Lost Containers from Shipping

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KIMO International
## Maritime accidents involving cargo ships

(incomplete list)

<table>
<thead>
<tr>
<th>Year</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>01/14 Burning oil tanker sinks off China after one week 01/07 Tanker and ship collision near Shanghai leaves 32 missing</td>
</tr>
<tr>
<td>2017</td>
<td>09/12 Tanker, dredger collide in Singapore waters, 5 missing 06/16 USS Fitzgerald crash: 7 navy crew missing off Japan 04/02 Stellar Daisy: Growing concern for missing ship crew</td>
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<tr>
<td>2016</td>
<td>11/19 15 missing after collision between Vietnamese freighter and Indonesian sailboat 07/25 Ship hits wall of Panama Canal renewing design concerns 02/01 Rescuers tow capsized cargo ship before it hits French coast 01/31 Experts in last attempt to salvage drifting ship off France</td>
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<tr>
<td>2015</td>
<td>12/16 Six missing after tanker collision in Singapore Strait 11/23 Drunk Russian sailor crashes 7,000-ton ship into Scotland 10/31 Missing ship: El Faro found by search team 10/04 Missing ship: Oil and debris found in hunt for El Faro 08/28 Barge tips, vessels fall into Victoria harbor 05/03 Costa Rica shipwreck sparks toxic chemical spill alert 02/11 Union says 3 dead in Brazil oil ship explosion 01/22 U.S. naval ship grounded off Japanese coast 01/04 Bodies of sunken Norwegian ship's captain, deputy identified 01/04 8 missing after cargo ship capsizes off Scotland</td>
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<tr>
<td>2014</td>
<td>12/28 Turkish cargo ship sinks in Adriatic Sea, 2 dead 10/17 Container ship towed away from Canadian coast 04/03 South Korea says 2 North Korean cargo ship crew members dead, 11 missing 02/21 Ship loses more than 500 containers in heavy seas</td>
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<tr>
<td>2013</td>
<td>11/17 Fire traps 32 crew on Danish cargo ship 05/08 Deaths as ship rams Genoa tower</td>
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<tr>
<td>2012</td>
<td>12/05 Rescue under way after ships collide in North Sea 03/04 U.S. Navy rescues Iranian in capsized boat 01/14 Deadly explosion on S Korean ship 01/07 Stricken NZ cargo ship breaks up</td>
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<tr>
<td>2011</td>
<td>11/26 Six missing in Irish Sea sinking 11/22 7 missing after South Korean ship sinks 10/10 NZ ship oil spill 'significant' 10/10 Spill NZ 'worst marine disaster' 10/09 NZ races to empty oil spill ship</td>
</tr>
<tr>
<td>2010</td>
<td>12/04 10 sailors missing after cargo ship sinks 09/05 Number of missing after boat capsizes 04/04 Ship aground near Great Reef off course 04/03 Alert over oil leak on Great Barrier Reef 03/04 Baltic Sea ice traps passenger, cargo ships</td>
</tr>
<tr>
<td>2009</td>
<td>12/21 UN ends search for ship survivors 12/17 Dozens missing as ship sinks 03/09 Freighter in collision may have sunk</td>
</tr>
<tr>
<td>2008</td>
<td>05/11 Relief boat sinks, leaving aid in river 01/30 15 die as ships collide on Yangtze</td>
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<tr>
<td>2007</td>
<td>07/24 Crew start leaving listing ship 02/08 Ship blocks Suez Canal</td>
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</tbody>
</table>
Some facts.....

• 1994-2019 **16,635** containers were lost at sea

• **432** were recovered – just **2.6%**

• **1390** – number of containers lost each year at sea

• 1994-2019 – **750** ship accidents

Surfrider Europe 2019
Causes of container loss

• Mis-labeling and mis-declaration
• Inaccurate weight information, improper loading
• Faulty/broken connections between containers
• Lack of implementation/enforcement of existing legislation
Lost containers photographed at a depth of 126 metres
Municipalities for Sustainable Seas

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International examples

https://www.porttechnology.org/news/how_rubber_ducks_reveal_the_ocean_currents

1992: Rubber ducks on the way from the US to Hongkong


1997: Cornwall loss of lego pieces

→

in 2014 still washing a shore


2017: Kinder Surprise eggs washing up on the German Wadden Sea island of Langeoog
Social & economic impact - MSC Zoë
Route of the MSC ZOE

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Lucky?

Lost Containers from Shipping
Defining standards

• Legislative solutions only partial
• Need to establish a common, binding framework
• Environmental Liability Directive does not adequately link environmental damage to lost containers
• No compensation or liability scheme in place
Future risks

- Frequency of stormy weather due to climate change increasing
- Container transport via sea increasing
- Container ships are getting bigger and faster
- Traffic routes are becoming more crowded
KIMO calls for:

the establishment of a Convention on Liability and Compensation for Damage in Connection with the Carriage of Non-Toxic Substances including strict liability on ship owners for pollution from their vessels, compulsory insurance for all vessels and a reserve fund to cover any shortfalls in compensation

(KIMO Resolution 1/05)
KIMO Resolution 1/08

• Ensure adequate load planning is implemented and enforced

• Ensure full transparency on container losses
KIMO Resolution 1/08

- Attach automatically activated beacons to all containers to facilitate retrieval
- Review the construction criteria for containers with regard to current stacking heights
Municipalities for Sustainable Seas

KIMO Resolution 1/08

• Review specifications and maintenance regimes for the twistlocks that attach containers

• Introduce financial penalties and compensation regimes – the polluter pays!
Lost Containers from Shipping

Thank you!
kimointernational.org