Data collaboration in ports and maritime supply chains

MEDPorts Forum – 7 July 2022
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The ‘smart port’ concept

Source: Deloitte (2017)
### The basics: IMO FAL requirements

How would you describe the status of implementing electronic data exchange at your port(s) following the IMO FAL requirement?

<table>
<thead>
<tr>
<th>Answer choices</th>
<th>Responses %</th>
<th>Responses actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>No action yet / inception stage</td>
<td>31.53%</td>
<td>35</td>
</tr>
<tr>
<td>Design stage</td>
<td>17.12%</td>
<td>19</td>
</tr>
<tr>
<td>Implementation stage</td>
<td>17.12%</td>
<td>19</td>
</tr>
<tr>
<td>Operational stage</td>
<td>34.23%</td>
<td>38</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>111</strong></td>
</tr>
</tbody>
</table>

Source: IAPH (2020)
Single window for ship data exchange to become mandatory
Roadmap to accelerate maritime digitalisation

Port call optimisation

What the ultimate port customer wants

| Speed                     | Vessel arrival – discharge – availability  
|                          | Empty release – empty receiving           
|                          | Grey pool chassis access                  
|                          | Connectivity: rail, inland waterways, dry ports |
| Predictability           | Vessel working schedules                   
|                          | Cargo receiving windows                    
|                          | Cargo availability dates                   
|                          | Appointment systems                        
|                          | Gate hours                                 
|                          | Fees                                      |
| Alignment with cargo owner experience | Service delivery in context               
|                          | Customs and government agency activity     
|                          | Local circumstances                        
|                          | Weather effects                            
| Go-to for exception handling | Clarity in roles and responsibilities    
|                          | Co-ordination with service partners        
|                          | Escalation                                 
|                          | Record-keeping and follow-through          |

Source: IAPH / Lori Fellmer (2022)
Cybersecurity

IAPH Cybersecurity Guidelines for Ports and Port Facilities
Version 1.0

Source: IAPH (2021)
Thank you!

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