Connecting dots in Maritime Environment

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Snap Shot of Maritime Traffic

(marinetraffic.com)
## Container Traffic (TEU) across Trade Routes 2013 (Source: World Shipping Council)

<table>
<thead>
<tr>
<th>Route</th>
<th>West Bound</th>
<th>East Bound</th>
<th>North Bound</th>
<th>South Bound</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asia-North America</td>
<td>7,739,000</td>
<td>15,386,000</td>
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<td>23,125,000</td>
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<tr>
<td>Asia-North Europe</td>
<td>9,187,000</td>
<td>4,519,000</td>
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<td>13,706,000</td>
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<tr>
<td>Asia-Mediterranean</td>
<td>4,678,000</td>
<td>2,061,000</td>
<td></td>
<td></td>
<td>6,739,000</td>
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<tr>
<td>Asia-Middle East</td>
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<td>1,314,000</td>
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<td>5,014,000</td>
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<tr>
<td>North Europe-North America</td>
<td>2,636,000</td>
<td>2,074,000</td>
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<td>4,710,000</td>
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<tr>
<td>Australia-Far East *</td>
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<td>1,851,263</td>
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<td></td>
<td>2,923,279</td>
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<td>Asia-East Coast South America</td>
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<td>1,510,000</td>
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<td>2,131,000</td>
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<tr>
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<td>885,000</td>
<td></td>
<td></td>
<td>1,680,000</td>
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<tr>
<td>North America-East Coast South America</td>
<td>656,000</td>
<td>650,000</td>
<td></td>
<td></td>
<td>1,306,000</td>
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</tbody>
</table>
Maritime Activity

- Container Port Throughput in 2016-701.42 million TEU (687.71 million in 2015)- UNCTAD

- Cruise industry generated an estimated revenue of $39.6 billion in 2015

- Passenger capacity in Cruise market reached 466,000 in 2016; expected to be 521,000 in 2018

- More than 10,000 Yachts of 100 feet or more in US alone. Millions of recreational boats
Challenges to Connecting dots

• Differing legislative frame works:
• Differing National Priorities in Border Security, Trade facilitation and Revenue collection
• Organizational issues of lack of Co-ordination among different Border Security and Trade Facilitation agencies
• Infrastructure inadequacies of varying degrees
• Capacity building challenges
• Varied levels of technology interventions and incompatible systems nationally, regionally and internationally
• Resource constraints to leverage latest technology to enhance efficiencies and effectiveness in border security, trade facilitation and revenue collections
Caribbean Context
Collaborative efforts in the Caribbean

- Caribbean Law Enforcement Council (CCLEC)
- CCLEC’s RCS and SailClear
- CARICOM IMPACS-JRCC
- APIS/PNR
- ACIS-Advance Cargo Information System
SAFE Framework of WCO

- Three Pillars plus various tools and guidance
- This should be the backbone to connecting the dots
- Appropriate Technologies to be leveraged
Leveraging Technology

- Data Analytics
- Artificial Intelligence
- Blockchain Technology
The Mantra

- WCO SAFE framework to be the underlying back bone
- Selection of appropriate technology after evaluating the various IT related risks
- Advocacy for Customs administration to active partners in Border security operations
Conclusion

- Borders divide, but Customs connects and therefore,
- Dynamically leading the modernization and connectivity in a rapidly changing world
Thank You

Questions time!!!