

GROUP I



HOW CAN WE STANDARDIZE “HOT PURSUIT” AND CROSS-BORDER DATA HANDOVER

Coordination on MCS to combat IUU fishing in the region

How can we standardize ‘Hot Pursuit’ or cross- border data handovers between MCS centers?

- Start with UNCLOS Article 111, 12 NM territorial Sea
- Same definition as UNCLOS
- IND and MSY have an MOU for the traditional fishers can be use for the model of bilateral arrangement and→
- **Develop ASEAN general guidelines on Hot Pursuit between the AMS’s MCS Center**
 - UNCLOS article 111
 - ensure /define 1st that it is a fishing vessel; the FV is doing suspected IUUF through data satellite, or airborne.
 - Suspicious/ Suspect of Fishing Activities - vessel behaviour around BN, MY, ID
 - Warning operation: stop and take
 - Take the evidence: Photo or Video
 - Warning shot on air
 - If the vessel keep run (Go out side EEZ) the coastal state must give the right long
 - photo and video evidence to the flag state (Neighboring country)

HOW TO CONNECT OR COMMUNICATE WITH THE MCS CENTER:

How to connect or communicate with the MCS center:

- At the moment, we only protect our own water.
- Using the AMSs focal point and AN-IUU platform to share the information (the evidence: Photo or Video)

HOW CAN MACHINE LEARNING ASSIST IN PROCESSING VMS/AIS DATA TO PREDICT IUU BEHAVIOR BEFORE IT HAPPENS?

- VMS/AIS Track analysis can help law enforcers predict the fishing vessels' behaviour at sea, hence, the assumption of IUUF activity
- Loss (Turned off 1 hour.) of the VMS/AIS track is interpreted as doing something suspicious
- Docking in the high-risk area for a long time
- Analyse the vessel's behavior
- Tricking the docking vessel

2) REGIONAL CAPACITY BUILDING NEEDS WILL BE SEPARATED BY M, C, S.

Monitoring (M)	Control (C)	Surveillance (S)
System analysis,	Fishing vessel and gear marking	VMS/AIS and GPS forensic data analysis as a support document for the prosecution of suspected IUUF
Data analysis VMS/AIS	Port state control	Boarding and vessel inspection in port and at sea
Data collection (Methodology, AI data collection, <u>biological and logbook</u>)	Administrative control (License, quota)	Aerial Surveillance (<u>ie Drone</u>)

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System development: Training officer,		Sea-based Surveillance
eCDT system		Training AN-IUU interactive platform
Radio communication frequency detection/collection		<input type="text"/>