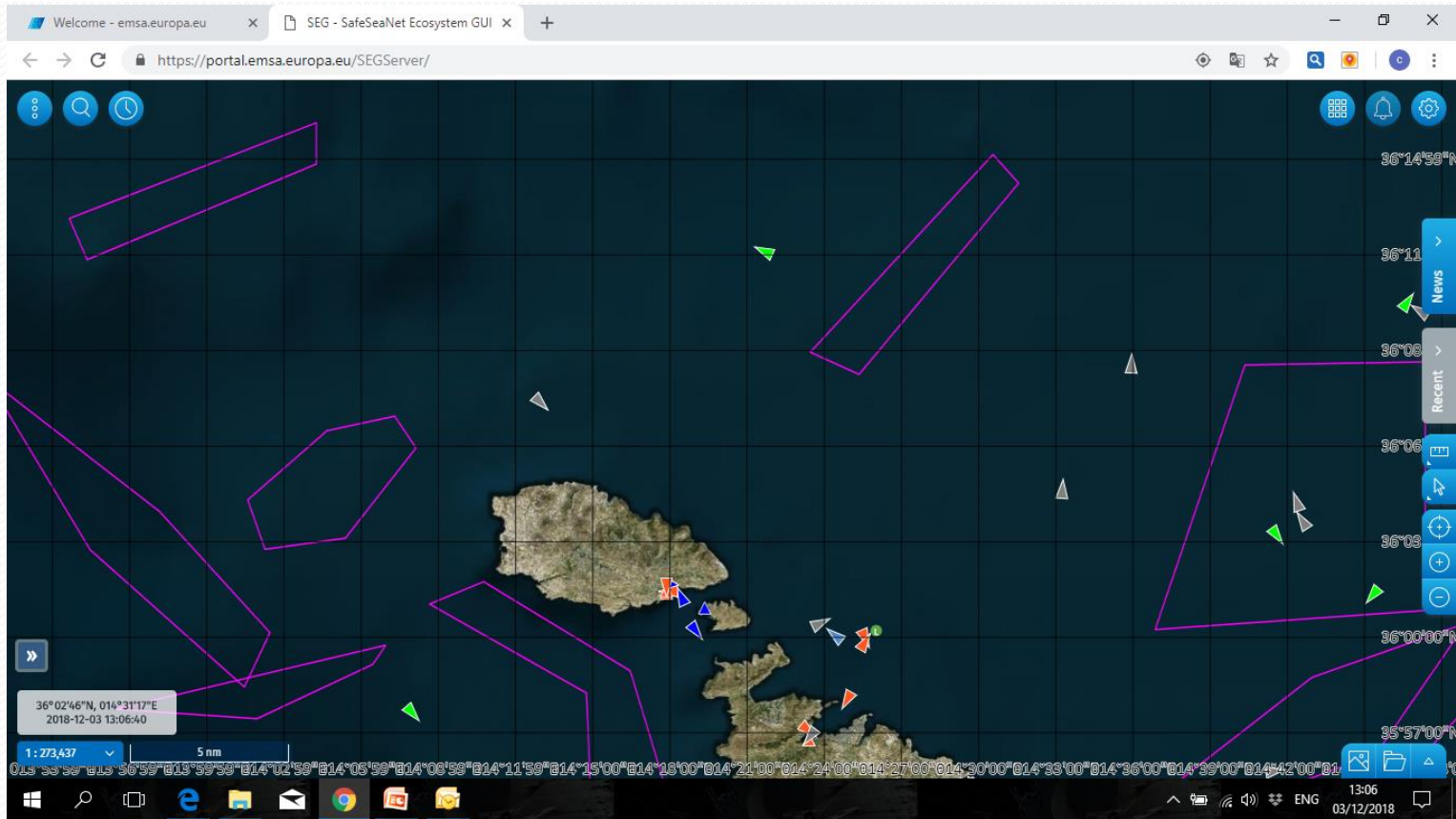
Introduction of AIS monitoring



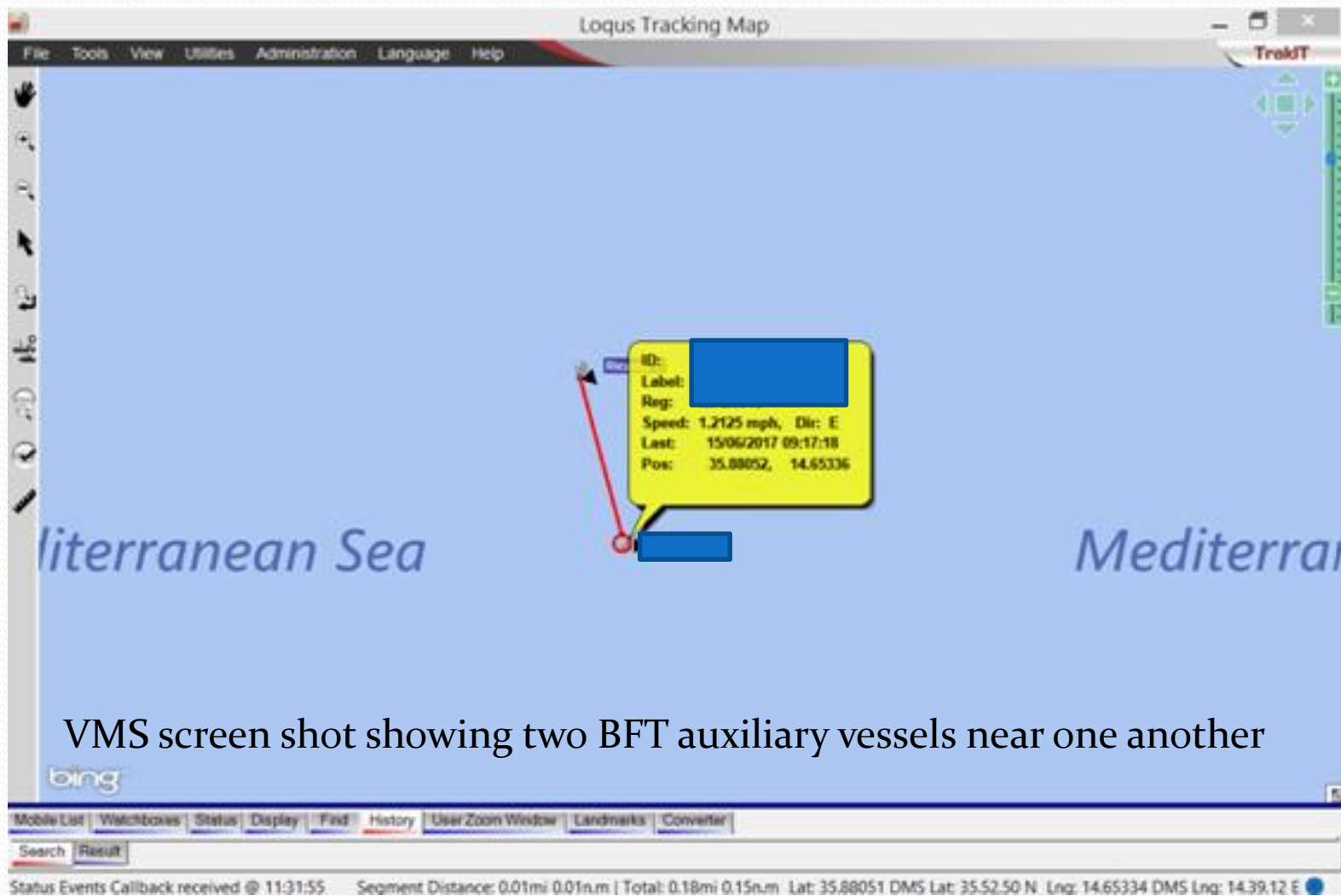
With the introduction of the IMDatE and Automated behaviour monitoring, it has proven very Important to Fisheries due to the high level of F/V traffic around / entering Malta's 25 nm Fisheries Management Zone (FMZ).

ABM SCENARIO 1

ABM / In Area



ABM SCENARIO 3 - Encounter at sea

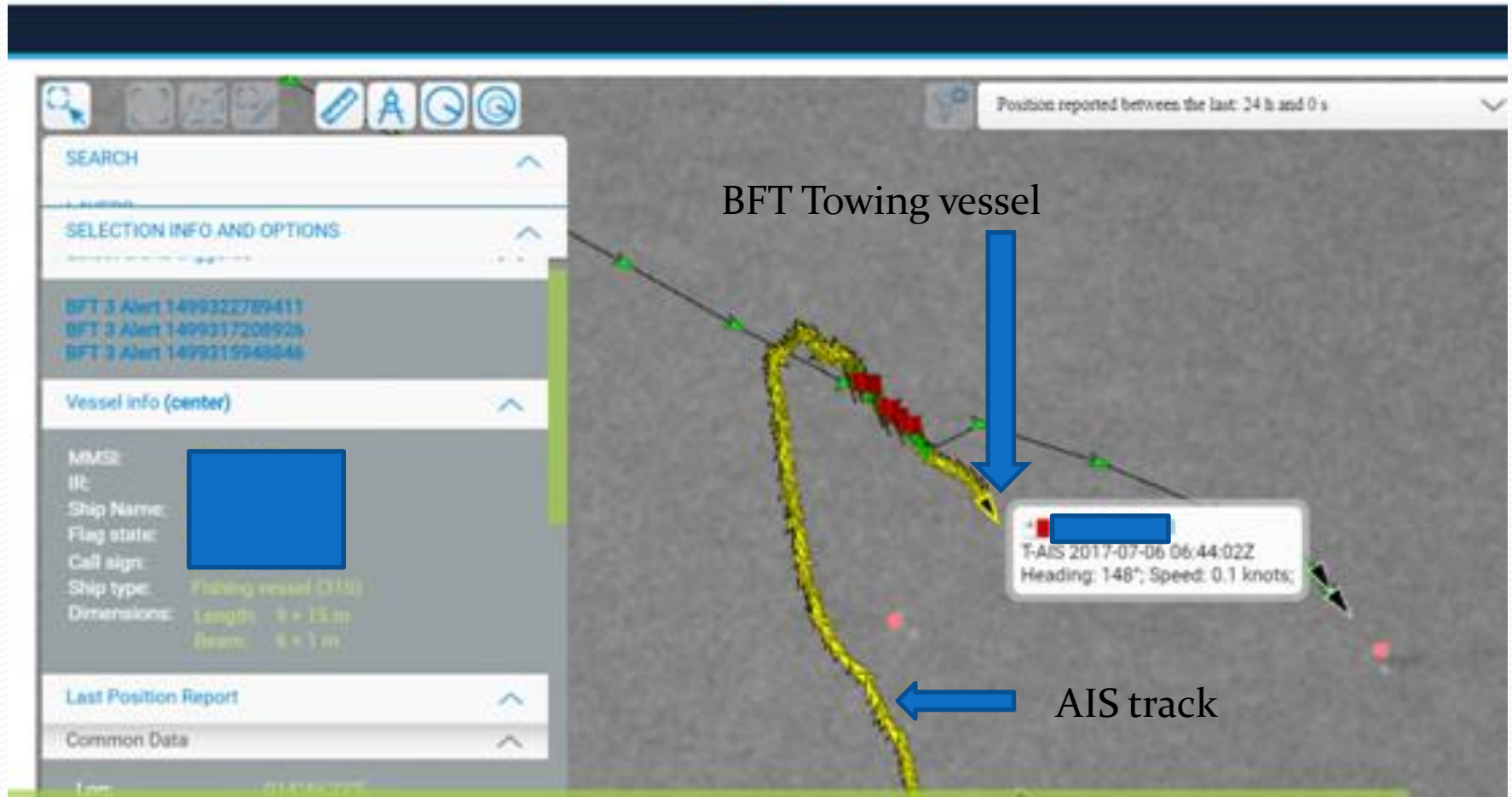


VMS screen shot showing two BFT auxiliary vessels near one another

ABM SCENARIO 2

Encounter at sea

EMSA IMDatE



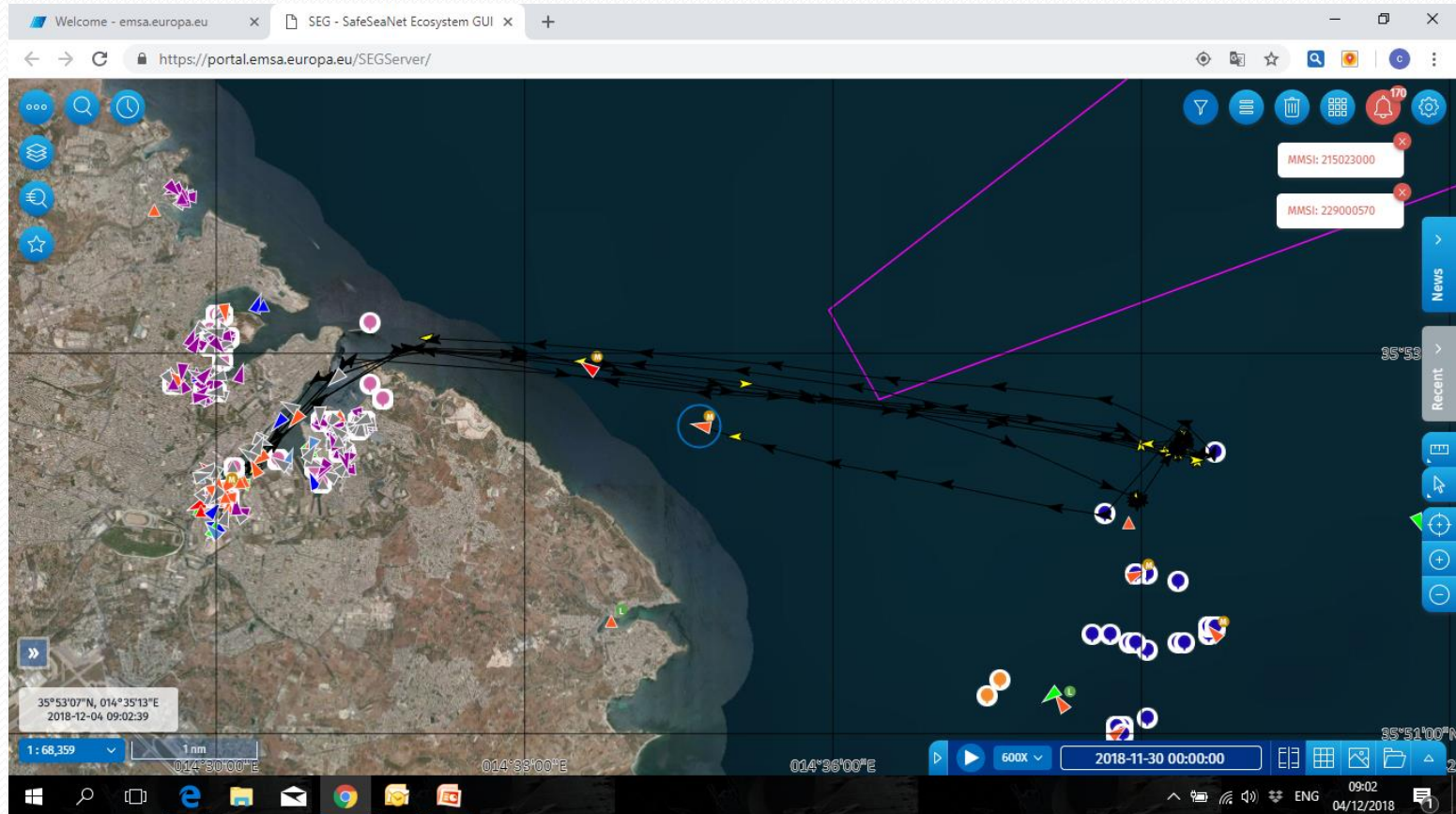
ABM SCENARIO 2

Encounter at sea cont...

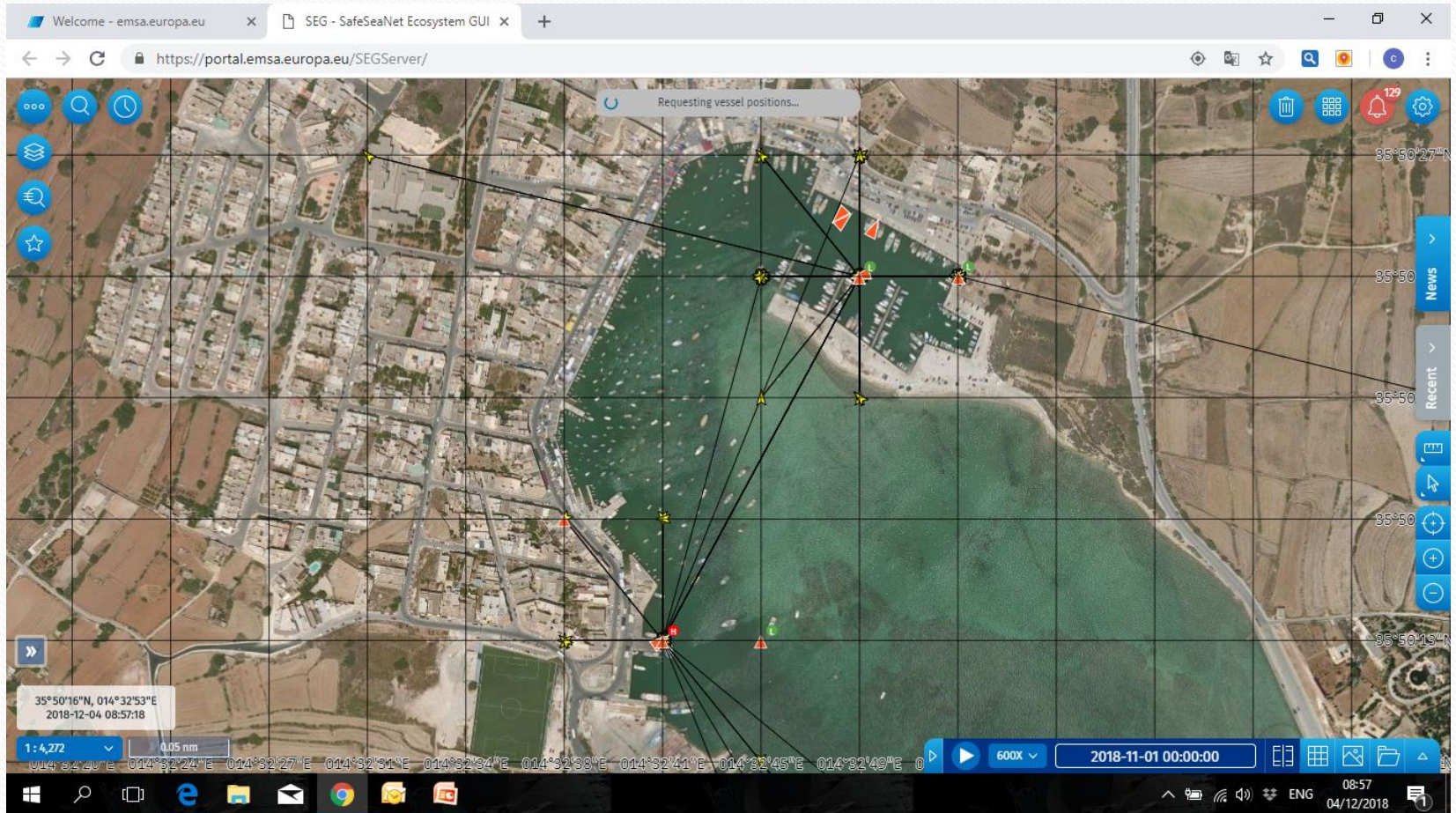


The support vessel was inspected by Fisheries Officers when it returned and the master was questioned why he was alongside XXXX which was a towing live tuna

ABM - Heading to shore

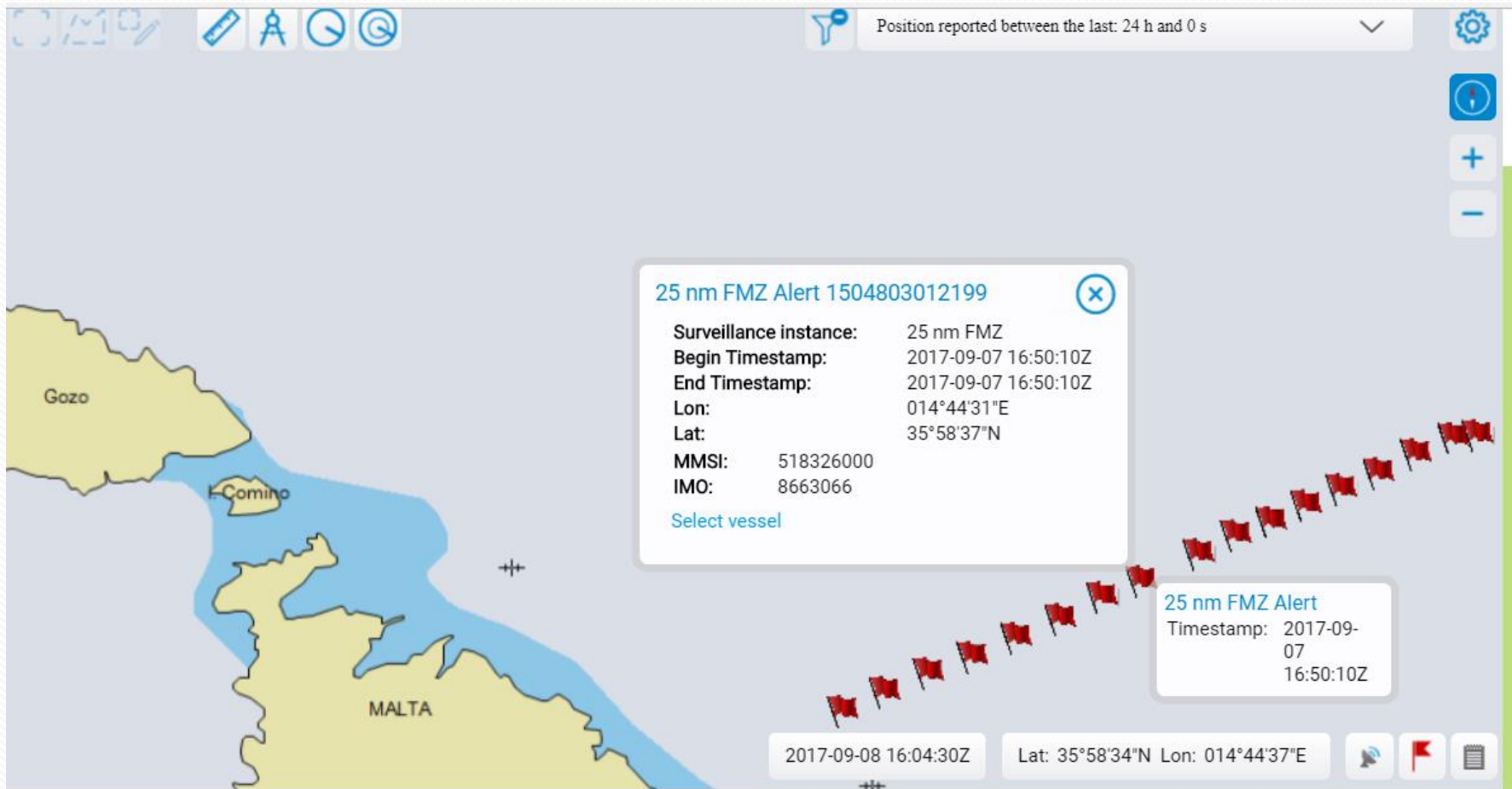


RISK



Problems encountered with AIS

ABM – In area



- Unlike the Vessel Monitoring System (VMS) where Fisheries imputes a fishing vessel particulars in the terminal, such as name and registration.
- For AIS it is different as the owner of the vessel is responsible, so mistakes can happen.
- Also AIS terminals can be manipulated far more easily than VMS.

Thank you,
Questions?

