MTCC-LATIN AMERICA – Update PP2

Eladio Peñaloza, PhD | Head
Collection of Ships’ Fuel Oil Consumption Data

Collection of Fuel Oil Consumption Data
• Collect FO consumption data and analyze the actual data collected, as well as the collection and reporting processes
• Calculate ship emissions during the period analyzed

Key Aspects of the Pilot Project
• Gain experience on operational challenges encountered and technology used by ships
• Obtain longitudinal FO consumption data of the same ship over a period as close as possible to 12 months
• Analyze how companies collect and report this information to MARAD / MTCC
MTCC-Latin America - Pilot Project 2

Participants
• At least 3 countries
• Ships of 5,000 GRT and above
• Key partners: MARADs, ship operators and national experts

Panama (PMA)
• Mediterranean Shipping Company MSC
• Carnival Cruise Lines
• Humboldt Shipmanagement
• Transgas

Chile (DIRECTEMAR)
• Humboldt Shipmanagement

Peru (DICAPI)
• Naviera Transoceánica
• Transgas
MTCC-Latin America - Pilot Project 2

Data collected to date

FO consumption of 46 ships over a period of 9 months

(Expected by study design 30)

- Container ships: 20
- Cruise vessels: 26
<table>
<thead>
<tr>
<th>Activities</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identification of the countries participating</td>
<td>February – April 2018</td>
</tr>
<tr>
<td>Data collection</td>
<td>April 2018 – February 2019</td>
</tr>
<tr>
<td>Analysis of the information</td>
<td>March – April 2019</td>
</tr>
<tr>
<td>Final Report</td>
<td>May 2019</td>
</tr>
<tr>
<td>Training and communication activities</td>
<td>August – September 2019</td>
</tr>
</tbody>
</table>

**Challenges faced**
- Willingness of private companies to share data
- Confidential treatment of data provided
- Time allocated by shipping companies to complete PP2 format and report it to MARAD and MTCC

**Future challenges expected**
- .... same challenges
- Unknown quality of data provided
- Usefulness for statistical correlation
MTCC-Latin America - Pilot Project 2

PANAMA Maritime Authority (PMA)

Dirección General de Territorio Marítimo y Marina Mercante Nacional (DIRECTEMAR), CHILE

Dirección General de Capitanías y Guardacostas (DICAPI), PERU
MTCC-Latin America - Pilot Project 2

Mediterranean Shipping Company (MSC), SWITZERLAND

Carnival Cruises, USA
MTCC-Latin America - Pilot Project 2

Humboldt Shipmanagement, CHILE

Transoceanica, PERU

Transgas, PERU and USA (PANAMA)
Thank you!

(507) 520-0330

www.mtcclatinamerica.com

La Boca, 1033 Building
Panama, Republic of Panama

mtcclatinamerica@umip.ac.pa.