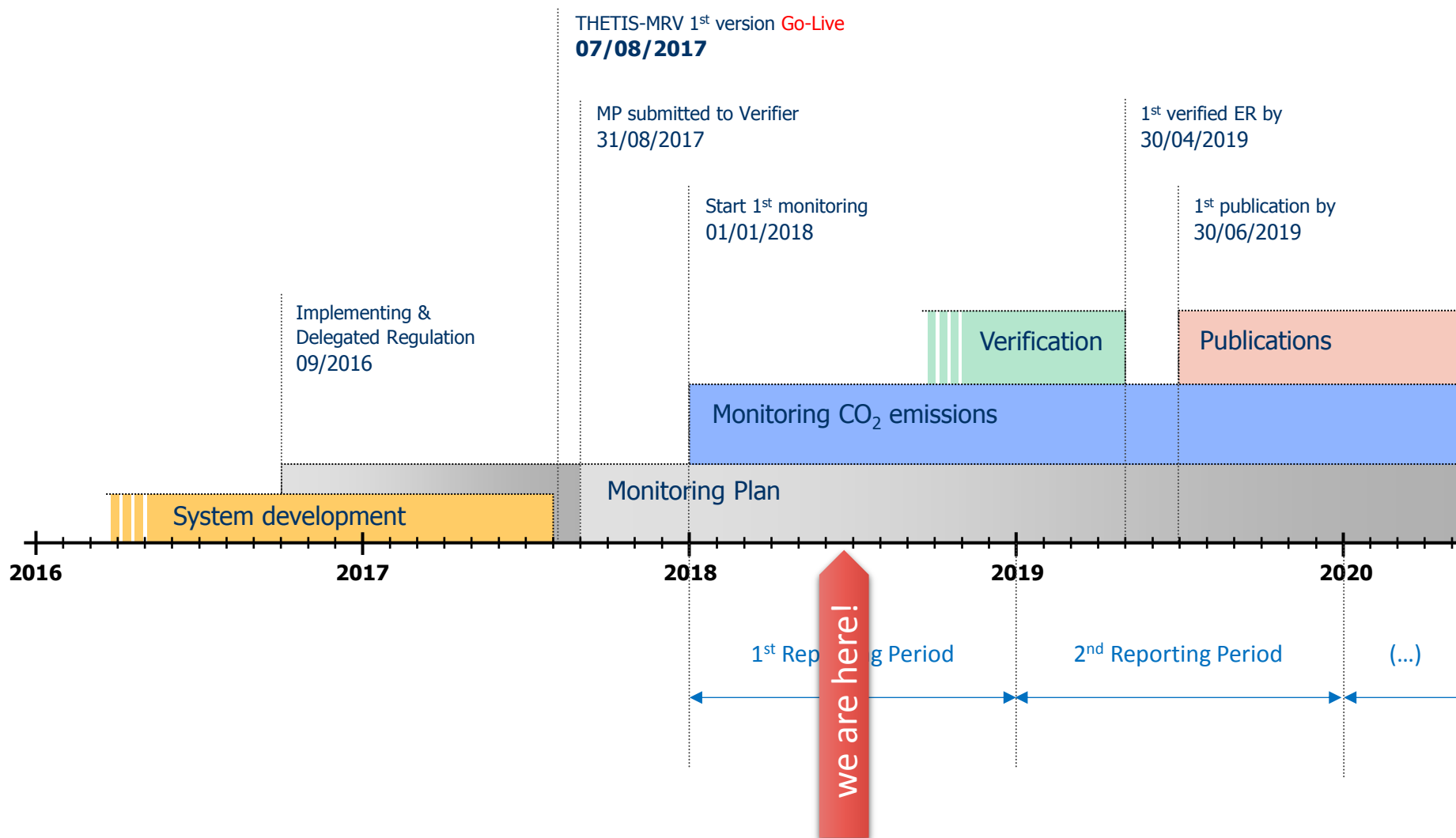


THETIS MRV

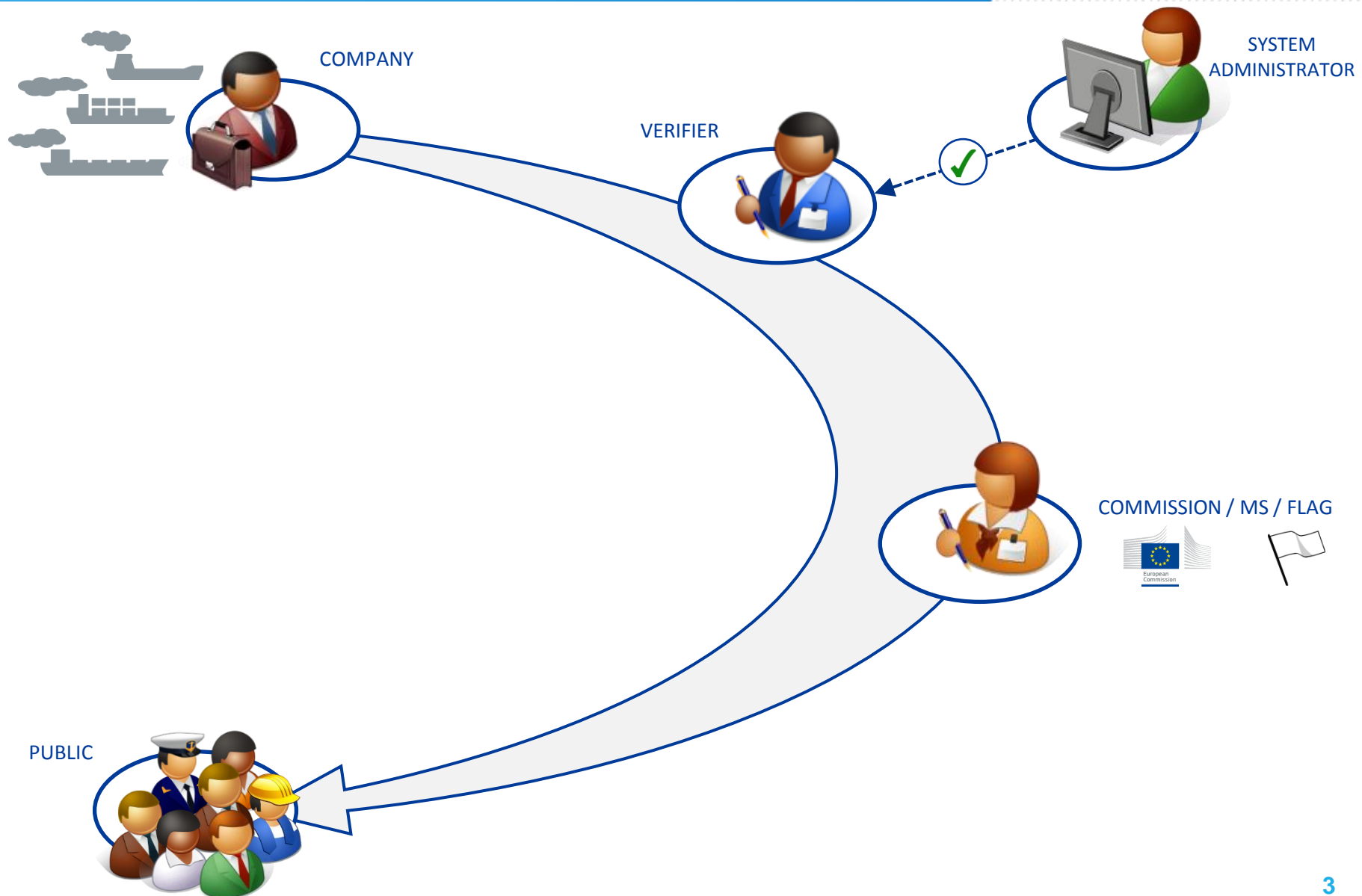
Information System in support
of EU Regulation 2015/757 on MRV

Miguel Madeira / Carlos Pereira
B.3 Environment & Capacity Building

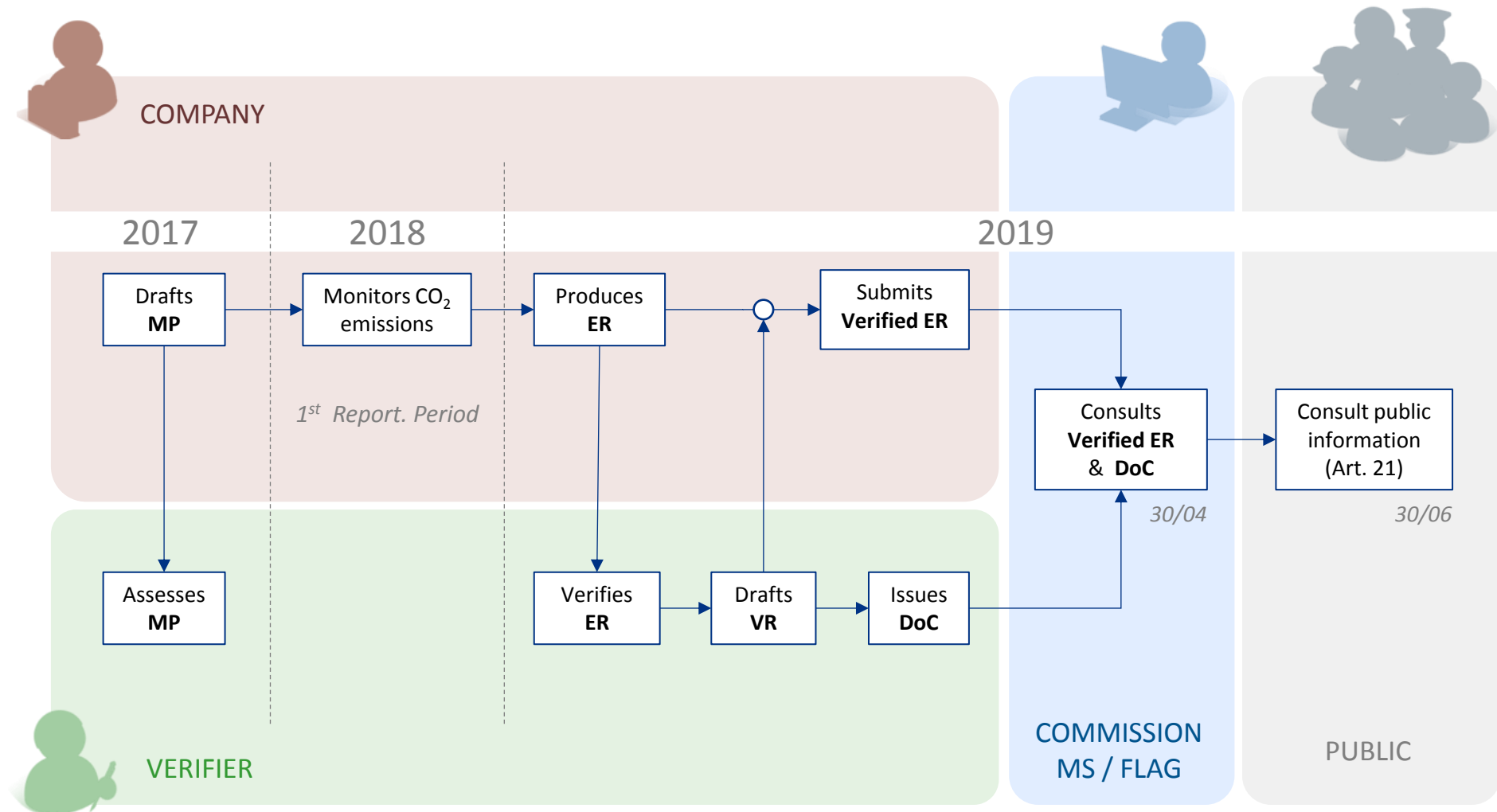
25 June 2018



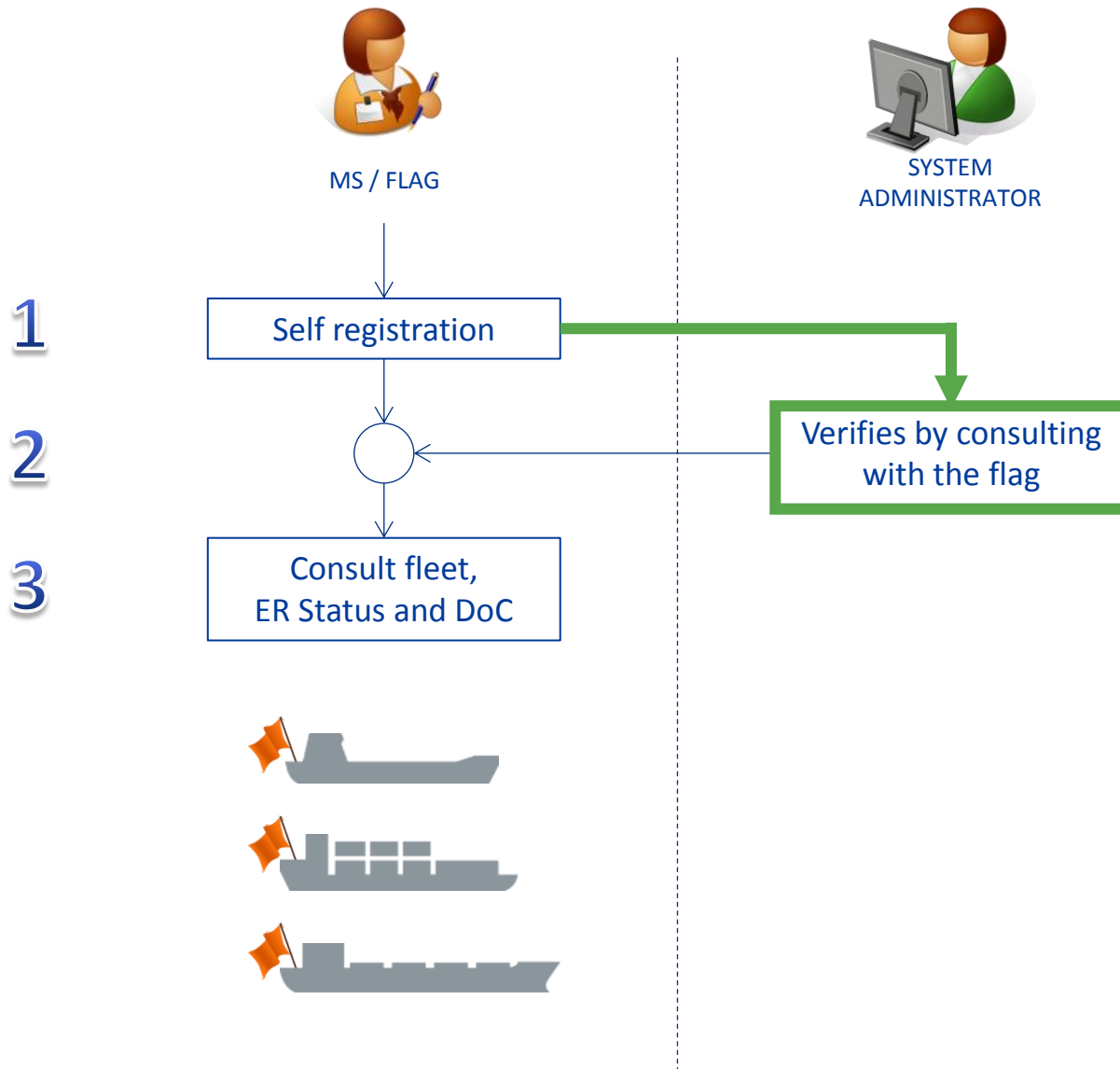
Actors



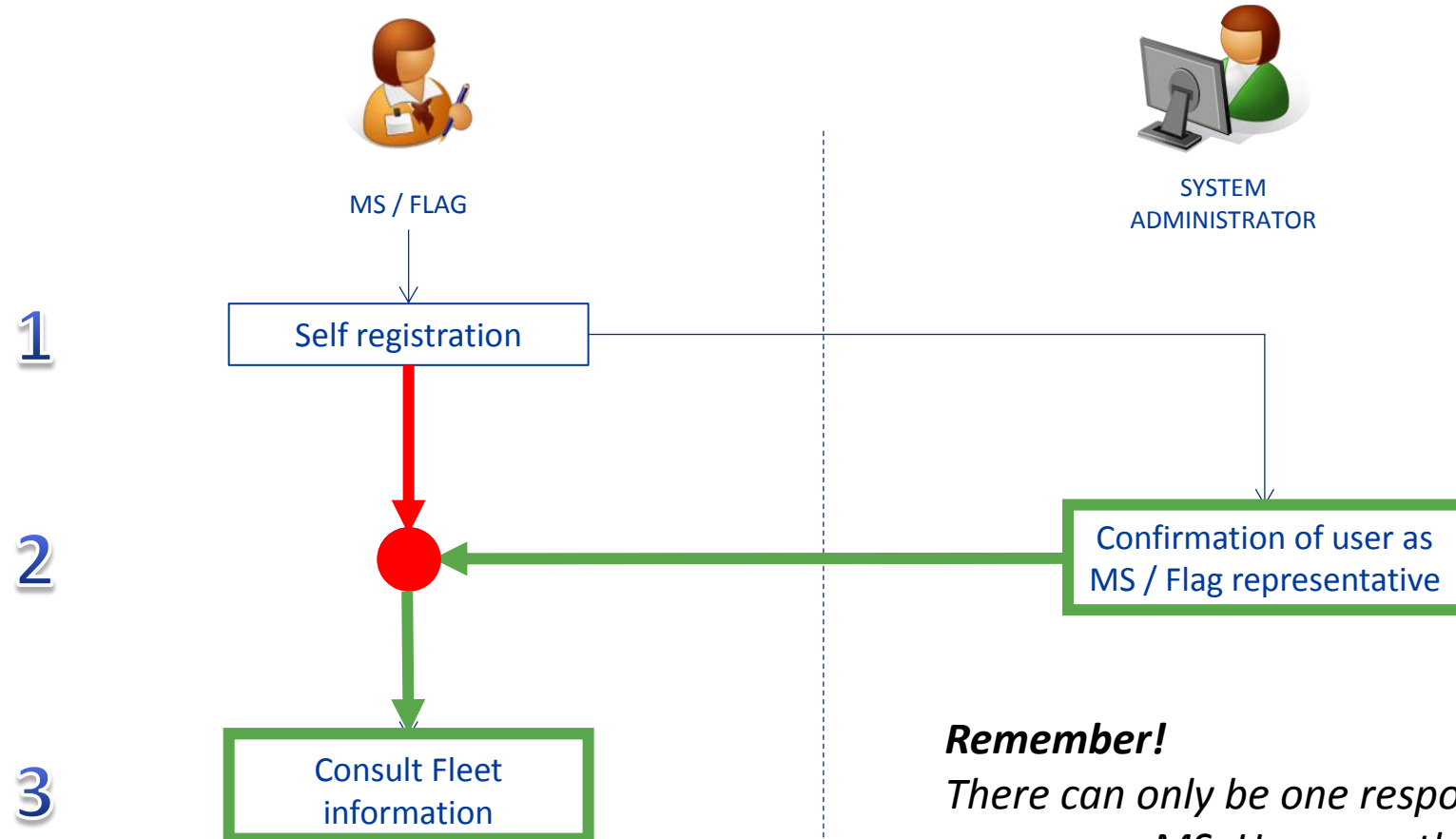
Workflow



MS / Flag registration process



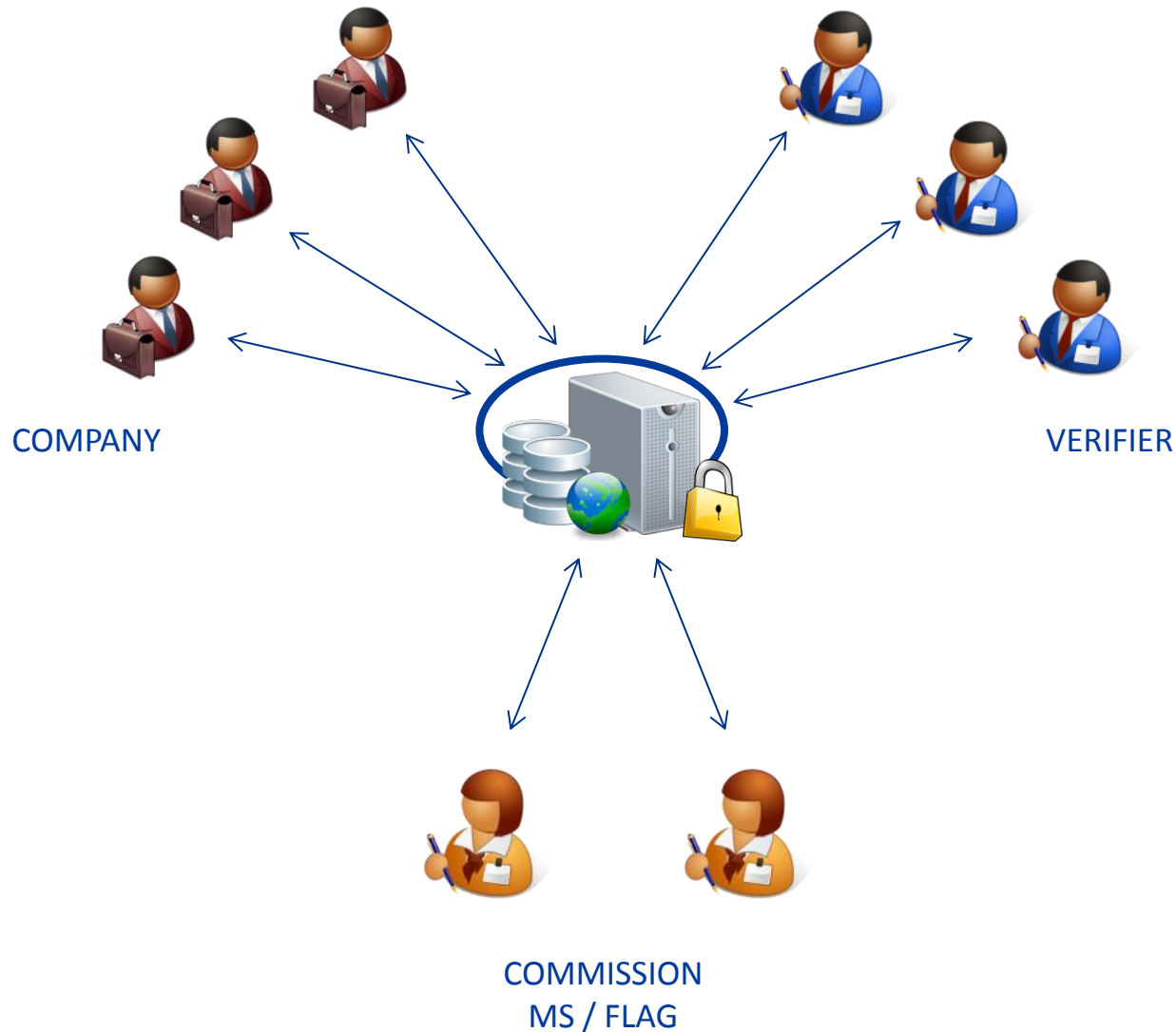
Flag state registration process



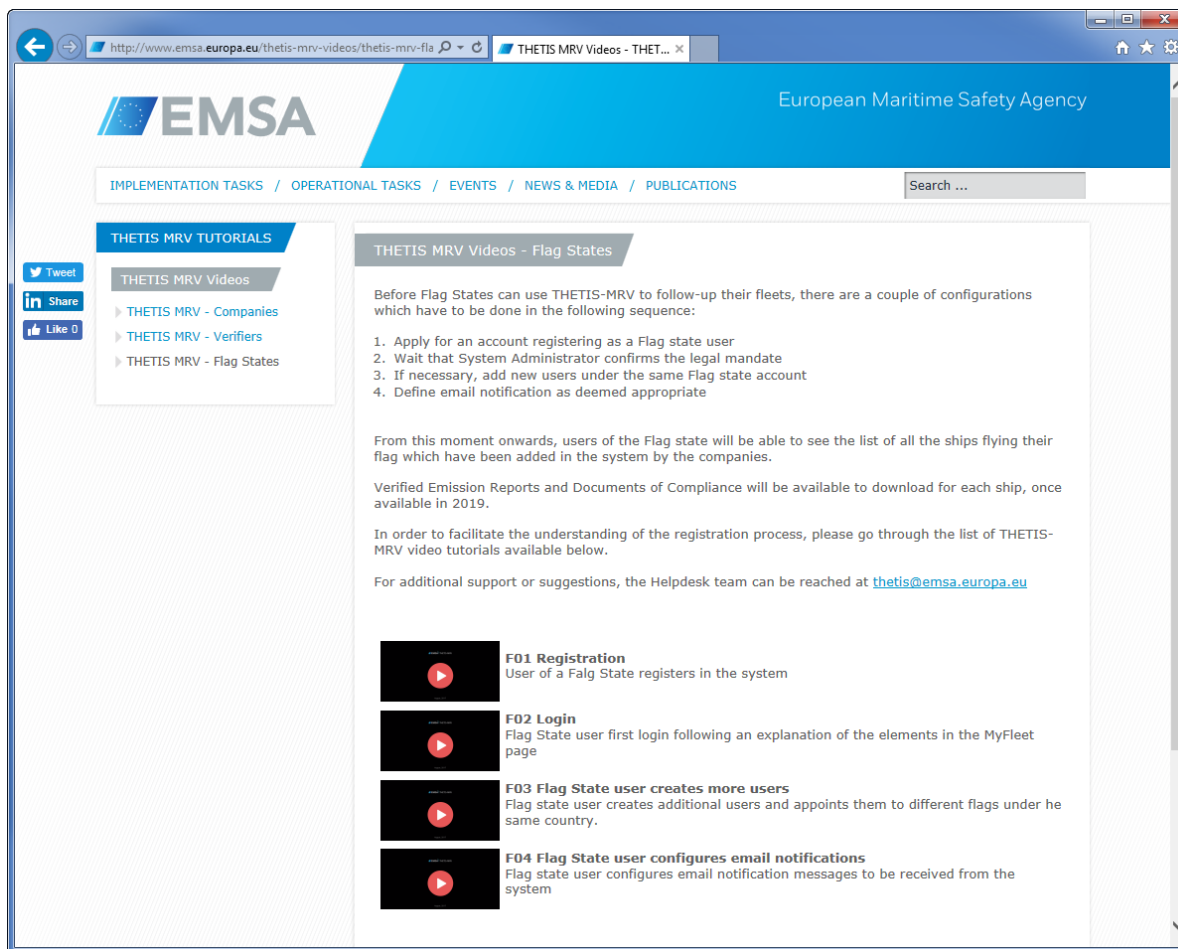
Remember!

There can only be one responsible person per MS. However, this person will be able to create additional users under the same account.

System users - multiple accesses



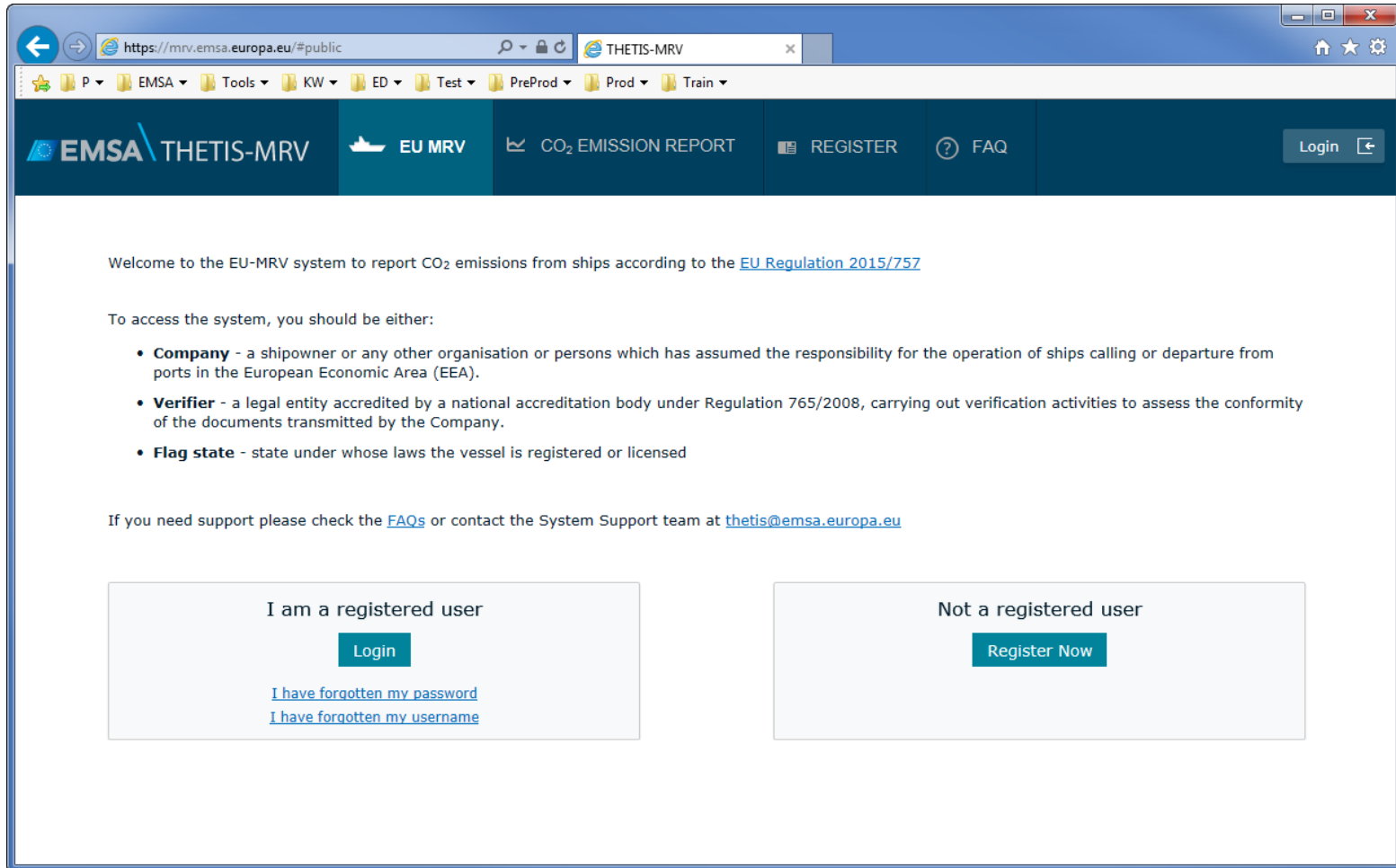
<http://www.emsa.europa.eu/thetis-mrv-videos.html>



The screenshot displays the EMSA (European Maritime Safety Agency) website. The header features the EMSA logo and the text "European Maritime Safety Agency". Below the header is a navigation bar with links: IMPLEMENTATION TASKS / OPERATIONAL TASKS / EVENTS / NEWS & MEDIA / PUBLICATIONS. A search bar is also present. The main content area is titled "THETIS MRV Videos - Flag States". It includes a list of video tutorials under the heading "THETIS MRV TUTORIALS". The list includes: THETIS MRV - Companies, THETIS MRV - Verifiers, and THETIS MRV - Flag States. The "THETIS MRV - Flag States" section is expanded, showing a list of video tutorials with their titles and descriptions:

- F01 Registration**
User of a Flag State registers in the system
- F02 Login**
Flag State user first login following an explanation of the elements in the MyFleet page
- F03 Flag State user creates more users**
Flag state user creates additional users and appoints them to different flags under he same country.
- F04 Flag State user configures email notifications**
Flag state user configures email notification messages to be received from the system

<https://www.mrv.emsa.europa.eu>



The screenshot shows a web browser window with the URL <https://mrv.emsa.europa.eu/#public>. The browser's address bar and tabs are visible. The website's navigation bar includes the EMSA logo, 'THETIS-MRV', and several menu items: 'EU MRV', 'CO₂ EMISSION REPORT', 'REGISTER', 'FAQ', and a 'Login' button. Below the navigation bar, a welcome message states: 'Welcome to the EU-MRV system to report CO₂ emissions from ships according to the [EU Regulation 2015/757](#)'. It then lists the user types: 'Company', 'Verifier', and 'Flag state'. At the bottom, there are two main sections: 'I am a registered user' with a 'Login' button and links for 'I have forgotten my password' and 'I have forgotten my username'; and 'Not a registered user' with a 'Register Now' button.

https://mrv.emsa.europa.eu/#public

THETIS-MRV

EU MRV

CO₂ EMISSION REPORT

REGISTER

FAQ

Login

Welcome to the EU-MRV system to report CO₂ emissions from ships according to the [EU Regulation 2015/757](#)

To access the system, you should be either:

- **Company** - a shipowner or any other organisation or persons which has assumed the responsibility for the operation of ships calling or departure from ports in the European Economic Area (EEA).
- **Verifier** - a legal entity accredited by a national accreditation body under Regulation 765/2008, carrying out verification activities to assess the conformity of the documents transmitted by the Company.
- **Flag state** - state under whose laws the vessel is registered or licensed

If you need support please check the [FAQs](#) or contact the System Support team at thetis@emsa.europa.eu

I am a registered user

Login

[I have forgotten my password](#)

[I have forgotten my username](#)

Not a registered user

Register Now



Thank you!

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THETIS MRV

Implementation & Enforcement

Miguel Madeira / Carlos Pereira
B.3 Environment & Capacity Building

25 June 2018



Before we start....

THETIS

THETIS-EU

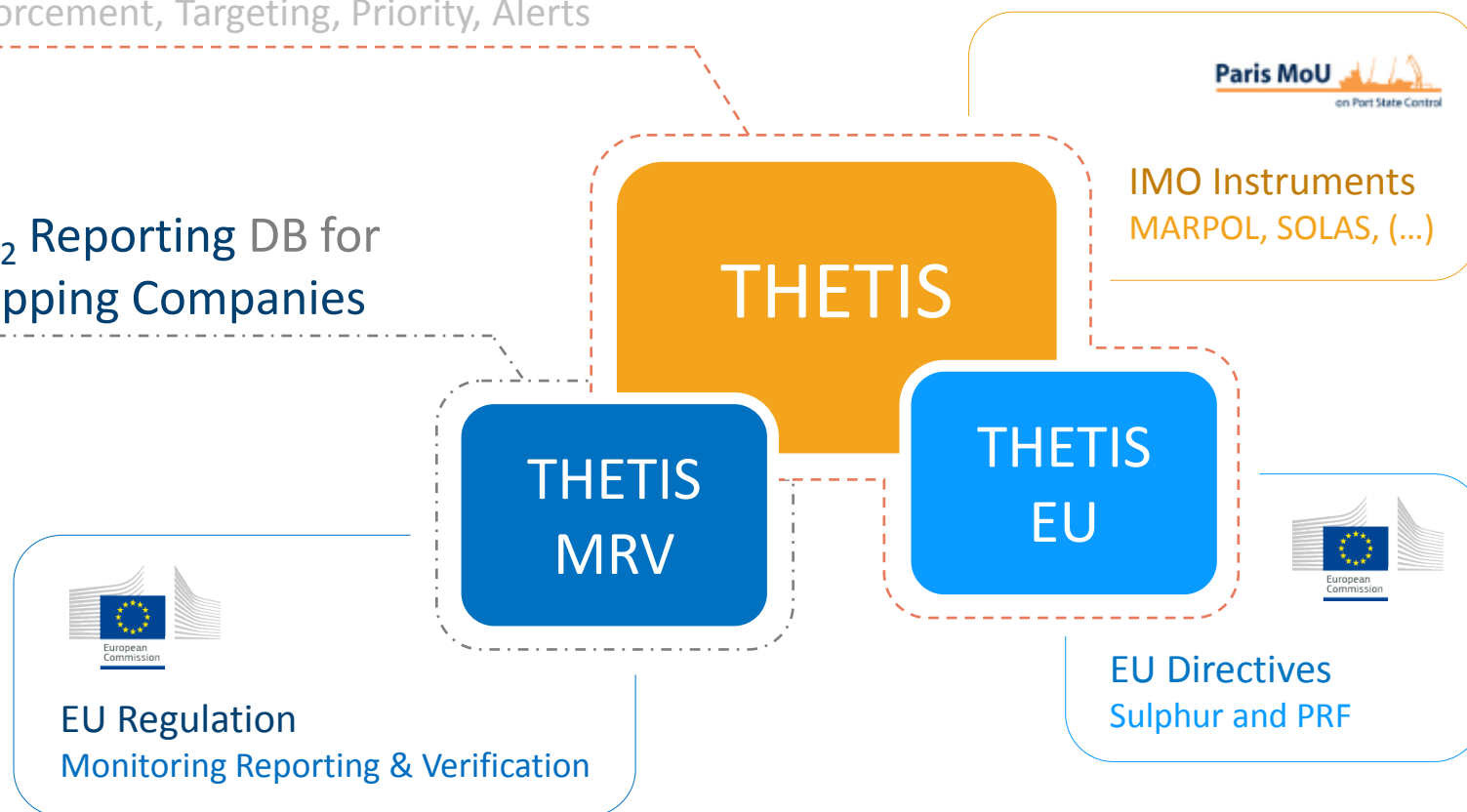
THETIS-MRV



Inspection DB for Member States

Enforcement, Targeting, Priority, Alerts

CO₂ Reporting DB for Shipping Companies



Legal Directives **2009/16/EC** on PSC and **99/35/EC** on ro-ro ferries and high-speed passenger crafts

Users Paris MoU



Features Includes a **risk based** mechanism for **targeting** ships for inspection resulting from ship details, last inspections and **overriding factors** reported by users, like alleged **pollution incidents**.

Publication Inspection results with some restraints in content

Figures 18 000 inspections per year are recorded in the system by 600 authorised users

Legal	Directives 2016/802 on the reduction in the sulphur content of marine fuels and 2000/59/EC on port reception facilities
Users	EU Member States
Features	Caters provisions not included in the PSC Directive, including Flag State Control requirements. Interfaces with THETIS allowing combined inspection with PSC
Publication	Inspection results with some restraints in content
Figures	10 000 inspections per year. 480 Non-compliances (80% inside SECA)

THETIS
EU



EU Directives
Sulphur and PRF

Legal	Regulation 2015/757 on Monitoring, Reporting and Verification of CO ₂ from marine transport
Users	Shipping Companies, Verifiers and Flag states Worldwide
Features	Generations of Monitoring Plans (Voluntary) an Emission Reports (Mandatory) along with management of the workflow between Companies and Verifiers, leading to the issuance of Documents of Compliance .



EU Regulation
Monitoring Reporting & Verification

THETIS
MRV

Publication	Emission Reports ship specific from April 2019 onwards.
Figures	N/A (Launch in August 2017)



THETIS

THETIS-EU

THETIS-MRV

Enforcement (Processing Inspections)

Reporting (Reporting CO₂ Emissions)



- PSC Inspectors

- PSC Inspectors
- Member State Inspectors

- Companies
- Verifiers
- Member States/Flag States



- PSC Directive
- Ropax Directive
- Insurance Directive

- Sulphur Directive
- PRF Directive
- (...)

- MRV Regulation



- Foreign Flag
- International
- Calling Paris MoU ports

- All Flags
- International/Domestic
- Calling EU ports

- All Flags
- International/Domestic
- Calling EU ports



System input

- Port call information
- Priority messages
- Targeting

User input

- Ship details
- Inspection Findings
- Expulsion

System input

- Port call information
- Alerts

User input

- Ship details
- Inspection Findings
- Alerts

User input

- Ship details
- CO₂ Emission

THETIS - MRV

Does

Record Emissions
Generate ER / DoC
Publishing of information

Does not

Record inspection findings
Record penalties and expulsion orders
Exchange information among MS

Member States in THETIS MRV

Can

Restricted Area

Consult ER & DoC status
and verified ER & DoC
of their ships

Public Area

Consult verified ER & DoC
for all ships

Cannot

Consult ships not reported
by Companies
Consult Port Call information

- Q1: How do I ensure my ships are in compliance?
- Q2: How do I ensure ships calling my ports are in compliance?
- Q3: How can I record follow-up actions e.g. penalties and expulsion orders?
- Q4: How will this information be exchanged within my National Authorities?
- Q5: How will this information be shared with Commission, EMSA and other MS/Flag concerned?



Thank you!

 twitter.com/emsa_lisbon
 facebook.com/emsa.lisbon

