

INTERNATIONAL MARITIME ORGANIZATION

MARITIME KNOWLEDGE CENTRE (MKC) *“Sharing Maritime Knowledge”*

CURRENT AWARENESS BULLETIN

March 2018

www.imo.org

[Maritime Knowledge Centre \(MKC\)](#)

maritimeknowledgecentre@imo.org



About the MKC Current Awareness Bulletin (CAB)

The aim of the **MKC Current Awareness Bulletin (CAB)** is to provide a digest of news and publications focusing on key subjects and themes related to the work of IMO. Each CAB issue presents headlines from the previous month. For copyright reasons, the *Current Awareness Bulletin (CAB)* contains brief excerpts only. Links to the complete articles or abstracts on publishers' sites are included, although access may require payment or subscription.

The MKC *Current Awareness Bulletin* is disseminated monthly and issues from the current and the past years are free to download from this [page](#).

[Email us](#) if you would like to receive email notification when the most recent Current Awareness Bulletin is available to be downloaded.

The MKC Current Awareness Bulletin (CAB) is compiled by the Maritime Knowledge Centre and is not an official IMO publication. Inclusion does not imply any endorsement by IMO.

Table of Contents

IMO NEWS & EVENTS	2
UNITED NATIONS	3
CASUALTIES.....	4
ENVIRONMENT	9
ENVIRONMENTAL POLLUTION	12
HEALTH & SAFETY	13
IMO	13
LAW & POLICY.....	17
MARINE TECHNOLOGY.....	22
MARITIME EDUCATION & TRAINING	25
MARITIME SAFETY	25
MARITIME SECURITY	26
MIGRANTS	28
NAVIGATION & COMMUNICATIONS.....	29
PIRACY.....	32
PORT STATE CONTROL.....	32
PORTS & HARBOURS.....	33
REGULATIONS	35
SALVAGE	37
SEAFARERS	38
SEARCH & RESCUE	40
SHIP RECYCLING	40
SHIPBUILDING & SHIPREPAIR	41
SHIPPING.....	43
RESEARCH.....	50

IMO NEWS & EVENTS

WHAT'S NEW

Energy efficiency in shipping - why it matters!

All industries are looking to becoming cleaner, greener and more energy efficient – and shipping is no exception. Improved energy efficiency means less fuel is used, and that means less harmful emissions.

The International Maritime Organization (IMO) – the United Nations specialized agency with responsibility for safe, secure and environment-friendly shipping - is leading a European Union funded project designed to help shipping move into a new era of low-carbon operation.

IMO has launched a [video](#) outlining how the Global MTCC Network (GMN) initiative is uniting technology centres – Maritime Technology Cooperation Centres (MTCCs) – in targeted regions into a global network. Together, they are promoting technologies and operations to improve energy efficiency in the maritime sector. [Full Story](#)

IMO MEETINGS FOR 2018

Sub-Committee on Ship Systems and Equipment (SSE)

5th session, 12/03/2018 – 16/03/2018

RECENT SPEECHES BY IMO SECRETARY-GENERAL KITACK LIM

Intersessional Working Group on Reduction of GHG Emissions from Ships
3rd Meeting, 3 - 6 April 2018 [Opening Remarks](#)

IMO PRESS BRIEFINGS

UN maritime organization celebrates 70 years with Her Majesty Queen Elizabeth II

Briefing: 04, March 6, 2018

MARPOL amendments enter into force - ship fuel oil reporting requirements, garbage classification and IOPP certificate

Briefing: 03, March 5, 2018

IMO NEWS MAGAZINE [\(Winter 2017\)](#)

IMO PUBLISHING [Just Published: 2018](#) [March 2018 Newsletter](#)

UNITED NATIONS

With proposed reforms, UN closer than ever to a development system that is 'fit for purpose'. *UN News*. 27 February 2018. Available from: <https://news.un.org/en/story/2018/02/1003712> In his address to the opening of the annual operational segment of the Economic and Social Council (ECOSOC), Mr. Guterres warned that the world is facing a crisis of legitimacy, confidence and trust, rooted in legitimate fears.

UN chief appoints former New York Mayor as Special Envoy for Climate Action. *UN News*. 5 March 2018. Available from: <https://news.un.org/en/story/2018/03/1004152> "[Mr. Bloomberg's actions have] has made an enormous difference, and makes us believe that we will soon be running faster than climate change, that we will soon be starting to defeat climate change, that the Paris Agreement [on climate change] can be fully implemented but with an enhanced ambition," Secretary-General Guterres told reporters at UN Headquarters in New York.

Secretary-General's remarks at Signing Ceremony of a New Maritime Boundary Agreement between Australia and Timor-Leste [as delivered]. *United Nations*. 6 March 2018. Available from: <https://www.un.org/sg/en/content/sg/statement/2018-03-06/secretary-generals-remarks-signing-ceremony-new-maritime-boundary> This ceremony demonstrates the strength of international law and the effectiveness of resolving disputes through peaceful means.

On International Women's Day, UN celebrates the power of activism to bring change for 'sisterhood of humanity'. *UN News*. 8 March 2018. Available from: <https://news.un.org/en/story/2018/03/1004512> Alongside Ms. Mlambo-Ngcuka in the UN General Assembly Hall, American actor and producer Reese Witherspoon highlighted that the movement for women's rights will continue until it achieves its goals.

Brazil designates two new marine protected areas, surpassing biodiversity targets. *United Nations Environment Programme (UNEP)*. 21 March 2018. Available from: <https://www.unenvironment.org/news-and-stories/press-release/brazil-designates-two-new-marine-protected-areas-surpassing> Brazilian government has designated two new marine protected areas around the São Pedro and São Paulo archipelagos and the submarine volcanic chain that connects the Trindade island to the Martin Vaz archipelago.

State of Climate in 2017 - Extreme weather and high impacts. *World Meteorological Organization* 22 March 2018. Available from: <https://public.wmo.int/en/media/press-release/state-of-climate-2017-%E2%80%93-extreme-weather-and-high-impacts> The very active North Atlantic hurricane season, major monsoon floods in the Indian subcontinent, and continuing severe drought in parts of east Africa contributed to 2017 being the most expensive year on record for severe weather and climate events.

On International Day, UN chief urges greater protection for Organization's staff. *UN News*. 25 March 2018. Available from: <https://news.un.org/en/story/2018/03/1005911> "Whether in their countries of origin or far from their families and homes, United Nations personnel work tirelessly to help the world's most vulnerable," Mr. Guterres said in his message on the International Day of Solidarity with Detained and Missing Staff Members.

CASUALTIES

Latest pilot death prompts urgent safety call. By Sam Chambers. *Splash 247.com*. 2 March 2018. Available from: <http://splash247.com/latest-pilot-death-prompts-urgent-safety-call/> The sad news of yet another pilot death earlier this week has prompted calls again for all stakeholders to fully engage in trying to improve the standard of pilot transfer arrangements that are being used on a daily basis.

Coast Guard: Containership loses about 70 containers overboard off U.S. East Coast. By Mike Schuler. *gCaptain*. 4 March 2018. Available from: <http://gcaptain.com/containership-loses-about-70-containers-overboard-off-us-east-coast/> A 10,000 TEU containership lost about 70 containers overboard on Saturday night while about 17 miles off Oregon Inlet, North Carolina.

MSC Containership Collides with RoRo in the Netherlands. By Mike Schuler. *gCaptain*. 5 March 2018. Available from: <http://gcaptain.com/msc-containership-collides-with-ro-ro-in-the-netherlands/> Authorities in the Netherlands are investigating a collision involving an MSC containership and a DFDS roll-on/roll-off cargo ship over the weekend.

Container ships in collisions and maritime accidents. By Martyn Wingrove. *Marine Electronics & Communications*. 5 March 2018. Available from: http://www.marinemec.com/news/view/container-ships-in-collisions-and-maritime-accidents_50983.htm Container ships have been at the centre of a series of ship collisions and maritime accidents since the start of March.

The *MV Herald of Free Enterprise* capsized 30 years ago today. *gCaptain*. 6 March 2018. Available from: <http://gcaptain.com/the-ms-herald-of-free-enterprise-capsized-30-years-ago-today/> Today, March 6, 2017, marks 30 years since the capsizing of car and passenger ferry *Herald of Free Enterprise* with loss of 193 people off the Belgian coast, which led to new international regulations and the formation of the Marine Accident Investigation Branch (MAIB).

Zeebrugge ferry disaster marked 30 years on. *BBC News*. 6 March 2018. Available from: <http://www.bbc.co.uk/news/uk-england-39177104> The *Herald of Free Enterprise* capsized on 6 March 1987, resulting in the deaths of 193 passengers and crew.

Maersk Line boxship suffers 'serious' fire in Arabian Sea. By Dale Wainwright and Gary Dixon. *TradeWinds*. 7 March 2018. Available from: <http://www.tradewindsnews.com/casualties/1447510/maersk-line-boxship-suffers-serious-fire-in-arabian-sea> A brand new Maersk Line containership has suffered what has been described as a "serious fire" while transiting the Arabian Sea.

Serious fire on Maersk Line container vessel in the Arabian Sea. *Maersk*. 7 March 2018. Available from: <https://www.maerskline.com/news/2018/03/07/serious-fire-on-maersk-line-container-vessel-in-the-arabian-sea> Tuesday 6 March 2018 at 15:20 GMT, the Maersk liner vessel *Maersk Honam* reported a serious fire in a cargo hold.

Container ship with 13 Indians on board catches fire near Lakshadweep, Indian Coast Guard rushes aid. *Indian Express*. 7 March 2018. Available from: <http://indianexpress.com/article/cities/mumbai/maersk-line-says-four-missing-after-container-vessel-catches-fire/> Firefighting is underway at a Singapore flagged container vessel, which caught fire at sea near Agatti Island in Lakshwadeep Islands on Tuesday night.

Four crew missing from giant fire-stricken Maersk boxship. *World Maritime News*. 7 March 2018. Available from: <https://worldmaritimeneews.com/archives/246607> After being unsuccessful in their firefighting efforts, the crew sent out a distress signal and 23 of a total of 27 crew members were evacuated to the nearby vessel *ALS Ceres*, which arrived at the scene.

Hope dwindles in search for missing seafarers after *Maersk Honam* fire. By Ole Andersen.

ShippingWatch. 8 March 2018. Available from:

<https://shippingwatch.com/secure/carriers/Container/article10390509.ece> Despite large-scale search and rescue efforts by numerous vessels and the Indian coast guard, chances of finding the four missing seafarers from burning container ship *Maersk Honam* alive are dwindling, says Maersk in an update Thursday afternoon CET.

Hope fades for missing Maersk crew. By Gary Dixon. *TradeWinds*. 8 March 2018.

Available from: <http://www.tradewindsnews.com/casualties/1449253/web-tv-hope-fades-for-missing-maersk-crew> AP Moller-Maersk has said hope is fading for four seafarers missing after a fire on the *Maersk Honam* 340 miles from India's Lakshadweep Islands.

One evacuated crew member has passed away. *Maersk*. 8 March 2018. Available from:

<https://www.maerskline.com/news/2018/03/08/serious-fire-on-maersk-line-container-vessel> Maersk Line yesterday night reported a serious fire in one of the cargo holds onboard *Maersk Honam*.

Indian among 4 missing 24 hours after fire on ship. By Narayan Namboodiri. *Times of India*.

8 March 2018. Available from: <https://timesofindia.indiatimes.com/city/mumbai/indian-among-4-missing-24-hrs-after-fire-on-ship/articleshow/63209153.cms> A seafarer from Karnataka and three foreign nationals are feared dead after all 27 crew members of a merchant ship, *Maersk Honam*, jumped into the Arabian Sea, about 800 nautical miles off Mumbai, following a major fire on Tuesday.

Boeing P8i launched to find missing crew members of Maersk Container. *New Indian Express*.

7 March 2018. Available from: <http://www.newindianexpress.com/nation/2018/mar/07/boeing-p8i-launched-to-find-missing-crew-members-of-maersk-container-1783495.html> The Indian Navy Boeing P8i was launched on Wednesday from Tamil Nadu's Arakkonam to look for the four missing crew members of Maersk Container.

USS *John S McCain* collision in Singapore waters due to 'sudden turn' by US warship, says MOT. *Channel News Asia*. 8 March 2018. Available from:

<https://www.channelnewsasia.com/news/singapore/uss-john-s-mccain-collision-investigation-report-10024870> A collision between US Navy destroyer *USS John S McCain (JSM)* and an oil tanker in Singapore territorial waters on Aug 21 was due to a "sudden turn to the left" made by the warship.

Safety investigation into collision between *Alnic MC* and the *USS John S McCain* in Singapore territorial waters on 21 August 2017. *Government of Singapore*. 8 March 2018. Available from:

<https://www.mot.gov.sg/docs/default-source/default-document-library/collision-between-alnic-mc-and-uss-john-s-mccain-21-august-2017fbb8a9e0d243486a903b817f70996233.pdf> In the pre-dawn hours of 21 August 2017, the Liberian-registered *Alnic MC* and the US Naval vessel *USS John S McCain* collided in the westbound lane of the Singapore Strait, in Singapore territorial waters.

Hope fades for finding the missing seafarers after the fire onboard *Maersk Honam*. *Maersk*.

8 March 2018. Available from: <https://www.maersk.com/press/press-release-archive/hope-fades-for-finding-the-missing-seafarers-after-the-fire-onboard-maersk-honam> The nationalities of the four missing crew members are: two Filipinos, One South African and one Indian.

Toxic fumes affect container ship *Maersk Honam* crew. *The Hindu (India)*. 8 March 2018.

Available from: <http://www.thehindu.com/news/national/toxic-fumes-affect-container-ship-maersk-honam-crew/article22986244.ece> A Thai national, who was among the 23 seamen rescued from the container ship *Maersk Honam* that caught fire in the Arabian Sea off the Lakshadweep coast, has died, authorities said on Thursday.

Fire prevention in the dock after *Maersk Honam* inferno. By Janet Porter. *Lloyd's List*.

8 March 2018. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1121750> Moving the bridge and accommodation block towards the fore of large boxships was designed to provide better sight lines for the crew over huge stacks of containers.

Six metres of water in bulker engine room. By Gary Dixon. *TradeWinds*. 9 March 2018.

Available from: <http://www.tradewindsnews.com/casualties/1449776/six-metres-of-water-in-bulker-engine-room> A Hong Kong-controlled bulker has suffered serious water ingress off Finland.

Fire continues to rage on *Maersk Honam*. By Sam Chambers. *Splash 247.com*. 9 March 2018.

Available from: <http://splash247.com/fire-continues-rage-maersk-honam/> Four crew remain missing in the Arabian Sea following Tuesday's fire on the 15,000 teu *Maersk Honam* boxship.

***Maersk Honam* joins a growing list of horrific containership fires. By Marcus Hand.**

Seatrade Maritime News. 9 March 2018. Available from: <http://www.seatrade-maritime.com/news/europe/maersk-honam-joins-a-growing-list-of-horrific-containership-fires.html> While the cause of the fire onboard the 15,262 teu *Maersk Honam* remains unknown Maersk Line say it started in the cargo hold, implying the fire started somewhere in the vessel's cargo.

Tugs tackle fatal ship fire and assist damaged ships. By Martyn Wingrove.

Tug Technology & Business. 9 March 2018. Available from: http://www.tugtechnologyandbusiness.com/news/view.tugs-tackle-fatal-ship-fire-and-assist-damaged-ships_51058.htm Tugs are tackling a major ship fire in the Indian Ocean after 22 crew were evacuated.

Maersk confirms another three casualties from *Honam* fire. By Daniel Logan Berg-Munch and Louise Vogdrup-Schmidt. *ShippingWatch*. 12 March 2018. Available from:

<https://shippingwatch.com/secure/carriers/article10401224.ece> Maersk Line now confirms that the company has found the human remains of three of the four crew members missing after the fire on board container ship *Maersk Honam*.

Remains of three out of four of the missing crew members found onboard *Maersk Honam*.

Maersk. 12 March 2018. Available from: <https://www.maersk.com/press/press-release-archive/remains-of-three-out-of-four-of-the-missing-crew-members-found-onboard-maersk-honam> Given the time passed and the severe fire damages of the vessel we must conclude by now that we have lost all four colleagues who have been missing since the fire onboard *Maersk Honam* which began on 6 March.



Two halves of *Kea Trader* smashed together. By Gary Dixon. *TradeWinds*. 13 March 2018.

Available from: <http://www.tradewindsnews.com/casualties/1451363/two-halves-of-kea-trader-smashed-together> Two heavy cyclones in the South Pacific have forced the separate sections of the grounded boxship *Kea Trader* together.

Insurers brace for multi-million-dollar claims as *Maersk Honam* is towed to port.

By Mike Wackett. *The Loadstar*. 13 March 2018. Available from: <https://theloadstar.co.uk/insurers-brace-multi-million-dollar-claims-maersk-honam-towed-port/> The insurance industry is bracing itself for hundreds of millions of dollars of claims from the biggest container vessel casualty to date – but some shippers will not have been insured.

Accident Investigation Report 3/2018: Collision between general cargo ship *Saga Sky* and barge *Stema Barge II* resulting in subsea power cables damage. *UK Marine Accident Investigation Branch (MAIB)*. 15 March 2018. Available from:

<https://www.gov.uk/maib-reports/collision-between-general-cargo-ship-saga-sky-and-barge-stema-barge-ii-resulting-in-subsea-power-cables-damage> On 20 November 2016 at about 0850, the general cargo ship *Saga Sky* collided with the rock carrying barge *Stema Barge II* approximately 2 miles off the south coast of the UK. [Report](#)  [Annexes](#) 

Contradicting statements on Phoenix sinking. By Aqela Susu. *Fiji Times*. 16 March 2018. Available from: <http://fijitimes.com/story.aspx?id=438130> Contradicting statements by stakeholders on the sinking of the *MV Southern Phoenix* has prompted another round of interviews.

Maersk Line changes dangerous cargo procedures after Honam fire. By Gretchen Pedersen. *ShippingWatch*. 16 March 2018. Available from: <https://shippingwatch.com/secure/carriers/Container/article10420817.ece> Soon it will be time to tow *Maersk Honam* to land, maybe to India, and the initial investigations have also begun into why the fire started.

Marine Investigation Report M17A0004: Grounding, Bunkering tanker Arca 1, Nova Scotia, 08 January 2017. *Transportation Safety Board of Canada*. 19 March 2018. Available from: <http://www.bst-tsb.gc.ca/eng/rapports-reports/marine/2017/m17a0004/m17a0004.asp> The Transportation Safety Board of Canada (TSB) investigated this occurrence for the purpose of advancing transportation safety.

Fire in container underdeck onboard the vessel Maersk Kensington. All crew are safe and the fire is contained. *Maersk*. 16 March 2018. Available from: <https://www.maerskline.com/news/2018/03/16/fire-in-container-underdeck-onboard-the-vessel-maersk-kensington> On Thursday, 16 March 2018 at 20:50 EST, the *Maersk Kensington*, a vessel owned and operated by our U.S. subsidiary Maersk Line, Limited (MLL), reported a container on fire in a cargo hold while en route from Salalah, Oman, towards Suez.

Dramatic boxship collision in Karachi caught on video. By Grant Rowles. *Splash 247.com*. 20 March 2018. Available from: <http://splash247.com/dramatic-boxship-collision-in-karachi-caught-on-video/> 📺 A video taken by a port worker has gone viral on social media, showing the remarkable moment when 8,000 teu Hapag-Lloyd boxship *Tolten* scraped the side of 6,350 teu *Hamburg Bay* yesterday at South Asia Pakistan Terminal (SAPT) in Karachi.

Probe starts after death on CTM bulker. By Gary Dixon. *TradeWinds*. 20 March 2018. Available from: <http://www.tradewindsnews.com/casualties/1455655/probe-starts-after-death-on-ctm-bulker> Canadian investigators have sent a team to Quebec to investigate the death of a seafarer on a C Transport Maritime-managed bulker.

SCDF puts out oil storage tank fire on Pulau Busing after 'intense' 6-hour battle. By Lydian Lam. *Straits Times*. 20 March 2018. Available from: <http://www.straitstimes.com/singapore/fire-breaks-out-at-pulau-busing> 📺 A blaze involving an oil storage tank on Pulau Busing, off the south-western coast of Singapore, was finally extinguished on Tuesday night (March 20) after six hours of what the Singapore Civil Defence Force (SCDF) described on Facebook as "intense firefighting operations".

Cargo ship turned over and adrift in English Channel after collision. By Mike Schuler. *gCaptain*. 20 March 2018. Available from: <http://gcaptain.com/cargo-ship-turned-over-adrift-in-english-channel-after-collision/> An 82-meter long cargo ship has capsized and is now turned over and adrift in the English Channel after it collided with a fishing vessel on Tuesday.

Seafarer goes missing from Vroon's livestock carrier, ITF hints at foul play. *World Maritime News*. 21 March 2018. Available from: <https://worldmaritimeweb.com/archives/247710/seafarer-goes-missing-from-vroons-livestock-carrier-itf-hints-at-foul-play/> The mariner apparently went missing on March 13, 2018, in what was described as "man overboard" incident, while the flag of convenience ship was bound for Australia.

Chinese sand-dredger capsizes off Muar; 1 dead, 14 believed alive in sunken hull [NSTTV].

New Straits Times Online (Malaysia). 21 March 2018. Available from:

<https://www.nst.com.my/news/nation/2018/03/347671/chinese-sand-dredger-capsizes-muar-1-dead-14-believed-alive-sunken-hull> 📰 One crew member was killed and 14 others, most of them Chinese,

were missing Wednesday after a sand-dredging vessel capsized off Muar, Johor with some believed trapped alive inside the sunken hull.

(Update) Capsized sand-dredger: SAR operation continues despite rough seas [NSTTV].

New Straits Times Online (Malaysia). 21 March 2018. Available from:

<https://www.nst.com.my/news/nation/2018/03/347896/update-capsized-sand-dredger-sar-operation-continues-despite-rough-seas> 📰 The search and rescue (SAR) operation for the missing crew of a

Chinese sand-mining vessel which capsized off Parit Jawa near here will continue despite strong winds and rough seas.

Overtaken cargo ship in tow in the English Channel. By Eric Hau. *MarineLink.Com*.

21 March 2018. Available from: <https://www.marinelink.com/news/overtaken-english435376>

The hull of an overturned cargo ship that collided with a fishing vessel is being towed out of the way of shipping lanes in the English Channel.

Maersk Honam to be towed to Jebel Ali. By Gary Dixon. *TradeWinds*. 22 March 2018.

Available from: <http://www.tradewindsnews.com/liner/1458136/maersk-honam-to-be-towed-to-jebel-ali> The fire-damaged *Maersk Honam* is to be towed to Jebel Ali in the UAE.

DNV GL warns against towage used in Maersk wreck. By Nilas Krigslund. *ShippingWatch*.

22 March 2018. Available from: <https://shippingwatch.com/secure/Offshore/article10431643.ece>

One of the world's biggest quality assurance and risk management companies, DNV GL, does not recommend towing vessels side by side as was done by Maersk Supply Service in relation to a shipwreck in 2016.

Exxon Valdez: 29 years later. By Andrew Hartsig and Chris Robbins. *Ocean Conservancy*.

22 March 2018. Available from: <https://oceanconservancy.org/blog/2018/03/22/exxon-valdez-29-years-later/> Some anniversaries are somber, not celebratory.

Two days after collision, capsized cargo ship arrives pier side in Le Havre. By Mike Schuler.

gCaptain. 22 March 2018. Available from: <http://gcaptain.com/two-days-after-collision-capsized-cargo-ship-arrives-pier-side-le-havre/> The wreck of the cargo ship *Britannica HAV* has been tied to a dock at the port of Le Havre now two days after the ship capsized after a collision with a fishing vessel.

Ferry carrying 163 people runs aground, all rescued. *Yonhap News Agency (South Korea)*.

25 March 2018. Available from:

<http://english.yonhapnews.co.kr/search1/2603000000.html?cid=AEN20180325006552315>

A passenger ship carrying 163 people became stuck on rocks in waters off South Korea's southwestern coast Sunday, but all on board were rescued, the Coast Guard said.

Maersk and MSC vessels involved in yet another accident. By Sam Chambers.

Splash 247.com. 26 March 2018. Available from: <http://splash247.com/maersk-and-msc-vessels-involved-in-yet-another-accident/> 📰 The accident-prone partners of the 2M alliance have been

involved in another smash.

Eight rescued after longliner sinks off Hawaii. *Maritime Executive*. 27 March 2018.

Available from: <https://www.maritime-executive.com/article/eight-rescued-after-longliner-sinks-off-hawaii> On Monday, the fishing vessel *Princess Hawaii* went down about 400 miles north of the island of Hawaii.

Blast in Italian port kills two men. By Steve Scherer. *Reuters*. 28 March 2018. Available from: <https://www.reuters.com/article/us-italy-explosion/blast-in-italian-port-kills-two-men-idUSKBN1H42AI?il=0> An explosion at an industrial cistern in the Tuscan port of Livorno, one of Italy's biggest passenger and commercial harbors, killed two people on Wednesday, an official said.

Freighter and boxship collide off Denmark. *Maritime Executive*. 28 March 2018. Available from: <https://maritime-executive.com/article/freighter-and-boxship-collide-off-denmark#gs.hiWByl8> On Tuesday, the 25,000 dwt container ship *Delphis Gdansk* and the 37,000 dwt freighter *BBC Neptune* collided in the Great Belt near Kalundborg, Denmark.

Longshoreman killed during cargo ops at Port of Houston. *Maritime Executive*. 28 March 2018. Available from: https://www.maritime-executive.com/article/longshoreman-killed-during-cargo-ops-at-port-of-houston#gs.hj_p_GM On Tuesday morning, a longshoreman was killed in an accident during cargo operations on the geared bulker *Grebe Bulker* at the Port of Houston.

ENVIRONMENT

Fears for Arctic ecosystem as shipping milestone reached. *Transport & Environment*. 28 February 2018. Available from: <https://www.transportenvironment.org/news/fears-arctic-ecosystem-shipping-milestone-reached> A Norwegian ship has made the first-ever unassisted winter crossing of the Northern Sea Route.

United Arab Emirates Marine Environment Protection Association launched in Dubai. *Emirates News Agency (UAE)*. 28 February 2018. Available from: <http://wam.ae/en/details/1395302670997> The Dubai Council for Marine & Maritime Industries, DCMMI, announced its collaboration with the Hellenic Marine Environment Protection Association, HELMEPA, to establish the first of its kind non-profit United Arab Emirates Marine Environment Protection Association, UAEMEPA.

Uniqueness of Baltic Sea biodiversity highlighted in regional EBSA workshop. *Baltic Marine Environment Protection Commission (HELCOM)*. 28 February 2018. Available from: <http://www.helcom.fi/news/Pages/Uniqueness-of-Baltic-Sea-biodiversity-highlighted-in-regional-EBSA-workshop.aspx> The Regional Workshop to Facilitate the Description of Ecologically or Biologically Significant Marine Areas (EBSAs) in the Baltic Sea was held on 20-24 February 2018, in Helsinki, hosted by the Government of Finland and with financial support by Finland and Sweden.

Prince Albert of Monaco: 'Blue economy' must be a priority to conserve the ocean. By Hayley Dunning. *Imperial College London*. 1 March 2018. Available from: <http://www.imperial.ac.uk/news/185068/prince-albert-monaco-blue-economy-must/> HSH Prince Albert II of Monaco has advocated for ocean science and protection through several local and international schemes, including acting as International Patron for the UN 'Year of the Dolphin', helping to set up Marine Protected Areas in the Mediterranean, and forming the Prince Albert II of Monaco Foundation to protect the environment and to encourage sustainable development.

The color of climate change in Japan's Yaeyama archipelago . By Cameron Allan McKean. *Times of Japan*. 3 March 2018. Available from: <https://www.japantimes.co.jp/life/2018/03/03/environment/color-climate-change-japans-yaeyama-archipelago#.Wp17bmrFLb1> Viewed from a satellite, Japan's southern Yaeyama archipelago is a splatter of green blobs ringed in turquoise.

Why are the world's climate funds ignoring coral reefs? By Helena Wright. *Climate Home News*. 6 March 2018. Available from: <http://www.climatechangenews.com/2018/03/06/worlds-climate-funds-ignoring-coral-reefs/> With the Ocean Summit in Mexico 7-9 March, and with 2018 dubbed the International Year of the Reef, the world's coral reefs are getting extra attention.

International recognition of shipping noise impact on marine life sparks study.

Murdoch University (Australia). 7 March 2018. Available from:

<http://media.murdoch.edu.au/international-recognition-of-shipping-noise-impact-on-marine-life-sparks-study> Research on the measurement of shipping noise and its potential impact on whales and other marine animals has received funding under the Australian Government's National Environmental Science Program (NESP).

Bali's battle against plastic pollution. *BBC News*. 7 March 2018. Available from:

<http://www.bbc.co.uk/news/world-asia-43312464> The footage captured earlier this week by Rich Horner showed him swimming in Manta Point, a famous diving site about 20km from the popular tourist island.

World Summit of the Oceans 2019 to be held in Abu Dhabi. *By Nick Webster.*

The National (United Arab Emirates). 11 March 2018. Available from:

<https://www.thenational.ae/uae/world-summit-of-the-oceans-2019-to-be-held-in-abu-dhabi-1.712015> Helping a "blue economy" to thrive will be a key objective when the sixth edition of the World Summit of the Oceans comes to Abu Dhabi in 2019.

What is biodiversity and why does it matter to us? By Damian Carrington. *The Guardian*.

12 March 2018. Available from: <https://www.theguardian.com/news/2018/mar/12/what-is-biodiversity-and-why-does-it-matter-to-us> It is the variety of life on Earth, in all its forms and all its interactions.

Key biological mechanism is disrupted by ocean acidification. *J. Craig Venter Institute (US)*.

14 March 2018. Available from: <http://www.jcvi.org/cms/press/press-releases/full-text/article/key-biological-mechanism-is-disrupted-by-ocean-acidification/> A team led by scientists from Scripps Institution of Oceanography at the University of California and the J. Craig Venter Institute (JCVI) has demonstrated that the excess carbon dioxide added to the atmosphere through the combustion of fossil fuels interferes with the health of phytoplankton which form the base of marine food webs.

Coral reef experiment shows: Acidification from carbon dioxide slows growth.

Carnegie Institution for Science (US) 14 March 2018. Available from:

<https://carnegiescience.edu/news/coral-reef-experiment-shows-acidification-carbon-dioxide-slows-growth> Ocean acidification will severely impair coral reef growth before the end of the century if carbon dioxide emissions continue unchecked, according to new research on Australia's Great Barrier Reef led by Carnegie's Ken Caldeira and California Academy of Sciences' Rebecca Albright.

Editorial: Acoustical impact of ships and harbors: Airborne and underwater N&V pollution.

By Davide Borelli and Tomaso Gaggero. *Frontiers in Marine Science*. 16 March 2018. Available from: <https://www.frontiersin.org/articles/10.3389/fmars.2018.00083/full> Aim of this Frontiers research topic is to analyse the different aspects of the impact of noise emitted by human activities and ships in particular.

RightShip and CBL markets deliver carbon neutral shipping solution for Incitec Pivot Limited.

RightShip. 20 March 2018. Available from: <https://site.rightship.com/press-release/rightship-and-cbl-markets-deliver-carbon-neutral-shipping-solution-for-incitec-pivot-limited/> By marrying a carbon offset programme with its proprietary solution for measuring scope 3 emissions, RightShip, in partnership with CBL Markets, has assisted global diversified chemicals manufacturer Incitec Pivot Limited (IPL) to operate its shipping requirements as a carbon neutral activity.

Great Barrier Reef cruise ship 'close call' coupled with expected 250pc rise in traffic sparks concerns. *By Brendan Mounter and Kier Shorey.* *ABC (Australia)*. 20 March 2018.

Available from: <http://mobile.abc.net.au/news/2018-03-21/close-call-prompts-review-of-shipping-on-great-barrier-reef/9568194> Projections of a 250 per cent increase in shipping on the Great Barrier Reef over the next 20 years, coupled with a recent navigational infringement by a cruise ship, has prompted calls for a review of the marine park's maritime management.

South Africa and Norway pump R60-million (NOK 40-mil) funding into oceans and blue economy focused research. *South African Maritime Safety Authority (SAMSA)*. 22 March 2018.

Available from: <https://blog.samsa.org.za/2018/03/22/south-africa-and-norway-pump-r60-million-nok-40-mil-funding-into-oceans-and-blue-economy-focused-research/> This emerged a week ago during the release of a call to researchers, academics and students in both countries to file applications for funding under the programme, now in its fourth phase since about 16 years.

Global energy demand grew by 2.1% in 2017, and carbon emissions rose for the first time since 2014. *International Energy Agency (IEA)*. 22 March 2018. Available from:

[https://www.iea.org/newsroom/news/2018/march/global-energy-demand-grew-by-2.1-in-2017-and-carbon-emissions-rose-for-the-first-time.html](https://www.iea.org/newsroom/news/2018/march/global-energy-demand-grew-by-2.1-in-2017-and-carbon-emissions-rose-for-the-first-time) Global energy demand rose by 2.1% in 2017, more than twice the previous year's rate, boosted by strong global economic growth, with oil, gas and coal meeting most of the increase in demand for energy, and renewables seeing impressive gains. [Global Energy & CO2 Status Report: The latest trends in energy and emissions in 2017](#)

Arctic Ocean ice near record low for winter, boost for shipping. *By Alister Doyle and Timothy Gardner*. *Reuters*. 23 March 2018. Available from:

<http://news.trust.org/item/20180323183521-sce4o/> Winter sea ice on the Arctic Ocean covered the second smallest area on record this year, part of a thaw that is opening the region to shipping and oil exploration and may be disrupting weather far to the south, scientists said on Friday.

Arctic wintertime sea ice extent is among lowest on record *NASA*. 23 March 2018.

Available from: <https://www.nasa.gov/feature/goddard/2018/arctic-wintertime-sea-ice-extent-is-among-lowest-on-record> On March 17, the Arctic sea ice cover peaked at 5.59 million square miles (14.48 million square kilometers), making it the second lowest maximum on record, at about 23,200 square miles (60,000 square kilometers) larger than the record low maximum reached on March 7, 2017.

The government's marine park plans are diabolical for ocean protection. *By Jessica Meeuwig*.

The Guardian. 23 March 2018. Available from: <https://www.theguardian.com/commentisfree/2018/mar/24/the-governments-marine-park-plans-are-diabolical-for-ocean-protection> On 20 March, the environment minister, Josh Frydenberg, released the management plans for Australian Marine Parks "for all Australians", indicating that these plans demonstrate a "balanced and scientific evidence-based approach to ocean protection".

Study reveals likely stability of ocean processes despite climate change.

University of Tasmania (Australia). 28 March 2018. Available from: <http://www.imas.utas.edu.au/news/news-items/study-reveals-likely-stability-of-ocean-processes-despite-climate-change> The ocean is a major influence on the world's climate and must be included in modelling to predict future climate change.

ENVIRONMENTAL POLLUTION

Oil spill near China leaves scientists asking what's next for the environment. By Megan Jula. *Newsweek*. 28 February 2018. Available from: <http://www.newsweek.com/oil-spill-east-china-sea-environmental-damage-ocean-life-china-oil-spill-824457> 📄 The words "oil spill" may conjure images of black globs floating in the ocean and seabirds slick with ebony-colored gunk.

UPDATE 1: Unified Command responds to oil spill in Shuyak Strait, Alaska. *United States Coast Guard*. 28 February 2018. Available from: <https://content.govdelivery.com/accounts/USDHSCG/bulletins/1dea0cf> A Unified Command consisting of Coast Guard and Alaska Department of Environmental Conservation personnel, continues their response to an oil spill in Shuyak Strait, 49 miles north of Kodiak, but efforts have been hampered by inclement weather.

How oil spills are spotted in B.C. *Canadian Broadcasting Corporation (CBC)*. 4 March 2018. Available from: <http://www.cbc.ca/news/canada/british-columbia/how-oil-spills-are-spotted-in-b-c-1.4558459> 📄 Six days a week, a large red airplane scours British Columbia's coast — on the lookout for oil spills.

KPT establishes collective expertise for oil spill preparedness. *Pakistan Observer*. 5 March 2018. Available from: <https://pakobserver.net/kpt-establishes-collective-expertise-oil-spill-preparedness/> Karachi Port Trust (KPT) has worked over 7 decades to establish collective expertise for oil spill preparedness to secure safe shipping on clean oceans.

From foreign mussel to American bullfrog: A guide to invasive species in Singapore. By Audrey Tan. *Straits Times*. 5 March 2018. Available from: <http://www.straitstimes.com/singapore/environment/from-foreign-mussel-to-american-bullfrog-a-guide-to-invasive-species-in> 📄 Invasive mussels from the Americas have invaded the Republic's northern coast, spreading fast and forming dense mats that nature groups fear could have a negative impact on native animals here.

Ships in the English Channel have highest rate of sulphur violations in northern Europe. *EurekAlert!* 22 March 2018. Available from: https://www.eurekalert.org/pub_releases/2018-03/cuot-sit032118.php 📄 Researchers at Chalmers University of Technology have shown that between 87 and 98 percent of ships comply with the tougher regulations for sulphur emissions that were introduced in northern Europe in 2015.

Air is getting cleaner around Puget Sound ports even as greenhouse-gases emissions remain about the same. By Hal Bernton. *Seattle Times (US)*. 22 March 2018. Available from: <https://www.seattletimes.com/seattle-news/environment/you-can-breathe-cleaner-around-puget-sound-ports-report-finds/> The air is generally getting cleaner around Puget Sound ports, which over the decades have been a significant source of pollutants that increase the risk of respiratory problems and cancer.

Great Pacific garbage patch growing rapidly, study shows. *Ocean Cleanup*. 22 March 2018. Available from: <https://www.theoceancleanup.com/press/great-pacific-garbage-patch-growing-rapidly-study-shows> 📄 The Great Pacific Garbage Patch (GPGP), located halfway between Hawaii and California, is the largest accumulation zone for ocean plastics on Earth.

Small plastic beads finding their way into the food chain. *Times of Malta*. 26 March 2018. Available from: <https://www.timesofmalta.com/articles/view/20180326/local/small-plastic-beads-finding-their-way-into-the-food-chain.674389> Nurdles are on the beaches and inside marine animals, in our sewage and our beauty products.

HEALTH & SAFETY

New report indicates a quarter of seafarers show signs of depression. *Sailors' Society*. 28 March 2018. Available from: <https://www.sailors-society.org/about-us/press-room/wellness-conference-survey/> More than a quarter of seafarers show signs of depression - and many won't ask for help, according to a study of seafarers' mental health presented at Sailors' Society's Wellness at Sea conference on 16 March, London.

IMO

IMO 2020 Rule: Overview & Background. By Ralph Grimmer. *Ship & Bunker*. 1 March 2018. Available from: <https://shipandbunker.com/news/world/732551-imo-2020-rule-overview-background> The International Maritime Organization (IMO) is moving forward with a marked reduction in the global maximum sulfur content of marine fuel (aka bunker fuel oil) on January 1, 2020.

Hong Kong Pacific Basin Shipping dismisses using scrubbers to meet IMO 2020 rule. By Surabhi Sahu. *S&P Global Platts*. 1 March 2018. Available from: <https://www.platts.com/latest-news/shipping/singapore/hong-kong-pacific-basin-shipping-dismisses-using-27919203> Hong Kong's Pacific Basin Shipping -- one of the world's largest shipowner and operator of modern Handysize tonnage -- will likely opt for low sulfur fuel oil over scrubbers to comply with the International Maritime Organization's upcoming 0.5% global sulfur cap rule, the company said.

IMO is coming next year. *Island Sun (Solomon Islands)*. 1 March 2018. Available from: <http://theislandsun.com.sb/imo-coming-next-year/> IMO external auditors are interested in assessing how well this country is implementing obligations under maritime conventions it signed.

IMO celebrates 70 years as shipping's guiding beacon. *Fairplay*. 6 March 2018. Available from: <https://fairplay.ihs.com/safety-regulation/article/4298446/imo-celebrates-70-years-as-shipping-s-guiding-beacon> Anniversaries are rarely important, but in the case of the International Maritime Organization, the standing of the organisation and its development over the last 70 years are mirrored in the changes to the industry itself, and those changes cannot be understated with an initial focus on vessel safety also incorporating marine pollution and later the broader environmental challenges.

IMO celebrates 70th anniversary. By Anastassios Adamopoulos. *Lloyd's List*. 6 March 2018. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1121690> The International Maritime Organization celebrated its 70th anniversary on Wednesday, with a visit from Queen Elizabeth II, who returned to the building on London's Albert Embankment 35 years after opening it.

Argentina, Brazil, India and Saudi Arabia row back on shipping's climate targets. By Sam Chambers. *Splash 247.com*. 12 March 2018. Available from: <http://splash247.com/argentina-brazil-india-saudi-arabia-row-back-shippings-climate-targets/> A group of four big countries have set out to limit climate targets due to be discussed at the IMO's Marine Environment Protection Committee (MEPC) gathering next month.

Attention turns to one particular proposal as CO2 debate nears end. By Louise Vogdrup-Schmidt and Katrine Grønvald Raun. *ShippingWatch*. 12 March 2018. Available from: <https://shippingwatch.com/secure/carriers/article10402415.ece> In just one month, members of the International Maritime Organization (IMO) will decide on a global strategy for how shipping will reduce carbon emissions.

Call for regulatory sandbox to help shipping and IMO navigate digitalisation.

By Sam Chambers. *Splash 247.com*. 14 March 2018. Available from: <http://splash247.com/call-regulatory-sandbox-help-shipping-imo-navigate-digitalisation/> Technology is outpacing the regulatory environment, which could put the future of the International Maritime Organization (IMO) at risk,

IMO 2020 Rule: Shipowners' Perspective. By Ralph Grimmer and Michael Myers.

Ship & Bunker. 14 March 2018. Available from: <https://shipandbunker.com/news/world/638082-imo-2020-rule-shipowners-perspective> The International Maritime Organization (IMO) is moving forward with a marked reduction in the global maximum sulfur content of marine fuel (aka bunker fuel oil) on January 1, 2020.

SEALNG voices support for IMO carriage ban of non-compliant fuels. SeaLNG.

13 March 2018. Available from: <https://sea-lng.org/sealng-voices-support-imo-carriage-ban-non-compliant-fuels/> SEALNG, the multi-sector industry coalition aiming to accelerate the widespread adoption of liquefied natural gas (LNG) as a marine fuel, today voiced its support for the carriage ban on non-compliant fuels proposed by the IMO when the 0.50% sulphur fuel limit comes into force in January 2020.

US told to stay out of IMO greenhouse gas debate. By Helen Kelly. Lloyd's List. 13 March 2018.

Available from: <https://lloydlist.maritimeintelligence.informa.com/LL1121819/US-told-to-stay-out-of-IMO-greenhouse-gas-debate> The US has been told to stay out of International Maritime Organization efforts to agree industry-wide greenhouse gas reduction targets.

IMO defends its position on cyber. By Sam Chambers. Splash 247.com. 15 March 2018.

Available from: <http://splash247.com/imo-defends-position-cyber/> Discussion at yesterday's Asia Pacific Maritime (APM) exhibition in Singapore that the International Maritime Organization could lose its legitimacy if it fails to show leadership on cyber matters has prompted a response from the UN body.

CMA Shipping 2018 - IMO and environmental standards. US Coast Guard Maritime Commons.

15 March 2018. Available from: <http://mariners.coastguard.dodlive.mil/2018/03/15/3-15-2018-cma-shipping-2018-imo-and-environmental-standards/> Jeff Lantz, director of commercial regulations and standards, briefed attendees at Connecticut Maritime Association Shipping 2018 on the leading environmental issues the International Maritime Organization is facing.

The US has changed its IMO course under Trump. By Niklas Krigslund. ShippingWatch.

15 March 2018. Available from: <https://shippingwatch.com/secure/carriers/article10416157.ece> The US will be more reticent than in the past when the IMO member states gather next month to try to settle on a much-awaited climate strategy for shipping.

Will the IMO signal the endgame for fossil fuels in shipping? By Paul Stuart-Smith. Fairplay.

19 March 2018. Available from: <https://fairplay.ihs.com/safety-regulation/article/4298981/will-the-imo-signal-the-endgame-for-fossil-fuels-in-shipping> Greenhouse gas (GHG) emissions from ships will be at the centre of the agenda when the 72nd session of the International Maritime Organization's (IMO's) Marine Environment Protection Committee (MEPC 72) convenes in a few weeks' time.

International Maritime Organization may mandate slow streaming, ultimately raising costs for shippers and creating supply chain issues. Supply Chain Digest. 20 March 2018. Available from:

<http://www.scdigest.com/ONTARGET/18-03-20-1.PHP> With the 72nd session of the International Maritime Organization's (IMO) Marine Environment Protection Committee set to take place in London April 9-13, delegates from countries around the world are considering a number of issues to go into a draft text towards a global agreement to reduce maritime greenhouse gas emissions.

Canada moves to dilute Finnish bid to ban dirty fuels from the Arctic. By Levon Sevunts.

Canadian Broadcasting Corporation (CBC). 20 March 2018. Available from:

<http://www.cbc.ca/news/politics/finland-canada-fuel-arctic-1.4585050> As the world maritime body prepares to consider a Canadian proposal to mitigate the risks of heavy fuel oil pollution in the Arctic, Ottawa is trying to water down a plan by Finland for an outright ban of the highly polluting fuel - used by most ships plying the rapidly warming Arctic.

Japan's Cosmo to expand coker, slash HSFO output as IMO low-sulfur deadline nears.

By Takeo Kumagai. *S&P Global Platts*. 20 March 2018. Available from:

<https://www.platts.com/latest-news/oil/tokyo/japans-cosmo-to-expand-coker-slash-hsfo-output-21598792> Cosmo Energy Holdings plans to significantly slash output of high sulfur fuel oil by expanding its coker capacity as the Japanese company prepares to meet the 2020 low-sulfur mandate deadline set by the International Maritime Organization.

Marshall Islands joins chorus calling for heavy fuel oil ban in 2020. By Helen Kelly.

Lloyd's List. 20 March 2018. Available from:

<https://lloydslist.maritimeintelligence.informa.com/LL1121906/Marshall-Islands-joins-chorus-calling-for-heavy-fuel-oil-ban-in-2020> The Marshall Islands Registry has thrown its weight behind moves to ban the carriage of heavy fuel oil onboard vessels from 2020.

Arctic ban on HFO: What to expect from MEPC 72. Bunker Index. 22 March 2018. Available from:

http://www.bunkerindex.com/news/article.php?article_id=20253 The agenda of MEPC 72, which runs from 9-13 April at IMO HQ in London, does not include a formal move towards a ban on HFO.

Nations need to be ambitious on gas emissions at IMO meeting. By Nusrat Ghani.

TradeWinds. 22 March 2018. Available from:

<http://www.tradewindsnews.com/weekly/1455838/nations-need-to-be-ambitious-on-gas-emissions-at-imo-meeting> Millions of ordinary people around the UK rely on shipping - for the food in their cupboards, the energy that heats their homes, and more.

Governments need to compromise or risk having no IMO CO2 strategy at all.

International Chamber of Shipping (ICS). 26 March 2018. Available from: <http://www.ics-shipping.org/news/press-releases/2018/03/26/governments-need-to-compromise-or-risk-having-no-imo-co2-strategy-at-all> Ahead of critical meetings at the UN International Maritime Organization (IMO) which commence on 3 April, the ICS says that governments must compromise to help IMO agree an ambitious strategy for the further reduction of CO2 emissions by shipping that will match the expectations of the Paris Agreement on climate change.

ICS sets new course on climate policy. By Louise Vogdrup-Schmidt and Katrine Grønvald Raun.

ShippingWatch. 26 March 2018. Available from:

<https://shippingwatch.com/secure/carriers/article10451638.ece> The International Chamber of Shipping, ICS, has changed its stance on the policy to reduce shipping's CO2 emissions going forward.

IMO 2020 Rule: Refiners' Perspective. By Ralph Grimmer, James Ahrens, and Leigh Noda.

Ship & Bunker. 26 March 2018. Available from: <https://shipandbunker.com/news/world/547131-imo-2020-rule-refiners-perspective> The International Maritime Organization (IMO) is moving forward with a marked reduction from 3.5% to 0.5% in the maximum sulfur content of marine fuel (bunker fuel oil) on January 1, 2020.

INDUSTRY OPINION: Australian shippers reject mandatory slow steaming measures.

By Travis Brooks-Garrett. *DCN - Daily Cargo News (Australia)*. 26 March 2018. Available from:

<http://www.thedcn.com.au/australian-shippers-reject-mandatory-slow-steaming-measures/> Next week the Australian Government will be participating in an intersessional working group established to address the reduction of Greenhouse Gas (GHG) emissions from ships.


ECSA urges parties at IMO to conclude on ambitious GHG reduction targets.

European Community Shipowners' Associations (ECSA). 26 March 2018. Available from:

<http://www.ecsa.eu/news/ecsa-urges-parties-imo-conclude-ambitious-ghg-reduction-targets>

ECSA has always maintained that shipping has to contribute substantially to global efforts to reduce greenhouse gas (GHG) emissions and will always be committed to most proactive and realistic reduction aspirations.

Initial IMO greenhouse gas strategy. *Transport & Environment*. 26 March 2018. Available from:

<https://www.transportenvironment.org/publications/initial-imo-greenhouse-gas-strategy> After several attempts to act on ship greenhouse gas emissions, the International Maritime Organisation (IMO) finally agreed in 2016 on a seven-year GHG Roadmap (work programme) to discuss and agree on measures to address shipping's climate impact. [Initial IMO GHG Strategy: T&E Position Paper](#) 

IMO is the right organization to regulate maritime industry: BIMCO. *By Esther Ng. S&P Global*

Platts. 26 March 2018. Available from: <https://www.platts.com/latest-news/shipping/singapore/imo-is-the-right-organization-to-regulate-maritime-27940531> The maritime industry needs global regulations for a global industry, which makes the International Maritime Organization, or IMO, the right organization for this task, BIMCO's chief shipping analyst Peter Sand told S&P Global Platts.

MEPC72: Mandatory slow(er) steaming "Only measure on the table" for shipping to address GHG emissions. *Ship & Bunker*. 28 March 2018. Available from: <https://bit.ly/2H9KzjV>

As shipping contemplates efforts to reduce its GHGs emissions as part of implied obligations under the COP21 climate deal, the idea of imposing speed limits on the world's fleet is gaining momentum.

Greek shipping union hits back on emissions. *By Gary Dixon. TradeWinds*. 28 March 2018.

Available from: <http://www.tradewindsnews.com/incoming/1461417/greek-shipping-union-hits-back-on-emissions> The Union of Greek Shipowners (UGS) has said it strongly supports the IMO's emissions targets as it hit back at claims the country was the least committed of all EU member states to tackling climate change.

EU countries aim high in CO2 proposal ahead of London meeting. *By Tomas Kristiansen.*

ShippingWatch. 27 March 2018. Available from:

<https://shippingwatch.com/secure/carriers/article10461699.ece> EU countries that would normally not stand together on environmental matters relating to shipping have now settled on an ambitious negotiation paper to bring to IMO headquarters in London on April 3.

Intertanko plans to submit ballast water contingency measures to IMO. *By Esther Ng.*

S&P Global Platts. 29 March 2018. Available from: <https://www.platts.com/latest-news/shipping/singapore/intertanko-plans-to-submit-ballast-water-contingency-27944344> The Intertanko, have come up with a standard procedure on how port-states should respond when a tanker's ballast water management system is not working and plans to submit the procedure to the International Maritime Organization, Intertanko director Tim Wilkins told S&P Global Platts Thursday.

IMO 2020 sulfur cap expected to lead to higher freight rates: SGX event. *By Hector Forster.*

S&P Global Platts. 28 March 2018. Available from: <https://www.platts.com/latest-news/shipping/london/imo-2020-sulfur-cap-expected-to-lead-to-higher-26924798> The IMO's 2020 sulfur cap on fuel oil will result in higher vessel operating costs, which are likely to be passed onto freight rates, according to a Singapore Exchange seminar in London last week.

Shipping lobby urges EU to compromise on maritime climate target. *By Megan Darby.*

Climate Home News. 28 March 2018. Available from:

<http://www.climatechangenews.com/2018/03/28/shipping-lobby-urges-eu-compromise-maritime-climate-target/> With weeks to the deadline for setting a course to a zero carbon shipping future, huge divisions remain over the level of ambition.

LAW & POLICY

Encouraging international support for improvement to maritime laws. *Times of Malta.*

27 February 2018. Available from:

<https://www.timesofmalta.com/articles/view/20180227/business/encouraging-international-support-for-improvement-to-maritime-laws.671912> Representatives from 58 countries were in Malta on

Tuesday to discuss an important step forward for the international maritime industry: the recognition of judicial sales.

Tanker operator blames Captain for dumping crimes. *By Mike Schuler. gCaptain.*

28 February 2018. Available from: <http://gcaptain.com/tanker-operator-blames-captain-for-dumping-crimes/>

The operator of a tanker busted for illegally dumping oily water and garbage waste at sea says the Master of the tanker "acted unilaterally" and against company policy.

Transport Secretary outlines goal for UK to be at the heart of a maritime technology revolution. *UK Government.* 28 February 2018. Available from:

<https://www.gov.uk/government/news/transport-secretary-outlines-goal-for-uk-to-be-at-the-heart-of-a-maritime-technology-revolution> Britain's maritime industry is on the verge of a technological

revolution that could make shipping faster, safer and more environmentally friendly, the Transport Secretary will say today (28 February 2018).

Thaw in accord: As Arctic ice melts, territorial disputes are hotting up, too.

By Jessica Brown. *The Independent.* 1 March 2018. Available from:

<http://www.independent.co.uk/environment/geopolitical-consequences-of-melting-arctic-ice-russia-canada-us-northern-sea-route-shipping-natural-a8229306.html> Anyone kept awake at night by

climate change-fuelled existential crises won't have welcomed the news that a ship has just sailed through the Arctic's Northern Sea Route without an icebreaker – the first time this has happened in winter.

To help save our oceans, include women in the conversation . *By Farah Obaidullah.*

Huffington Post. 1 March 2018. Available from: https://www.huffingtonpost.com/entry/to-help-save-our-oceans-listen-to-women_us_5a96c7d4e4b0e6a52303b84f Every other breath we take comes

from our oceans - and our oceans are dying.

Closing the gap: Agreement reached on Australia-Timor-Leste maritime border.

By Grant Wyeth. *The Diplomat.* 1 March 2018. Available from:

<https://thediplomat.com/2018/03/closing-the-gap-agreement-reached-on-australia-timor-leste-maritime-border/> Earlier this week Australia and Timor-Leste reached an agreement for a treaty on

their disputed maritime border at the Permanent Court of Arbitration in The Hague.

National Maritime Security Strategy for Seychelles. *Seychelles Nation.* 1 March 2018.

Available from: <http://www.nation.sc/article.html?id=257868> Consultations to draft a National

Maritime Security Strategy for Seychelles with different actors and stakeholders who are working in, playing a role in protecting and safeguarding or are connected to the maritime domain.

London may lose maritime law business due to high litigation costs. *By Winnie Mah.*

Lloyd's List. 1 March 2018. Available from:

<https://lloydslist.maritimeintelligence.informa.com/LL1121653/London-may-lose-maritime-law-business-due-to-high-litigation-costs> If London is maintain its maritime hub status and central role in

international shipping law measures need to be taken to address spiralling costs created by the tidal wave of electronic data required under disclosure orders.

The World Has Two Years to Meet Marine Protection Goal. Can It Be Done? By Sarah

Gibbens. *National Geographic*. 2 March 2018. Available from:

<https://news.nationalgeographic.com/2018/02/marine-protected-areas-assessment-environment-conservation-spdl/> The U.N. is nearing its decade-long goal of protecting 10 percent of the global ocean by 2020.

'Sanctions-busting' tanker loses Maldives flag. *Maldives Independent*. 4 March 2018.

Available from: <http://maldivesindependent.com/business/sanctions-busting-tanker-loses-maldives-flag-136205> The tanker at the centre of a North Korea sanctions-busting storm no longer bears the Maldives flag, official records show.

Senate concurs with SOLAS '78 and '88, MARPOL conventions, 4 other maritime agreements.

Government of the Philippines. 5 March 2018. Available from:

http://www.senate.gov.ph/press_release/2018/0305_prib3.asp The Senate adopted today seven maritime treaties, including two resolutions concurring in the ratification to the 1978 and 1988 international protocols relating to transnational maritime safety.

Baltic Sea Action Plan Scorecard 2018. *WWF*. 5 March 2018. Available from:

<https://bit.ly/2Ffdd5n> The Baltic Sea Action Plan (BSAP) - widely heralded as the most important agreement to protect and restore our region's marine environment - was triggered by the political concerns of the mid-2000s and the growing willingness of countries to work together and increase their level of commitment and action.

Driving Singapore's next phase of growth as a global maritime hub. *Maritime and Port Authority of Singapore (MPA)* 7 March 2018.

Available from: <https://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/7b5c0dcb-0cdc-44ae-83f1-86be5e4b33f6> To continue growing the maritime cluster and capturing new opportunities, the MPA will strengthen the connectivity and inter-linkages of Singapore's maritime cluster, build a vibrant innovation ecosystem and develop a future-ready and skilled maritime workforce.

How Australia-East Timor treaty unlocks US\$65 billion gas fields. *Straits Times*.

8 March 2018. Available from: <http://www.straitstimes.com/world/united-states/how-australia-east-timor-treaty-unlocks-us65bil-gas-fields> East Timor and Australia this week signed a treaty at the United Nations setting their maritime boundary for the first time, and striking a deal on sharing an estimated US\$65 billion (S\$85.4 billion) in potential revenues from the Greater Sunrise gas fields in the Timor Sea.

Europol: Council appoints Catherine De Bolle as Executive Director. *Council of the European Union*. 8 March 2018.

Available from: <http://www.consilium.europa.eu/en/press/press-releases/2018/03/08/europol-council-appoints-catherine-de-bolle-as-executive-director/>

On 8 March 2018, the Council appointed Catherine De Bolle from Belgium as the next Executive Director of Europol.

Western Mediterranean: a management plan to fortify the fishing sector of the region.

European Commission. 7 March 2018. Available from: http://europa.eu/rapid/press-release_IP-18-1642_en.htm Today the European Commission has proposed a multi-annual plan for fish stocks in the western Mediterranean Sea.

Maritime sector urged to snuff out counterfeit goods. By James Baker. *Lloyd's List*.

9 March 2018. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1121765>

Carriers and freight forwarders are being encouraged to sign up to a new protocol in an effort to stop the trade in pirated and counterfeit goods in ocean transport.

Int'l probing into Maldives flag flying tanker case. By Mohamed Rehan. *Avas Online (Maldives)*. 11 March 2018. Available from: <https://avas.mv/en/46030> Defense Minister Adam Shareef on Sunday has claimed the case of a high-seas ship-to-ship (STS) transfer between two vessels - one identified a North Korean vessel with the other hoisting Maldives flag - has become an international investigation.

'Paris of the oceans' pact crucial to save seas, says WWF head. By Sophie Hares. *Reuters* 10 March 2018. Available from: <https://www.reuters.com/article/us-environment-oceans-pollution/paris-of-the-oceans-pact-crucial-to-save-seas-says-wwf-head-idUSKCN1GM0N5> To save the world's oceans from rampant over-fishing, pollution and degradation, countries should hammer out a deal like the Paris Agreement on climate change that sets stringent targets for protection, said the head of global conservation group WWF.

Finders, keepers? What maritime law says about salvaging shipwrecked and washed-up goods. By Patrick Williams. *ABC Radio (Australia)*. 10 March 2018. Available from: <http://www.radioaustralia.net.au/international/2018-03-10/finders-keepers-what-maritime-law-says-about-salvaging-shipwrecked-and-washedup-goods/1741496> Picture this - you're walking along the beach and come across a washed-up shipping container chock-full of goodies.

Law on ocean governance beyond national jurisdiction is needed. By Zanariah Abd Mutalib. *New Straits Times Online (Malaysia)*. 13 March 2018. Available from: <https://www.nst.com.my/news/nation/2018/03/344733/law-ocean-governance-beyond-national-jurisdiction-needed> Malaysia has to draft a specific law which will allow it to explore marine biodiversity resources, aside from managing marine resources beyond national jurisdiction.

German Government supports Maritime Centre with 1.2 million Euros. *GhanaWeb*. 14 March 2018. Available from: <https://www.ghanaweb.com/GhanaHomePage/business/German-Government-supports-Maritime-Centre-with-1-2-million-Euros-634146> The Government of Germany, through its International Cooperation Agency GIZ, has handed over monitoring and radio equipment worth 1.2 million Euros to the ECOWAS Commission to support the operations of the Multinational Maritime Coordination Centre (MMCC) Zone F.

CMA Shipping 2018 - Summary of keynote address by Deputy Commandant for Operations, Vice Adm. Charles Ray. *US Coast Guard Maritime Commons*. 13 March 2018. Available from: <http://mariners.coastguard.dodlive.mil/2018/03/13/3-13-2018-cma-shipping-2018-summary-of-keynote-address-by-deputy-commandant-for-operations-vice-adm-charles-ray/> Vice Adm. Charles Ray, deputy commandant for operations and recently nominated Vice Commandant of the Coast Guard, delivered keynote remarks to about three hundred members of the international shipping community during Connecticut Maritime Association's Shipping 2018 in Stamford, Connecticut, March 12, 2018.

Spill equipment, orca study among newly unveiled details of Oceans Protection Plan. **By Simon Little.** *Global News (Canada)*. 13 March 2018. Available from: <https://globalnews.ca/news/4081296/new-details-oceans-protection-plan/> 🇨🇦 The federal government has announced new details of how its \$1.5-billion Oceans Protection Plan (OPP) will be applied to B.C.'s coast.

Government of Canada announces new Oceans Protection Plan actions to protect Canada's coasts and waterways. *Government of Canada*. 13 March 2018. Available from: <https://www.canada.ca/en/transport-canada/news/2018/03/government-of-canada-announces-new-oceans-protection-plan-actions-to-protect-canadas-coasts-and-waterways.html> Canada's coasts support Indigenous and coastal communities, enable international trade, are home to precious ecosystems, and play a key role in strengthening the economy and growing our middle class.

Libyan forces arrest ship off Derna. *Maritime Executive*. 13 March 2018.

Available from: <https://www.maritime-executive.com/article/libyan-forces-arrest-ship-off-derna>
On Sunday, a spokesman for Libyan warlord General Khalifa Haftar said that an unnamed foreign vessel was seized off Sousse, a small town near Derna.

European Shipowners greatly concerned about the proposed US steel and aluminium tariffs.

European Community Shipowners' Associations (ECSA). 13 March 2018. Available from: <http://www.ecsa.eu/news/european-shipowners-greatly-concerned-about-proposed-us-steel-and-aluminium-tariffs> European shipowners disagree with the US President Trump's decision to impose additional duties on imports of certain steel and aluminium products into the United States.

Charting a bright course for the UK shipping industry. By Robin Walker.

UK Chamber of Shipping. 15 March 2018. Available from: <https://www.ukchamberofshipping.com/latest/charting-bright-course-uk-shipping-industry/> Britain is one of the world's greatest maritime nations.

Ending the EU-Comoros fisheries deal. *European Parliament*. 15 March 2018. Available

from: <http://www.europarl.europa.eu/news/en/press-room/20180312IPR99504/ending-the-eu-comoros-fisheries-deal> The EU Commission proposal to terminate the agreement followed problems with piracy and the Comoros' failure to comply with the Regulation on illegal, unreported and unregulated fishing (IUU).

Haida Nation and Transport Canada identify new potential places of refuge for ships in Haida

Gwaii. *Government of Canada*. 14 March 2018. Available from: <https://bit.ly/2JvfCb> Protecting the marine environment is of paramount importance.

Two Seatrade execs convicted for scrapping four ships. By Tomas Kristiansen, Daniel Logan Berg-Munch, and Katrine Grønvald Raun. *ShippingWatch*. 15 March 2018. Available

from: <https://shippingwatch.com/secure/carriers/article10419626.ece> A Rotterdam District Court today, Thursday, sentenced reefer specialist Seatrade for the illegal export of vessels sent for scrapping on the beaches of India, Bangladesh and Turkey.

Kenya invites Cuba to co-host Blue Economy Conference. By Beth Nyaga.

Kenya Broadcasting Corporation (KBC). 19 March 2018. Available from: <http://www.kbc.co.ke/kenya-invites-cuba-co-host-blue-economy-conference/> Speaking when she met the Cuban Minister for Trade and Investment, Rodrigo Malmierca, Foreign Affairs Cabinet Secretary Monica Juma said the Conference will provide a platform to engage on action-oriented strategies pertaining to a sustainable blue economy that is people-centric with ocean driven investments.

Women in maritime: How to encourage participation. *Safety4Sea*. 16 March 2018. Available

from: <https://safety4sea.com/women-maritime-encourage-participation/> Gender equality is more than equal representation, it is strongly tied to women's rights, and often requires policy changes.

Seatrade found guilty of poor shipbreaking practices. By Jennifer Johnson.

Marine Professional. 16 March 2018. Available from: <https://www.imarest.org/themarineprofessional/item/4093-seatrade-found-guilty-of-poor-shipbreaking-practices> The case marks the first time a European shipping firm has been held criminally liable for selling vessels to substandard ship recycling facilities in India and Bangladesh.

Italy: Migrant rescue ship impounded. *Human Rights Watch (HRW)*. 19 March 2018. Available

from: <https://www.hrw.org/news/2018/03/19/italy-migrant-rescue-ship-impounded> Italy has impounded a rescue ship and threatened criminal charges against two members of its crew and the coordinator of the organization after they refused to turn migrants over to Libyan forces, fearing that they would be abused.

China's oceanic authority calls for measures on rising sea levels. *China Daily.Com.*

19 March 2018. Available from:

<http://europe.chinadaily.com.cn/a/201803/19/WS5aafafd0a3106e7dcc142908.html>

China's oceanic authority on Monday called for measures to cope with rising sea levels.

Future of the sea: Foresight report looking at the important future trends, challenges and opportunities for the UK from the sea. *UK Government.* 21 March 2018. Available from:

<https://www.gov.uk/government/publications/future-of-the-sea--2> This report considers the role that science and technology can play in understanding and providing solutions to the long-term issues affecting the sea. [Future of the Sea - Report from the Government Chief Scientific Adviser](#)

Britain must 're-invent' relationship with sea. *By Thomas Moore. Sky News.*

21 March 2018. Available from: <https://news.sky.com/story/britain-must-re-invent-relationship-with-sea-11298541> The value of world's oceans is set to double to £2.14tn by 2030.

UAE blacklists local owner over crew abandonment. *By Sam Chambers. Splash 247.com.*

21 March 2018. Available from: <http://splash247.com/uae-blacklists-local-owner-crew-abandonment/> The United Arab Emirates (UAE) has taken action against another shipowner with a history of abandoning crews.

Court allows conservation, Alaska native groups to challenge Trump's reversal of Arctic, Atlantic drilling bans. *Center for Biological Diversity.* 20 March 2018. Available from:

http://www.biologicaldiversity.org/news/press_releases/2018/offshore-drilling-03-20-2018.php Conservation and Alaska native groups have a green light to hold President Trump accountable to the rule of law over his attempt to jettison a permanent ban on new offshore oil and gas drilling in the Arctic and Atlantic oceans.

UN advisor criticizes Maersk's shipment for North Korea. *By Ole Andersen and Tomas Kristiansen. ShippingWatch.* 23 March 2018. Available from:

<https://shippingwatch.com/secure/Services/article10433790.ece> It is not acceptable for subsidiaries in major international transport companies to claim that they did not know what they were transporting when the case involves illegal products from nations under a UN arms embargo such as North Korea, New York-based Enrico Carisch tells ShippingWatch.

Danish Shipping: New trade restrictions are deeply worrying. *Danish Shipping.*

23 March 2018. Available from: <https://www.danishshipping.dk/en/press/news/danish-shipping-new-trade-restrictions-are-deeply-worrying> The United States and China are the two largest markets for the Danish shipping sector with annual total exports amounting to 38.5 billion DKK.

Container ship MSC Kia Ora banned from Australian ports. *Australian Maritime Safety Authority.*

26 March 2018. Available from: <https://www.amsa.gov.au/news-community/news-and-media-releases/container-ship-msc-kia-ora-banned-australian-ports> AMSA inspected the ship in the Port of Brisbane on Wednesday, 14 March 2018 after receiving a complaint which alleged that crew had been underpaid.

South China Sea remains a security challenge, Philippine defence chief says.

South China Morning Post. 26 March 2018. Available from:

<http://www.scmp.com/news/china/diplomacy-defence/article/2138915/south-china-sea-remains-security-challenge-philippine> The territorial dispute with Beijing over the South China Sea remained a security challenge despite an improvement in bilateral ties, the Philippine defence chief said on Monday as he accepted three maritime surveillance planes from Japan.

Commission on Limits of Continental Shelf concludes forty-sixth session. *United Nations.*

26 March 2018. Available from: <https://www.un.org/press/en/2018/sea2067.doc.htm> The Commission on the Limits of the Continental Shelf held its forty-sixth session at United Nations Headquarters from 29 January to 16 March.

Breaking the glass ceiling of EU climate policy. By Brook Riley. *EurActiv*. 28 March 2018. Available from: <https://www.euractiv.com/section/climate-environment/opinion/breaking-the-glass-ceiling-of-eu-climate-policy> Last week, EU leaders told the European Commission to come up by the first quarter of 2019 with a strategy to cut greenhouse gas emissions in line with the Paris Climate Agreement.

CDC hosts consultation on draft National Oil Spill Contingency Plan. *Government of Guyana*. 28 March 2018. Available from: <http://dpi.gov.gy/cdc-hosts-consultation-on-draft-national-oil-spill-contingency-plan/> The Civil Defence Commission (CDC) today hosted a Stakeholder's Consultation on the draft National Oil Spill Contingency Plan.

Industry welcomes new strategy for right whale protection in Gulf of St. Lawrence. By Anne Kalosh. *Seatrade Cruise News*. 28 March 2018. Available from: <https://bit.ly/2GLDuFc> 2018 sees a fixed speed restriction in a large area of the Gulf where the whales aggregated in 2017 and a dynamic management approach for the shipping lanes north and south of Anticosti Island where temporary mandatory speed caps will be activated should a right whale be observed.

Government of Canada unveils its plan for protecting North Atlantic right whales in 2018. *Government of Canada*. 28 March 2018. Available from: <https://bit.ly/2GUjDoj> The Government of Canada is concerned about the deaths of endangered North Atlantic right whales.

Ocean energy - a sustainable blue growth opportunity for Europe. *European Commission*. 28 March 2018. Available from: https://ec.europa.eu/maritimeaffairs/content/ocean-energy-%E2%80%93-sustainable-blue-growth-opportunity-europe_en A strong supporter of renewable forms of energy "made in Europe", the Commissioner reaffirmed his belief that by 2030 the oceans could provide energy to millions of Europeans, and his ambition to consolidate and expand the European Union's position as a world leader in ocean energy.

MARINE TECHNOLOGY

DNV GL drone inspection on the *Rowan Gorilla VI*. *DNV GL*. 28 February 2018. Available from: <https://www.youtube.com/watch?v=u5r4Xe9pkrl> DNV GL surveyors recently used drones to inspect the *Rowan Gorilla VI*, a Super Gorilla Class Jack-up owned by Rowan Companies.

The drone squad for ship surveys. *All About Shipping*. 2 March 2018. Available from: <http://www.allaboutshipping.co.uk/2018/03/02/the-drone-squad-for-ship-surveys/> Since DNV GL carried out its first production drone survey, June 2016, it has become the leading provider in the field

Pacific Basin Shipping: 'Scrubbers not a smart solution'. By Andy Pierce. *TradeWinds*. 1 March 2018. Available from: <http://www.tradewindsnews.com/drycargo/1444470/pacific-basin-shipping-scrubbers-not-a-smart-solution> Pacific Basin Shipping has branded scrubber technology an ineffective solution to incoming emissions laws and placed the responsibility of meeting sulphur regulations in 2020 at the feet of oil companies.

Is it time to talk about regulating autonomous ships? By Patrick Kingsland. *Ship-Technology.com*. 5 March 2018. Available from: <http://www.ship-technology.com/features/time-talk-regulating-autonomous-ships/> A major new report commissioned by the Danish Maritime Authority (DMA) unpicks the challenges posed by autonomy on the seas and outlines how they can be overcome.

Report on regulatory barriers to the use of autonomous ships. *Danish Maritime Authority*. December 2017. Available from: [Analysis of regulatory barriers to the use of autonomous ships: Final Report](#) The report, made by Rambøll and CORE Law firm for the Danish Maritime Authority, contains a number of specific recommendations for Denmark preparing and making more flexible the regulation of autonomous technologies.

Technology touted for making shipping cleaner, more efficient. By Andrea Rumbaugh.

Houston Chronicle (US). 5 March 2018. Available from:

<https://www.houstonchronicle.com/business/article/Technology-touted-for-making-shipping-cleaner-12728512.php>

Upheaval in the modern maritime sector can be compared to changes in the 19th century, when relatively efficient steam-powered engines replaced giant sails dependent on gusts of wind.

LR announces new underwater noise notation. *Lloyd's Register*. 5 March 2018. Available from:

<https://www.lr.org/en/latest-news/new-underwater-noise-notation/> LR has released a new underwater noise notation and ShipRight procedure on underwater radiated noise with the intention of helping shipowners minimise underwater noise emissions when operating in sensitive environments.

A commercial reality check for autonomous shipping in 2018 . By Torgeir Willumsen.

Seatrade Maritime News. 6 March 2018. Available from: [http://www.seatrade-](http://www.seatrade-maritime.com/news/europe/a-commercial-reality-check-for-autonomous-shipping-in-2018.html)

[maritime.com/news/europe/a-commercial-reality-check-for-autonomous-shipping-in-2018.html](http://www.seatrade-maritime.com/news/europe/a-commercial-reality-check-for-autonomous-shipping-in-2018.html)

Autonomous vessels are generating increasing interest in the shipping industry, both due to novelty and promising commercial benefits.

ECDIS: is the industry ignoring an important update? By Eva Grey. *Ship-Technology.com*.

7 March 2018. Available from: [http://www.ship-technology.com/features/ecdis-is-the-industry-](http://www.ship-technology.com/features/ecdis-is-the-industry-ignoring-an-important-update/)

[ignoring-an-important-update/](http://www.ship-technology.com/features/ecdis-is-the-industry-ignoring-an-important-update/)

Since its introduction to the market in 2009, the Electronic Chart Display and Information System (ECDIS) has become the de-facto navigational chart system used by naval vessels and ships worldwide.

Jeremy Nixon believes one particular technology can help shipping. By Niklas Krigslund.

ShippingWatch. 7 March 2018. Available from:

<https://shippingwatch.com/secure/carriers/Container/article10385090.ece>

After years of standstill, digitalization efforts now seem to have taken off for real in the container sector, where a growing number of players are now investing large sums in finding new solutions for themselves and for customers.

Autonomous vessels will revolutionise shortsea shipping. By Martyn Wingrove.

Marine Electronics & Communications. 7 March 2018. Available from:

[http://www.marinemec.com/news/view_autonomous-vessels-will-revolutionise-shortsea-](http://www.marinemec.com/news/view_autonomous-vessels-will-revolutionise-shortsea-shipping_51007.htm)

[shipping_51007.htm](http://www.marinemec.com/news/view_autonomous-vessels-will-revolutionise-shortsea-shipping_51007.htm) Autonomous coastal shipping can help reduce the amount of cargo transported by road and rail across nations.

Cyber safety, security and autonomous shipping addressed with new Bureau Veritas notations and guidelines. *Bureau Veritas*. 13 March 2018. Available from:

[http://www.bureauveritas.com/home/news/business-news/cyber-safety-security-and-autonomous-](http://www.bureauveritas.com/home/news/business-news/cyber-safety-security-and-autonomous-shipping-addressed-with-new-bureau-veritas-notations-and-guidelines)

[shipping-addressed-with-new-bureau-veritas-notations-and-guidelines](http://www.bureauveritas.com/home/news/business-news/cyber-safety-security-and-autonomous-shipping-addressed-with-new-bureau-veritas-notations-and-guidelines) A new series of classification notations, guidelines and services enable owners to comply with regulatory requirements, safeguard their crews and protect their assets from both malfunction and malicious attack.

US feeling labour pressure on ship automation. By John Gallagher. *Fairplay*. 15 March 2018.

Available from: [https://fairplay.ihs.com/safety-regulation/article/4298826/us-feeling-labour-pressure-](https://fairplay.ihs.com/safety-regulation/article/4298826/us-feeling-labour-pressure-on-ship-automation)

[on-ship-automation](https://fairplay.ihs.com/safety-regulation/article/4298826/us-feeling-labour-pressure-on-ship-automation)

A planned two-year regulatory scoping exercise at the International Maritime Organization (IMO) on autonomous ships is months away and already the US Coast Guard (USCG) is receiving heat from unions representing vessel crews on Jones Act and other US-flag ships.

Battery-driven vessels on the world seas are far off in the future. By Søren Pico.

ShippingWatch. 15 March 2018. Available from:

<https://shippingwatch.com/secure/suppliers/article10416243.ece>

It will take a long time before batteries become an actual possibility for commercial ships sailing on the major deep sea trade routes.

Maritime CEO Forum: Shipping anywhere from 30 to 500 years behind the technology curve.

By Sam Chambers. *Splash 247.com.* 16 March 2018. Available from:

<http://splash247.com/maritime-ceo-forum-shipping-anywhere-30-500-years-behind-technology-curve/>
Shipping has been warned it's nearer to Kodak than Uber in its slow adoption of technology.

Wärtsilä acquires Transas to accelerate its Smart Marine Ecosystem vision.

Wärtsilä Corporation. 19 March 2018. Available from: <https://www.wartsila.com/media/news/19-03-2018-wartsila-acquires-transas-to-accelerate-its-smart-marine-ecosystem-vision-2139369> The technology group Wärtsilä is to acquire Transas, a global company headquartered in the U.K.

Are electric vessels the wave of the future in shipping? *Deutsche Welle (Germany).*

19 March 2018. Available from: <http://www.dw.com/en/are-electric-vessels-the-wave-of-the-future-in-shipping/a-43046309> The world's first 100-percent electric barges are set to start chugging between the busy ports of Antwerp, Amsterdam, and Rotterdam in Belgium and the Netherlands by the end of the year, cutting down the numbers of diesel-powered trucks transporting goods.

A digital twin to develop Blue Denmark. *Danish Maritime Authority.* 20 March 2018. Available

from: https://www.dma.dk/Presse/Nyheder/Sider/A_digital_twin_to_develop_Blue_Denmark.aspx
Imagine having access to every bit of information on your ship - from engine performance to hull integrity - available at a glance throughout the full lifetime of the vessel.

Digital twin report for DMA: Digital Twins for Blue Denmark. *DNV GL.* January 2018.

Available from: [Digital Twins for Blue Denmark](#) Digitalisation has become a key enabler for making the maritime industries more innovative, efficient and fit for future operations.

MAXCMAS success suggests COLREGs remain relevant for autonomous ships. *Rolls-Royce.*

21 March 2018. Available from: <http://www.rolls-royce.com/media/press-releases/yr-2018/21-03-2018-maxcmas-success-suggests-colregs-remain-relevant-for-autonomous-ships.aspx> Rolls-Royce has completed the £1.3 million MAXCMAS (MAchine eXecutable Collision regulations for Marine Autonomous Systems) research project, demonstrating that the operation of autonomous vessels can meet, if not exceed, current collision avoidance (COLREG) rules.

IMO Tier III certification for MTU marine engines from Rolls-Royce. *Rolls-Royce.*

22 March 2018. Available from: <https://www.rolls-royce.com/media/press-releases/yr-2018/22-03-2018-imo-tier-3-certification-for-mtu-marine-engines-from-rr.aspx> The latest generation of MTU's Series 4000 engines equipped with the SCR system for ships has successfully completed the IMO Tier III certification tests.

Trafigura to install scrubbers on its new tanker fleet. **By Roslan Khasawneh.** *Reuters.*

26 March 2018. Available from: <https://uk.reuters.com/article/shipping-fueloil/trafigura-to-install-scrubbers-on-its-new-tanker-fleet-idUKL3N1R844T> Commodities trader Trafigura will install scrubbers on its fleet of newbuild tankers to comply with new regulations from 2020 that will slash sulphur levels that ships are allowed to burn, a company spokesperson told Reuters on Monday.

More to autonomous technology than just unmanned ships. **By Martyn Wingrove.**

Marine Electronics & Communications. 28 March 2018. Available from:

http://www.marinemec.com/news/view_more-to-autonomous-technology-than-just-unmanned-ships_51235.htm This week, I visited Rolls-Royce's research and development centre for autonomous ships in Finland's oldest city, Turku.

MARITIME EDUCATION & TRAINING

OSM helps out seafarer training in Mozambique. By Sam Chambers. *Splash 247.com*.

1 March 2018. Available from: <http://splash247.com/osm-helps-seafarer-training-mozambique/>

Shipmanager OSM Maritime Group has signed an MOU to relaunch the Mozambican Higher School of Nautical Sciences as part of its involvement in the UN Global Compact (UNGC) initiative.

UK businesses gear up to promote maritime careers on Tidal Tuesday. By Holly Birkett.

UK Chamber of Shipping. 2 March 2018. Available from:

<https://www.ukchamberofshipping.com/latest/uk-businesses-gear-promote-maritime-careers-tidal-tuesday/>

Less than a week remains before shipping businesses around the UK will throw open their doors to promote maritime careers on Tidal Tuesday (6th March), as part of National Careers Week.

Liberian Registry, NAMEPA and ProSea launch environmental training program.

All About Shipping. 14 March 2018. Available from:

<http://www.allaboutshipping.co.uk/2018/03/14/liberian-registry-namepa-and-prosea-launch-environmental-training-program/>

The computer-based training program provides a comprehensive overview of the complex and diverse marine environment, explaining how it is impacted by shipboard waste, discharge and spills, and by shipping generally.

Antwerp sets up maritime training institute in Brazil. *Port of Antwerp*. 14 March 2018.

Available from: <http://www.portofantwerp.com/en/news/antwerp-sets-maritime-training-institute-brazil>

The port of Antwerp is to make its know-how and expertise available to further professionalise the management of ports in Brazil.

Digital training in the maritime industry. By Lili Nguyen. *Knect365 Maritime*. 15 March 2018.

Available from: [https://knect365.com/maritime/article/01c65f13-9121-477f-8a21-](https://knect365.com/maritime/article/01c65f13-9121-477f-8a21-4beeaf69dba2/digital-training-in-the-maritime-industry)

[4beeaf69dba2/digital-training-in-the-maritime-industry](https://knect365.com/maritime/article/01c65f13-9121-477f-8a21-4beeaf69dba2/digital-training-in-the-maritime-industry) Disruptive technologies are entering ships,

Repositioning the Maritime Academy. By Edet Okpo. *Nigeria Today*. 21 March 2018.

Available from: <http://www.nigeriatoday.ng/2018/03/repositioning-the-maritime-academy/>

The Academy has played host to two strategic and supervisory arms of government, each of which came with lofty packages aimed at reinforcing the determination of the Federal Government and fast-tracking processes towards holistically restructuring and repositioning the premier maritime training institution for global competitiveness.

MARITIME SAFETY

IMCA introduces changes to its eCMID vessel inspection database. *International Marine*

Contractors Association (IMCA). 7 March 2018. Available from: <https://www.imca-int.com/news/2018/03/07/imca-introduces-changes-to-its-ecmid-vessel-inspection-database/> The IMCA has seen a marked increase in the use of its eCMID inspection scheme for offshore vessels that benefit from an independent International Safety Management health check.

Concentrated Inspection Campaign (CIC) on Safety of Navigation (SOLAS CH.V). *Tokyo MoU*.

12 March 2018. Available from: <https://bit.ly/2Hj5dhK> The concentrated inspection campaign (CIC) on safety of navigation was carried out in the Tokyo MoU region from 1 September 2017 to 30 November 2017.

Identifying chronic unease onboard. By Subramanian Rajajopal. *Splash 247.com*.

19 March 2018. Available from: <http://splash247.com/identifying-chronic-unease-onboard/>

At Wallem, we are focused on creating greater awareness on the issue of chronic unease in line with our safety goal of zero injuries, zero spills and zero accidents.

Polaris rocked by another safety fault. By Jason Jiang. *Splash 247.com*. 23 March 2018. Available from: <http://splash247.com/polaris-rocked-another-safety-fault/> Just ahead of the first anniversary since the high profile sinking of its VLOC *Stellar Daisy*, South Korea's Polaris Shipping has been rocked by yet another safety fault.

Tackling cargo misdeclaration - a first line of defence against container fires. *Gard*. 21 March 2018. Available from: <http://www.gard.no/web/updates/content/25186996/tackling-cargo-misdeclaration-a-first-line-of-defence-against-container-fires> Stories describing danger at sea change with the times.

NIMASA: Safety critical to blue economy. By Oluwakemi Dauda. *The Nation (Nigeria)*. 27 March 2018. Available from: <http://thenationonlineng.net/nimasa-safety-critical-blue-economy/> The Nigerian Maritime Administration and Safety Agency (NIMASA) has said safety in the Gulf of Guinea is a prerequisite to the success of blue economy in the country.

MARITIME SECURITY

SUS gives Kenya six boats to help boost war on terrorism. By Brian Charo and Eunice Murathe. *Business Daily (Kenya)*. 27 February 2018. Available from: <https://www.businessdailyafrica.com/economy/US-gives-Kenya-six-boats-to-help-boost-war-on-terrorism/3946234-4322338-6uiipyez/index.html> The US government on Tuesday gave six Metal Shark boats to the Kenya Navy to help fight terrorism.

The Unrecognized Republic: Somaliland and the Gulf Security. By Awad Mustafa. *Al Arabiya*. 1 March 2018. Available from: <http://english.alarabiya.net/en/features/2018/02/28/The-Unrecognized-Republic-Somaliland-and-the-Gulf-Security.html> The self-declared Republic of Somaliland is looking to the Gulf secure its borders within the horn of Africa due to the regional instability.

Omamo appeals for more resources to improve maritime security. By Martin Mukangu. *Daily Nation (Kenya)*. 1 March 2018. Available from: <https://www.nation.co.ke/news/Omamo-more-resources-improve-sea-security/1056-4325012-o8hilnz/index.html> The lack of security in the maritime domain will not allow for the development of the blue economy which is part of President Uhuru Kenyatta's "Big Four" deliverables he unveiled during his Jamhuri Day address.

Invading the system: How to address cyber threats. *Manila Times*. 6 March 2018. Available from: <http://www.manilatimes.net/invading-system-address-cyber-threats/384321/> There is no denying that threats accompany the opportunities presented to the Philippine maritime industry, and these include cyberattacks.

Pen Test Partners' top 10 tactical tips to reduce the risks of cyber hacking. *Ship Management International*. 7 March 2018. Available from: <http://shipmanagementinternational.com/pen-test-partners-top-10-tactical-tips-to-reduce-the-risks-of-cyber-hacking/> Ethical hackers Pen Test Partners have spent a lot of time highlighting cyber vulnerabilities within the maritime sector by speaking at various shipping conferences and events to promote the need for better cyber security.

Cyber security at sea: The real threats. By David Rider. *Maritime Executive*. 10 March 2018. Available from: <https://maritime-executive.com/blog/cyber-security-at-sea-the-real-threats> The maritime cyber security landscape is a confusing place.

Dutch flag vessels near government approval for use of private armed guards.

By Andrew Spurrier. *Fairplay*. 13 March 2018. Available from: <https://fairplay.ihs.com/safety-regulation/article/4298766/dutch-flag-vessels-near-government-approval-for-use-of-private-armed-guards> The Royal Dutch Shipowners' Association (KVNR) said on 13 March that it was delighted after the Dutch lower house of parliament voted in favour of allowing Dutch flag vessels to use private sector armed guards to protect themselves from pirate attacks.

NIMASA, IMO move to enforce maritime security legislations . By Godwin Oritse.

Vanguard (Nigeria). 16 March 2018. Available from: <https://www.vanguardngr.com/2018/03/nimasa-imo-move-enforce-maritime-security-legislations/> In a bid to further strengthen the nation's maritime security, the Nigerian Maritime Administration and Safety Agency, NIMASA, in collaboration with International Maritime Organization, IMO, has commenced moves to develop capacity to implement and enforce maritime safety and security legislations.

Indonesia, Australia sign action plan on maritime cooperation. By Anton Hermansyah.

Jakarta Post. 16 March 2018. Available from: <http://www.thejakartapost.com/news/2018/03/16/ri-oz-sign-action-plan-on-maritime-cooperation.html> After one year of discussions, Indonesia and

Is Southeast Asia home to the most dangerous waters in the world? By Joe Baker.

Ship-Technology.Com. 14 March 2018. Available from: <https://www.ship-technology.com/features/southeast-asia-home-dangerous-waters-world/> Increasing piracy, shipping accidents and political disputes have made Southeast Asia a dangerous place for seafarers.

Maritime transport in Africa: Efforts to avoid illegal passengers. Cameroon Tribune.

21 March 2018. Available from: <https://www.cameroon-tribune.cm/articles/17602/fr/> International experts and port managers are meeting in a workshop in Yaounde to analyse the current situation of stowaways passengers on ships and define strategies to reduce their number.

Somali pirates return as illegal, unregulated, and unreported fishing continues in the Gulf of Aden. By Jean-Pierre Larroque.

Wilson Centre. 21 March 2018. Available from: <https://www.newsecuritybeat.org/2018/03/somali-pirates-return-illegal-unregulated-unreported-fishing-continues-gulf-aden/> After pirates hijacked an Iranian fishing vessel last year near Bosasso, a major seaport in Puntland, Somalia, local authorities observed that the offending boat was casting nets without a license.

China's military police given control of coastguard as Beijing boosts maritime security.

By Liu Zhen. *South China Morning Post*. 22 March 2018. Available from: <http://www.scmp.com/news/china/diplomacy-defence/article/2138257/chinas-military-police-given-control-coastguard-beijing> China has shifted control of its coastguard to its armed police force in a clear show of Beijing's commitment to protecting the nation's waterways.

Seychelles hosts high-level forum on maritime security. Seychelles Nation.

22 March 2018. Available from: <http://www.nation.sc/article.html?id=258148> Maritime security is not just one nation's concern but an international priority that can be tackled only by working together in a concerted manner.

Japan patrol vessel donation to help Palau counter maritime threats. By Nojima Tsuyoshi.

Nippon.Com (Japan). 23 March 2018. Available from: <https://www.nippon.com/en/features/c04802/> The island nation of Palau is known for its beautiful, calm, and crystal-clear waters.

\$11 Billion Invested to Improve Border Security. Jamaica Information Service.

28 March 2018. Available from: <http://jis.gov.jm/11-billion-invested-to-improve-border-security/> The Government has invested \$11 billion to improve border security, as part of its crime reduction strategy.

MIGRANTS

Mediterranean migrant arrivals reach 10,243 in 2018; Deaths reach 418.

International Organization for Migration (IOM). 2 March 2018. Available from:

<https://www.iom.int/news/mediterranean-migrant-arrivals-reach-10243-2018-deaths-reach-418> IOM reports that 10,243 migrants and refugees have entered Europe by sea through the first two months of 2018, with just over 50 per cent arriving in Italy and the remainder divided almost evenly between Greece and Spain.

Mediterranean migrant arrivals reach 10,949 in 2018; Deaths reach 442.

International Organization for Migration (IOM). 9 March 2018. Available from:

<http://www.iom.int/news/mediterranean-migrant-arrivals-reach-10949-2018-deaths-reach-442> IOM reports that 10,949 migrants and refugees have entered Europe by sea through the first nine weeks of 2018, with just under 51 percent arriving in Italy and the remainder divided between Greece (27%) Spain (22%) and Cyprus (less than 1%).

Evangelical churches on migrant rescue ships. *ANSAmед*. 12 March 2018. Available from:

http://www.ansamed.info/ansamed/en/news/sections/generalnews/2018/03/12/evangelical-churches-on-migrant-rescue-ships_dc0e41ac-e8ac-4ca5-9da6-c4a780597eb0.html Members of the Federation of Evangelical Churches in Italy (FCEI) are on the boats of NGOs tasked with rescuing migrants in danger at sea in the Mediterranean.

Six ways to protect migrants on the Central Mediterranean route. **By William Lacy Swing, Director General, International Organization for Migration.** *CNN*. 14 March 2018.

Available from: <https://edition.cnn.com/2018/03/13/opinions/lacy-swing-iom-6-ways-protect-migrants/index.html> 🇺🇸 The Mediterranean is one of the deadliest migration corridors in the world.

Mediterranean migrant arrivals reach 11,636 in 2018; Deaths reach 462.

International Organization for Migration (IOM). 13 March 2018. Available from:

<http://www.iom.int/news/mediterranean-migrant-arrivals-reach-11636-2018-deaths-reach-462> IOM reports that 11,636 migrants and refugees have entered Europe by sea through the first ten weeks of 2018, with just under 48 per cent arriving in Italy and the remainder divided between Greece (29%) Spain (23%) and Cyprus (less than 1%).

Migrant death in Italy points to dire conditions in Libya - aid workers. **By Steve Scherer.**

Reuters. 14 March 2018. Available from: <https://uk.reuters.com/article/uk-europe-migrants-italy/migrant-death-in-italy-points-to-dire-conditions-in-libya-aid-workers-idUKKCN1GQ2KF>

A 22-year-old Eritrean man died of tuberculosis exacerbated by severe malnutrition after being rescued at sea and brought to Italy, showing how dire conditions are in Libya for migrants, aid workers said.

Libyan Coast Guard threatens to kill migrant rescue team. *Maritime Executive*. 16 March 2018.

Available from: <https://www.maritime-executive.com/article/libyan-coast-guard-threatens-to-kill-migrant-rescue-team> On Thursday, the maritime rescue NGO Proactiva Open Arms reported a potentially dangerous encounter with the Libyan Coast Guard.

Mediterranean migrant arrivals reach 12,983 in 2018; Deaths reach 495.

International Organization for Migration (IOM). 20 March 2018. Available from:

<http://www.iom.int/news/mediterranean-migrant-arrivals-reach-12983-2018-deaths-reach-495> IOM reports that 12,983 migrants and refugees have entered Europe by sea through the first 11 weeks of 2018, with about 47 per cent arriving in Italy and the remainder divided between Greece (30%) Spain (22%) and Cyprus (less than 1%).

'My crew saved 218 migrants from drowning - so why are we the enemy?' By Lorenzo Tondo. *The Guardian*. 24 March 2018. Available from: <https://www.theguardian.com/world/2018/mar/24/proactiva-open-arms-rescue-boat-saved-218-from-drowning-mediterranean-migrants> Captain Marc Reig's ship is stuck in a Sicilian port, and a hostage to Italy's resurgent right, as charities become a target for their role in rescuing refugees

Mediterranean migrant arrivals reach 13,043 in 2018; Deaths reach 497. *International Organization for Migration (IOM)*. 23 March 2018. Available from: <https://www.iom.int/news/mediterranean-migrant-arrivals-reach-13043-2018-deaths-reach-497> reports that 13,043 migrants and refugees have entered Europe by sea through the first 80 days of 2018, with about 47 per cent arriving in Italy and the remainder divided between Greece (30%) Spain (22%) and Cyprus (less than 1%).

NAVIGATION & COMMUNICATIONS

Southern Ocean climate influence under the microscope in IMAS/IMOS Investigator voyage. *University of Tasmania (Australia)*. 1 March 2018. Available from: <http://www.media.utas.edu.au/general-news/all-news/southern-ocean-climate-influence-under-the-microscope-in-imasimos-investigator-voyage> A joint research voyage involving scientists from IMAS and IMOS (Integrated Marine Observing System) will this weekend sail for the Southern Ocean on board the Marine National Facility research vessel *Investigator*.

Experts: tenfold increase of Northern Sea Route's cargo turnover possible. *TASS Russian News Agency*. 2 March 2018. Available from: <http://tass.com/economy/992425> Building up the cargo turnover along the Northern Sea Route (NSR) to 80 million tonnes by 2025 is a realistic task, which may be achieved by developing infrastructures and the icebreaker fleet, experts in the transport sector told TASS.

This nuclear-powered ship will break through two meter thick Arctic ice at 12 knots speed. *Port News*. 2 March 2018. Available from: <http://en.portnews.ru/digest/19694/> It was icebreakers which was the prime interest of the Russian President as he this week met with Aleksey Likhachev, leader of state nuclear power company Rosatom.

Research mission to Larsen C Ice Shelf thwarted by sea ice . *British Antarctic Survey (BAS)*. 2 March 2018. Available from: <https://www.bas.ac.uk/media-post/research-mission-to-larsen-c-ice-shelf-thwarted-by-sea-ice/> Heavy sea ice conditions have thwarted a science mission from reaching the Larsen C Ice Shelf in Antarctica from which a large iceberg broke off in July 2017.

India, Vietnam emphasise freedom of navigation in South China Sea. *Economic Times (India)*. 4 March 2018. Available from: <https://economictimes.indiatimes.com/news/defence/india-vietnam-emphasise-freedom-of-navigation-in-south-china-sea/articleshow/63158850.cms> Amid increasing Chinese assertiveness in the region, India and Vietnam have underlined the importance of freedom of navigation and overflight in the South China Sea, while calling for peaceful settlement of disputes without threat or use of force.

Seabed mapping to improve Tonga's blue economy. *Matangi Tonga Online*. 5 March 2018. Available from: <http://matangitonga.to/2018/03/05/seabed-mapping-improve-tongas-blue-economy> Key areas of Tonga's seabed approaching the harbor in Nuku'alofa, are currently being mapped by state-of-the-art multibeam sonar equipment chartered by the UK Hydrographic Office (UKHO) to update nautical charts and publications.

Rolls-Royce offers ship navigators a bird's-eye view with Intelligent Awareness game-changer. *Rolls-Royce*. 6 March 2018. Available from: <https://www.rolls-royce.com/media/press-releases/yr-2018/06-03-2018-rr-offers-ship-navigators-a-birds-eye-view-with-intelligent-awareness-game-changer.aspx> Rolls-Royce has unveiled a sophisticated situational awareness system that fuses multiple sensors with intelligent software to mitigate against the safety risks navigators face when operating vessels at night, in adverse weather conditions or in congested waterways.

Op-ed: The Northern Sea Route is alive and well. By Jan-Gunnar Winther.

High North News (Norway). 7 March 2018. Available from: <http://www.highnorthnews.com/op-ed-the-northern-sea-route-is-alive-and-well/> Just a few years ago the increasing ship traffic in the Arctic, especially the so-called Northern Sea Route along Russia's northern coast, generated a great deal of attention.

Norwegian - Russian cooperation key to save lives as wave of new cruise ships sail north.

By Thomas Nilsen. *Independent Barents Observer (Norway)*. 9 March 2018. Available from: <https://thebarentsobserver.com/en/node/3670> An emergency involving a cruise ship in the waters around Svalbard or Franz Josef Land could in worst case stress search - and rescue organizations beyond their capacities.


Navy's Hydrographic Service prepares first Nautical Chart. *Government of Sri Lanka*.

10 March 2018. Available from:

http://www.defence.lk/new.asp?fname=Navys_Hydrographic_Service_prepares_first_Nautical_Chart_20180310_01 According to Navy media, the new chart covering the 'Kachchativu' island was officially handed over to the Commander of the Navy, Vice Admiral Sirimevan Ranasinghe by the Navy's Chief Hydrographer, Rear Admiral Sisira Jayakody during a brief ceremony.

Fishing boats 'Going Dark' raise suspicion of illegal catches, report says. By Scott Neuman.

National Public Radio (US). 12 March 2018. Available from: <https://www.npr.org/sections/thetwo-way/2018/03/11/592802471/fishing-boats-going-dark-raise-suspicion-of-illegal-catches-report-says> A new report raises concerns that when fishing vessels "go dark" by switching off electronic tracking devices, in many cases they are doing so to mask the taking of illegal catches in protected marine parks and restricted national waters.

Avoiding detection at sea? *Oceana*. 12 March 2018. Available from: <http://usa.oceana.org/press-releases/avoiding-detection-sea> Today, Oceana published a new investigative report highlighting four commercial fishing vessels that appeared to turn off their public tracking systems, potentially questionable behavior known as going dark at sea. [Avoiding Detection: Global Case Studies of Possible AIS Avoidance](#)  [Videos and Graphics](#)

The Role of Satellite Technology in the Maritime Industry. By Priyanka Ann Saini. *Sea News*.

12 March 2018. Available from: <http://seanews.co.uk/the-role-of-satellite-technology-in-the-maritime-industry/> Satellites have helped the maritime industry through various issues that include piracy, distress, navigation, oil spills, etc.

IoT is a leading force in helping the transport and logistics sector to drive down its carbon footprint, finds Inmarsat. *Inmarsat*. 13 March 2018. Available from:

<https://www.inmarsat.com/press-release/iot-is-a-leading-force-in-helping-the-transport-and-logistics-sector-to-drive-down-its-carbon-footprint-finds-inmarsat/> The Internet of Things (IoT) will play a pivotal role in enabling the transport and logistics sector to reduce its carbon footprint and minimise any negative impact on the environment.

Arctic sea ice becoming a spring hazard for North Atlantic ships. *University of Manitoba*

(Canada). 19 March 2018. Available from: <http://news.umanitoba.ca/arctic-sea-ice-becoming-a-spring-hazard-for-north-atlantic-ships/> More Arctic sea ice is entering the North Atlantic Ocean than before, making it increasingly dangerous for ships to navigate those waters in late spring, according to new research led by the University of Manitoba.

Correct use of ECDIS. *Skuld*. 22 March 2018. Available from: <https://www.skuld.com/topics/ship/navigation/correct-use-of-ecdis/> Skuld would like to bring to our Members' attention the United Kingdom's Marine Accident Investigation Branch's (MAIB) Accident Investigation Report 22/2017 which highlights the dangers of misuse of an electronic chart display and information system (ECDIS) in passage planning and monitoring.

U.S., Russian representatives jointly make Bering Strait navigation initiative at Arctic Council meeting. *Xinhuanet (China)*. 24 March 2018. Available from: http://www.xinhuanet.com/english/2018-03/24/c_137061249.htm Representatives from the U.S. and Russia formulated a joint initiative on the practical navigation in the Bering Strait.

HMM to concentrate on services for European and Indian routes. By Jung Min-hee. *Business Korea (South Korea)*. 26 March 2018. Available from: <http://www.businesskorea.co.kr/english/news/industry/21272-instead-east-coast-na-hmm-concentrate-services-european-and-indian-routes> According to the maritime industry and Chosun Biz on March 26, Hyundai Merchant Marine (HMM) decided to stop negotiations for route services to the east coast of North America with Israeli shipping company ZIM, and accordingly there will be no national flag carrier to provide the services for a while.

ECDIS: What happens when the GPS signal goes away? By Richard Madden. *Maritime Executive*. 26 March 2018. Available from: <https://maritime-executive.com/blog/ecdis-what-happens-when-the-gps-signal-goes-away> The U.S. Maritime Administration issued U.S. Maritime Alert 2018-004 A "Possible GPS Interference – Eastern Mediterranean Sea" on March 23 in response to reports of GPS disruptions and interference from multiple vessels and aircraft between Cyprus and Port Said, Egypt.

Greenland: Passenger Ship Stuck in Ice. *Maritime Executive*. 26 March 2018. Available from: <https://www.maritime-executive.com/article/greenland-passenger-ship-stuck-in-ice> The Arctic Umiac Line passenger ship *Sarfaq Ittuk* has been stuck in ice in Torssukatak in southern Greenland since last Wednesday.

The right whale to save. By Lauren Laughlin. *US Coast Guard Compass*. 26 March 2018. Available from: <http://coastguard.dodlive.mil/2018/03/the-right-whale-to-save/> Right whales are dying.

Ice-breaking LNG carrier "Vladimir Rusanov" for Yamal LNG project started the first loading operation in the Yamal LNG plant at Sabetta Port. *Mitsui O.S.K.Lines (MOL)*. 29 March 2018. Available from: <http://www.mol.co.jp/en/pr/2018/18021.html> MOL President & CEO: Junichiro Ikeda today announced that from March 27 to March 28 the first loading operation of the Ice-Breaking LNG Carrier *Vladimir Rusanov*, which was jointly ordered by MOL and China COSCO Shipping Corporation Limited (China COSCO Shipping), was conducted in the Yamal LNG plant at Sabetta port.

PIRACY

After Somali piracy, is sailing the Western Indian Ocean safe again? By Christian Bueger and Timothy Edmunds. *The Conversation*. 28 February 2018. Available from: <https://theconversation.com/after-somali-piracy-is-sailing-the-western-indian-ocean-safe-again-91578>
This year marks the 10th anniversary of the international campaign against Somali piracy.

Armed robberies, no piracy in Asia during February: ReCAAP ISC. By Baibhav Mishra. *Sea News*. 9 March 2018. Available from: <http://seanews.co.uk/armed-robberies-no-piracy-in-asia-during-february-recaap-isc/> A total of five incidents of armed robbery against ships were reported in Asia in February 2018.

Nigeria suffered 41 piracy attacks in 2017 - NIMASA. By Tola Adenubi. *Nigerian Tribune*. 15 March 2018. Available from: <http://www.tribuneonline.ng.com/nigeria-suffered-41-piracy-attacks-in-2017-nimasa/> Nigeria recorded 41 piracy attacks on vessels calling at her ports in the whole of 2017, the Nigerian Maritime Administration and Safety Agency (NIMASA) stated in its 'Nigeria's Maritime Industry Forecast 2018-2019'.


Yet another tanker is attacked off Nigeria. By Cichen Shen. *Lloyd's List*. 16 March 2018. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1121860/Yet-another-tanker-is-attacked-off-Nigeria> The waters off Nigeria have seen yet another attack on a merchant vessel, as piracy activities ramp up in the region.

Pirates sighted in Ghana's territorial waters - Attacks on ships increase in Gulf of Guinea. By Kester Aburam Korankye. *Graphic Online (Ghana)*. 20 March 2018. Available from: <https://www.graphic.com.gh/business/business-news/pirates-sighted-in-ghana-s-territorial-waters-attacks-on-ships-increase-in-gulf-of-guinea.html> The warning comes in the wake of increased activities of pirates off the coast of Ghana and in the sub region.

Keeping pirates at bay: On board with the Canadian navy off the coast of Nigeria. By Anna Cunningham. *Canadian Broadcasting Corporation (CBC)*. 28 March 2018. Available from: <http://www.cbc.ca/news/world/keeping-pirates-at-bay-on-board-with-the-canadian-navy-off-the-coast-of-nigeria-1.4590286> The warm waters of the Gulf of Guinea beyond the bustling navy dockyard in southern Lagos, Nigeria, can be deceptively calm.

PORT STATE CONTROL

Foreign flagged ships detained in the UK during February 2018. UK Maritime & Coastguard Agency. 5 March 2018. Available from: <https://www.gov.uk/government/news/foreign-flagged-ships-detained-in-the-uk-during-february-2018> During February, there was one new detention of foreign flagged vessels in a UK port, six vessels remained under detention from previous months.

Ballast water management and port state control - checklist for preparation of PSC inspections. DNV GL. 21 March 2018. Available from: <https://www.dnvgl.com/news/ballast-water-management-and-port-state-control-checklist-for-preparation-of-psc-inspections-115371> The international Ballast Water Management Convention (BWMC) came into force on 8 September 2017. [Ballast Water Management and Port State Control - checklist for preparation of PSC inspections](#) 

Nigeria may lose out from Abuja MoU over low shipping capacity, infrastructure. Business Highlights (Nigeria). 26 March 2018. Available from: <http://businesshighlights.com.ng/nigeria-may-lose-out-from-abuja-mou-over-low-shipping-capacity-infrastructure/> Ahead of new drive to harmonize port state control inspection procedures that will lead to the elimination of substandard shipping in the West and Central Africa sub-region, the Abuja Memorandum of Understanding (MoU) will host its 3rd Ministerial Conference and 9th Port state Control Committee Meeting soon.

Third ministerial conference of Abuja MoU on port state control for West and Central Africa. *Ghana Maritime Authority*. 26 March 2018. Available from: http://www.ghanamaritime.org/news_page.php?id=38 The Ghana Maritime Authority under the distinguish patronage of the Ministry of Transport is scheduled to host the 9th Port State Control Committee meeting, and the 3rd Ministerial Conference of the Memorandum of Understanding on Port State Control for West and Central African region (Abuja MoU) in Accra - Ghana.

PORTS & HARBOURS

Port of Antwerp intensifies cooperation with coast of West Africa. *Port of Antwerp*. 2 March 2018. Available from: <http://www.portofantwerp.com/en/news/port-antwerp-intensifies-cooperation-coast-west-africa> Antwerp and Dakar port authorities are to collaborate more closely in the next few years.

ESPO asks Brexit negotiators to prioritise impact for ports in the assessment of potential post-Brexit scenarios. *European Sea Ports Organisation (ESPO)*. 6 March 2018. Available from: <https://www.espo.be/news/espo-asks-brexit-negotiators-to-prioritise-impact-> The European Sea Ports Organisation has developed a position paper to submit to the negotiators now that Brexit has entered the second phase. [Position of the European Sea Ports Organisation on Brexit](#) 

Djibouti signs port deal with Singapore-based Pacific International Lines. *Reuters*. 6 March 2018. Available from: <https://af.reuters.com/article/topNews/idAFKCN1G11G6-OZATP> Djibouti's Doraleh Container Terminal Management Company has signed a deal with Singapore-based Pacific International Lines to raise by a third the amount of cargo handled at the port, the country's Ports and Zones Authority said on Tuesday.

Ports of Bremen and Bremerhaven sign up to Arctic commitment. *Bremenports GmbH & Co.KG*. 7 March 2018. Available from: <http://bremenports.de/en/ports-of-bremen-and-bremerhaven-sign-up-to-arctic-commitment/> The ports of Bremen and Bremerhaven, Germany, have joined an ambitious campaign to a ban on heavy fuel oil (HFO) from Arctic shipping – along with more than 80 companies, organisations, politicians, NGOs and explorers.

ESPO pleads for a strong connecting Europe facility to support the 48 billion EUR European port investment needs. *European Sea Ports Organisation (ESPO)*. 9 March 2018. Available from: <https://www.espo.be/news/espo-pleads-for-a-strong-connecting-europe-facilit> This week, the European Sea Ports Organisation (ESPO) has submitted its contribution to the public consultation in preparation of the new Connecting Europe Facility (CEF II) for the financial period 2021-2028. [The Infrastructure Investment Needs and Financing Challenge of European Ports](#) 

Singapore will remain world's top bunkering hub post 2020: Maersk executive. *By Rajesh Nair. S&P Global Platts*. 12 March 2018. Available from: <https://www.platts.com/latest-news/shipping/singapore/singapore-will-remain-worlds-top-bunkering-hub-27922489> Singapore will continue to be the world's largest ship refueling destination going into 2020 and beyond, Maersk regional trading head Peter Beekhuis said Friday at the S&P Global Platts Asian Refining Summit in Singapore.

US pledges support to Djibouti. *Port Strategy*. 12 March 2018. Available from: <http://www.portstrategy.com/news101/world/africa/us-pledges-support-to-djibouti> Following a press conference between US Secretary of State Rex Tillerson and Djiboutian Foreign Minister Mahamoud Ali Youssouf, Mr Tillerson said that there had been discussion about the US' work to support reforms that would create long-term prosperity for Djibouti and make it more competitive for investments and trade.

Largest construction ever shipped via the Port of Gothenburg. *Port of Gothenburg.*

13 March 2018. Available from: <https://www.portofgothenburg.com/news-room/news/largest-construction-ever-shipped-via-the-port-of-gothenburg/> The construction process began five years ago, and now this eight-storey accommodation module, built by Apply Emtunga for the Martin Linge oilfield in the North Sea, is loaded and ready for delivery.

ECSA, WSC call for revision of reporting rules at EU ports . *World Maritime News.*

15 March 2018. Available from: <https://worldmaritimeneeds.com/archives/247300/> The European Commission is expected to publish a proposal for a revision of the RFD in early May 2018 that is intended to remedy the current costly, unharmonised and burdensome reporting requirements facing ships calling at EU ports.

Ports & shipowners: gas development deal in Italy. *MediTelegraph (Italy).* 14 March 2018.

Available from: <http://www.themeditelegraph.com/en/shipping/shipowners/2018/03/14/ports-shipowners-gas-development-deal-italy-bOyL2lF49w0xkz5x9umFzK/index.html> An agreement on the use of liquefied natural gas in port areas was approved by Italy's shipowners' associations (Confitarma e AssArmatori) and the associations of the gas sector (Federchimica-Assogasliquidi and Assocostieri) - under the coordination of Assoport - and has been signed by all parties.

Djibouti sees China involvement in Port as no threat to U.S. *By Nizar Manek. Bloomberg.*

14 March 2018. Available from: <https://www.bloomberg.com/news/articles/2018-03-14/djibouti-sees-chinese-involvement-in-port-as-no-threat-to-u-s> Djibouti's government will embrace greater Chinese involvement in the nation's ports and sees no reasons for U.S. concern that its strategic interests may be threatened, Finance Minister Ilyas Dawaleh said.

Factbox: Comparison of 2017 bunker fuel demand data at key marine hubs. *By Maurice Geller. S&P Global Platts.*

15 March 2018. Available from: <https://www.platts.com/latest-news/shipping/london/factbox-comparison-of-2017-bunker-fuel-demand-21569258> The following are the 2017 marine fuel demand data and estimates for the world's three largest bunkering hubs -- Singapore, Rotterdam and Fujairah.

Consortium of shipping giants perform blockchain tests. *Port Technology International.*

16 March 2018. Available from: https://www.porttechnology.org/news/consortium_of_shipping_giants_perform_blockchain_tests The consortium has tested a solution that they claim can eliminate the need for printed shipping documents and save the freight and logistics industry hundreds of millions of dollars annually.


Hamad Port reaches 1mn TEU milestone in record time. *By Peter Alagos. Gulf Times (Qatar).*

19 March 2018. Available from: <http://www.gulf-times.com/story/585688/Hamad-Port-hits-one-million-containers-mark> Hamad Port has reached the 1mn TEU (twenty-foot equivalent unit) mark in only under 14 months, a significant milestone described as "one of the fastest in the region" achieved amidst an economic blockade imposed on Qatar in June 2017.

Asia-Pacific's biggest ports face steep climate bill - study. *By Michael Taylor. Reuters.*

21 March 2018. Available from: <https://af.reuters.com/article/commoditiesNews/idAFL8N1R1257> Upgrading Asia-Pacific's biggest ports to cope with the effects of climate change will cost up to \$49 billion, but the bill could be even higher if no action is taken, researchers said.

Climate costs for Asia Pacific ports. *Asia Research & Engagement (ARE).* March 2018.

Available from: <https://www.asiareengage.com/reports/2018/1/29/asia-pacific-land-use-forum-2017-report-am9t2> The report sets out cost projections for elevating ports in Asia Pacific to withstand climate change risks from rising sea levels and greater storm intensity. [Full Report](#) 

1,000 Port Partners Sign Sustainable Development Goals. *Maritime Executive*. 22 March 2018. Available from: <https://www.maritime-executive.com/article/1-000-port-partners-sign-sustainable-development-goals#gs.Twsohcl> On Thursday, nearly 1,000 ports and port-related enterprises met in Antwerp, Belgium to sign the charter of the new World Ports Sustainability Program (WPSP).

Port of Antwerp pushes ahead with onshore power for ships. *Port of Antwerp*. 22 March 2018. Available from: <http://www.portofantwerp.com/en/news/port-antwerp-pushes-ahead-onshore-power-ships> The Antwerp Port Authority aims to create the necessary conditions to supply onshore power for seagoing ships in the port.

ESPO outlines its priorities for the revision of the Reporting Formalities Directive. *European Sea Ports Organisation (ESPO)*. 22 March 2018. Available from: <https://www.espo.be/news/espo-outlines-its-priorities-for-the-revision-of-t> The Commission is drafting the proposal for the revision of the Reporting Formalities Directive and ESPO wants to outline once more its priorities and concerns through a position paper on this upcoming proposal. [ESPO Position on the Revision of the Reporting Formalities Directive](#)

Cruise shipping to return to Port Royal. By Latonya Linton. *Jamaica Information Service*. 22 March 2018. Available from: <https://jis.gov.jm/cruise-shipping-to-return-to-port-royal/> Cabinet has approved the development of a cruise-shipping terminal at Port Royal, creating a platform for the restoration of the sector in the historic town.

Let's make Africa unattractive for substandard ships to operate - Bawumia. *GhanaWeb*. 28 March 2018. Available from: <https://www.ghanaweb.com/GhanaHomePage/NewsArchive/Let-s-make-Africa-unattractive-for-substandard-ships-to-operate-Bawumia-638541> Vice President Dr Mahamudu Bawumia has charged coastal African countries to ensure greater supervision and circumspection to eliminate unworthy ships from their ports.

REGULATIONS

Garbage disposal and handling of residues from solid bulk cargoes. *Gard*. 28 February 2018. Available from: <http://www.gard.no/web/updates/content/25062775/garbage-disposal-and-handling-of-residues-from-solid-bulk-cargoes-> The current version of MARPOL Annex V entered into force on 1 January 2013 and prohibits the discharge of all garbage into the sea in general.

Refiners need cleaner fuels to meet environmental regulations. By Inderpreet Walia. *Lloyd's List*. 2 March 2018. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1121660> Refiners avoid the topic of producing cleaner bunker fuels leaving shipowners to shoulder the burden of impending marine fuel regulations, claimed participants at the Mare Forum in Singapore.

"Regulation is welcome but should be measured and wise". *International Association of Dry Cargo Shipowners (INTERCARGO)*. 6 March 2018. Available from: <https://bit.ly/2JtLNHr> INTERCARGO held its Technical and Executive Committees' meetings in Singapore on 5 and 6 March 2018.

20|20 Marine Energy and BunkerMetric sign agreement to launch predictive analysis technology for 2020 compliance. *Hellenic Shipping News*. 8 March 2018. Available from: <https://www.hellenicshippingnews.com/2020-marine-energy-and-bunkermetric-sign-agreement-to-launch-predictive-analysis-technology-for-2020-compliance/> 20|20 Marine Energy and BunkerMetric announced the signing of a Memorandum of Understanding (MoU), which will see the launch of a new predictive analysis tool that enables ship owners, operators and fuel buyers to understand the financial and operational impact of the impending MARPOL Annex VI global 0.5% sulphur cap on their fleets when it comes into force on 1st January 2020.

Brazil fights emissions cap for shipping, citing cost concerns. By Megan Darby.

Climate Home News. 8 March 2018. Available from:

<http://www.climatechangenews.com/2018/03/08/brazil-fights-emissions-cap-shipping-citing-cost-concerns/>

A joint submission to the International Maritime Organisation (IMO) from Brazil, India, Argentina and Saudi Arabia scratches out large parts of a draft global agreement due to be finalised next month.

BP expects strong compliance for marine sulphur emissions caps. By Devika Krishna Kumar.

Reuters. 13 March 2018. Available from: <https://uk.reuters.com/article/uk-usa-fuel-shipping/bp-expects-strong-compliance-for-marine-sulphur-emissions-caps-idUKKCN1GP2RK>

Oil major BP Plc expects more than 90 percent of the world's shipping fleet will comply with new regulations slashing sulphur levels ships are allowed to burn starting 2020, a company executive said on Tuesday.

Uncertainty looms over extent of scrubber use ahead of IMO 2020 rule. By Surabhi Sahu and Ether Ng.

S&P Global Platts. 13 March 2018. Available from: <https://www.platts.com/latest-news/shipping/singapore/feature-uncertainty-looms-over-extent-of-scrubber-26908156>

A cloud of uncertainty over the marine fuel mix hovers ahead of the International Maritime Organization's global sulfur cap regulation, with many sources saying that shipowners are likely to wait and watch before choosing a viable option including using scrubbers to comply with the rule.

Emissions regulations: 'It's not easy being green'. By Robert Kunkel.

Maritime Propulsion. 15 March 2018. Available from: <https://www.maritimepropulsion.com/news/emissions-regulations-not-easy-535114>

Whether your marine operation is a major corporation or a family "mom and pop" company, the type of fuel you now burn or for that matter what emanates from your stack each day after the burn has now become a major source of confusion.

LSFO set to be default bunker fuel choice as IMO 2020 rule nears: Bimco exec. By Surabhi Sahu, Eric Yep, Sameer Mohindru, and Irene Tang.

S&P Global Platts. 20 March 2018.

Available from: <https://www.platts.com/latest-news/shipping/singapore/lsfo-set-to-be-default-bunker-fuel-choice-as-27933955>

Low sulfur fuel oil will likely be the default marine fuel option for many shipowners in 2020, particularly the smaller ones, should they decide to adopt a wait-and-see stance ahead of the International Maritime Organization's 0.5% global sulfur cap rule, a senior Bimco executive said last week.

LNG group jumps on carriage ban bandwagon. By Jamey Bergman.

LNG World Shipping. 20 March 2018. Available from: http://www.lngworldshipping.com/news/view,Lng-group-jumps-on-carriage-ban-bandwagon_51159.htm

A coalition backing the uptake of liquified natural gas as shipping fuel has joined the call for a carriage ban on high sulphur fuel oil on merchant vessels.

Ship Owners' Multibillion-Dollar Quandary: Buy Cleaner Fuel or a Fuel Cleaner?

Hellenic Shipping News. 21 March 2018. Available from: <https://www.hellenicshippingnews.com/ship-owners-multibillion-dollar-quandary-buy-cleaner-fuel-or-a-fuel-cleaner/>

The owners of 60,000 cargo ships are bracing for tighter emissions rules that are forcing them to make a multibillion-dollar choice: Start buying cleaner-burning fuel or invest in a device that treats the ship's exhaust before letting it out.

IMO2020 rule lets sophisticated refineries print money: Wood Mackenzie.

Ship & Bunker. 22 March 2018. Available from: <https://shipandbunker.com/news/world/423259-imo2020-rule-lets-sophisticated-refineries-print-money-wood-mackenzie>

The upcoming IMO2020 rule will give sophisticated refiners a licence to print money, according to Alan Gelder, vice president for refining, chemicals and oil markets at Wood Mackenzie.

Rich rewards await oil refiners as ships made to switch fuel. By Bill Lehane. *Bloomberg*. 22 March 2018. Available from: <https://www.bloombergquint.com/business/2018/03/21/top-refiners-await-gilded-age-as-ships-forced-to-cut-pollution> Ready the cash-printing machines -- the world's most sophisticated refineries are about to enjoy great times thanks to what might seem like a minor tweak in rules for the type of fuel ships consume.

Ballast water deficiencies in US double in 2017. By John Gallagher. *Fairplay*. 23 March 2018. Available from: <https://fairplay.ihs.com/safety-regulation/article/4299211/ballast-water-deficiencies-in-us-double-in-2017> Commercial shipowners are feeling the sting of the US Coast Guard's (USCG's) stepped-up efforts to ensure vessels trading in the United States are complying with US ballast water regulations, according to preliminary data obtained by Fairplay.

SALVAGE

Lomar contracts salvage for *Kea Trader* wreck. By Martyn Wingrove. *Tug Technology & Business*. 6 March 2018. Available from: http://www.tugtechnologyandbusiness.com/news/view,lomar-contracts-salvage-for-ikea-traderi-wreck_50999.htm Lomar Shipping, owner of the *Kea Trader* wreck in the southern Pacific, has contracted Shanghai Salvage Co (SSC) to remove the vessel from a rocky reef near New Caledonia in the south Pacific.

Salvors work to refloat freighter at Port of Lisbon. *Maritime Executive*. 15 March 2018. Available from: <https://www.maritime-executive.com/article/salvors-work-to-refloat-freighter-at-port-of-lisbon#gs.H8KtZq0> Salvors are still working on refloating the freighter *Betanzos*, which lost power and went aground at the entrance to the port of Lisbon on March 6.

IMO needs to organise Arctic salvage contingencies. By Martyn Wingrove. *tug Technology & Business*. 21 March 2018. Available from: http://www.tugtechnologyandbusiness.com/news/view,imo-needs-to-organise-arctic-salvage-contingencies_51170.htm The grounding of a bulk carrier in the Arctic this month has thrown the spotlight on how poorly prepared shipping is for emergency response in northern seas at a time when traffic in the region is climbing.

Can superyachts act as salvage vessels? By Tim Akpinar. *Superyacht News*. 21 March 2018. Available from: <http://www.superyachtnews.com/business/yacht-acts-as-a-salvage-vessel> Almost 40 years ago, one of the most harrowing salvage efforts in history unfolded off the western coast of France.

SEAFARERS

Tending mariners' physical, emotional well-being keeps crew ship-shape. By Andrea Rumbaugh. *Houston Chronicle (US)*. 28 February 2018. Available from:

<https://www.houstonchronicle.com/business/article/Tending-mariners-physical-emotional-12717687.php> The Port of Houston is often described as an economic engine, spurring trade and creating jobs across the city.

Qawra shipwreck crew on way back home. By Rebecca Iversen. *Malta Independent*.

28 February 2018. Available from: <http://www.independent.com.mt/articles/2018-02-28/local-news/Qawra-shipwreck-crew-on-way-back-home-6736185413> The crew of a ship that ran aground in Qawra on the feast of St Paul had nothing but words of praise to the Maltese people who helped them after their ordeal.

Call for help for abandoned crewmembers. *Maritime Denmark*. 28 February 2018. Available from: <http://www.maritimedenmark.dk/?Id=19479> "We need help to get our wages and tickets to travel home."

AIDA Names First Female Captain. *Cruise Industry News*. 4 March 2018. Available from:

<https://www.cruiseindustrynews.com/cruise-news/18639-aida-names-first-female-captain.html> Nicole Langosch has been named captain aboard the *AIDA Sol*, becoming the first female captain in the AIDA Cruises fleet, according to a statement.

Life of abandoned crew off Tunisia compared to a sinking prison. By Sam Chambers.

Splash 247.com. 5 March 2018. Available from: <http://splash247.com/life-abandoned-crew-off-tunisia-compared-sinking-prison/> Comparing his ship to a prison at risk of sinking, the master of the abandoned chemical tanker *Qaaswa* has contacted Splash with further details of his crew's plight.

What's it like being a female cadet? By Holly Birkett. *UK Chamber of Shipping*. 8 March 2018.

Available from: <https://www.ukchamberofshipping.com/latest/whats-it-being-female-cadet/> We hear so much about shipping being a male-dominated industry, especially at sea - does this translate to being a hostile environment for women to work?

Women at Sea - Ekaterina's Story. *International Seafarers' Welfare and Assistance Network (ISWAN)*. 8 March 2018. Available from:

<http://seafarerswelfare.org/news-and-media/latest-news/women-at-sea-%E2%80%93-ekaterinas-story> Today is International Women's Day and we are celebrating all the women who work as seafarers, making up 2% of the workforce.

ITF: Abandoned crew of *Natig Aliyev* paid outstanding wages. *World Maritime News*.

9 March 2018. Available from: <https://worldmaritimeneeds.com/archives/246841> A spokesperson of the International Transport Workers' Federation (ITF) told World Maritime News that an inspection of the vessel on March 2 by an ITF Inspector Morten Bach, the Port State Control, and surveyors from the Malta flag state and the P&I club, led to the immediate payment of outstanding wages.

Interview: Shore-based jobs big opportunity for women to join maritime. *World Maritime News*.

12 March 2018. Available from: <https://worldmaritimeneeds.com/archives/246969> Although things have changed when looking at the global industry, the maritime sector is still a comparatively dangerous one even in countries in which women are encouraged to play an active role in the workforce.

The Royal Alfred Society: a shelter for seafarers since 1865. By Eva Grey.

Ship-Technology.com. 12 March 2018. Available from: <https://www.ship-technology.com/features/royal-alfred-society-shelter-seafarers-since-1865/> Nestled at the edge of a green recreational park in the Surrey countryside is an institution that for a century and a half has offered a place of refuge, companionship and specialised care for seafarers, their widows and their dependants.

Shape up or ship out? What lies ahead for shipping crews in the wake of technological change. By Heidi Watson. *Clyde & Co LLP*. 12 March 2018. Available from:

<https://www.clydeco.com/insight/article/shape-up-or-ship-out-what-lays-ahead-for-shipping-crews-in-the-wake-of-tech> Over the last two decades the marine industry has been led by innovative change, with crews changing size and skills to adapt to new technologies.

Port Chaplain Directory 2018. *Apostleship of the Sea (AoS)*. 14 March 2018. Available from:

<https://www.apostleshipofthesea.org.uk/port-chaplain-directory-2018> Apostleship of the Sea (AoS) has launched its global port chaplains' directory which helps seafarers and fishermen get access to pastoral and welfare support wherever they are in the world.

[Apostleship of the Sea: Stella Maris - Port Chaplain Directory 2018](#) 

The Mission to Seafarers: "Seafarer Happiness is a Key Measure for Progress and Growth".

Ship Management International. 20 March 2018. Available from:

<http://shipmanagementinternational.com/the-mission-to-seafarers-seafarer-happiness-is-a-key-measure-for-progress-and-growth/> On the International Day of Happiness, seafarer welfare charity,


The Mission to Seafarers, urged international shipping to take seafarer happiness more seriously as a success indicator and key factor in growth.

Helpline for seafarers now available on Viber. *International Seafarers' Welfare and Assistance*

Network (ISWAN). 20 March 2018. Available from: [http://seafarerswelfare.org/news-and-](http://seafarerswelfare.org/news-and-media/latest-news/helpline-for-seafarers-now-available-on-viber)

[media/latest-news/helpline-for-seafarers-now-available-on-viber](http://seafarerswelfare.org/news-and-media/latest-news/helpline-for-seafarers-now-available-on-viber) In 2017, ISWAN's SeafarerHelp assisted 8,862 seafarers of 92 different nationalities with concerns such as family issues, personal problems, unpaid wages, repatriation and health issues.

Seafarers Happiness Index Q4 2017. *Mission to Seafarers*. 20 March 2018. Available from:

<https://www.missiontoseafarers.org/Handlers/Download.ashx?IDMF=1bac527c-bf8e-4fea-a622-82d375f64d02>  As this is the first of a new set of Seafarer Happiness Index reports, there is no current Mission to Seafarers data set to compare with.

The continued safety risks of crew fatigue. By Martin Ewence. *Fairplay*. 23 March 2018.

Available from: [https://fairplay.ihs.com/safety-regulation/article/4299191/the-continued-safety-risks-](https://fairplay.ihs.com/safety-regulation/article/4299191/the-continued-safety-risks-of-crew-fatigue)

[of-crew-fatigue](https://fairplay.ihs.com/safety-regulation/article/4299191/the-continued-safety-risks-of-crew-fatigue) In June 2017 Arleigh Burke-class destroyer *USS Fitzgerald* collided with container ship *Alnic MC* in open water to the south of Tokyo, and in August *USS John McCain* of the same class collided with a slow moving tanker, *ACX Crystal* off Singapore.

An interview with an Ordinary Seaman. *International Seafarers' Welfare and Assistance Network*

(ISWAN). 26 March 2018. Available from: [http://seafarerswelfare.org/news-and-media/latest-](http://seafarerswelfare.org/news-and-media/latest-news/an-interview-with-an-ordinary-seaman)

[news/an-interview-with-an-ordinary-seaman](http://seafarerswelfare.org/news-and-media/latest-news/an-interview-with-an-ordinary-seaman) Meet Ricardo Javier Finol Soto! Ricardo is an Ordinary Seaman from Venezuela in his first year as a seafarer and is studying for a master's degree in his spare time.

NMP: More women becoming seafarers. By William Depasupil. *Manila Times*. 27 March 2018.

Available from: <http://www.manilatimes.net/nmp-more-women-becoming-seafarers/388680/> More

women are joining the Philippine maritime industry as seafarers, resulting in improved productivity and reflecting the government's commitment to the United Nations (UN) to promote gender equality in the sector, state-run National Maritime Polytechnic (NMP) said recently.

Celebrations as *Malaviya Seven* crew finally paid. By Kieran Beattie. *Press and Journal (UK)*.

27 March 2018. Available from:

[https://www.pressandjournal.co.uk/fp/news/aberdeen/1441759/celebrations-as-malaviya-seven-](https://www.pressandjournal.co.uk/fp/news/aberdeen/1441759/celebrations-as-malaviya-seven-crew-finally-paid/)

[crew-finally-paid/](https://www.pressandjournal.co.uk/fp/news/aberdeen/1441759/celebrations-as-malaviya-seven-crew-finally-paid/) A routine inspection in June 2016 found the 12 seafarers on board the *Malaviya Seven* offshore supply vessel had not been paid in months, and the ship was forbidden from leaving Aberdeen Harbour.

SEARCH & RESCUE

Canada's northern people deserve better Arctic SAR capabilities. By Pierre Leblanc. *Maritime Executive*. 10 March 2018. Available from: <https://www.maritime-executive.com/editorials/canada-s-northern-people-deserve-better-arctic-sar-capabilities> The Canadian Standing Senate Committee on Fisheries and Oceans met last month to study maritime search and rescue activities, including current challenges and opportunities.

SHIP RECYCLING

Major shipping companies and banks to shed light on scrapping. By Louise Vogdrup-Schmidt. *ShippingWatch*. 7 March 2018. Available from: <https://shippingwatch.com/secure/carriers/article10385208.ece> A group of major shipping companies has joined forces with two financial institutions and Lloyd's Register to launch a project Wednesday aimed at making the process of scrapping vessels more transparent.

New transparency initiative launched to accelerate responsible ship recycling practices. By Ulrike Stein. *Forum for the Future*. 7 March 2018. Available from: <https://www.forumforthefuture.org/media-centre/new-transparency-initiative-launched-accelerate-responsible-ship-recycling-practices> Industry leaders and non-profits Forum for the Future and the Sustainable Shipping Initiative today announced the launch of the Ship Recycling Transparency Initiative with the goal of increasing responsible ship recycling practices.

Berlin should back IMO scrap deal and reject Brussels. By Julian Bray. *TradeWinds*. 8 March 2018. Available from: <http://www.tradewindsnews.com/casualties/1449131/berlin-should-back-imo-scrap-deal-and-reject-brussels> German's new coalition government has been urged to ratify the IMO's Hong Kong convention on ship scrapping to accelerate improvement of poor environmental and labour standards in demolition market.

Perils of ship breaking in Bangladesh. By Baibhav Mishra. *Sea News*. 15 March 2018. Available from: <http://seanews.co.uk/perils-of-ship-breaking-in-bangladesh/> Bangladesh is one of the six surviving ship-breaking nations in the world, along with China, India, Turkey, Pakistan and Myanmar.

A European road map of ship recycling. By Nikos Mikelis. *Hellenic Shipping News*. 19 March 2018. Available from: <https://www.hellenicshippingnews.com/a-european-road-map-of-ship-recycling/> In 2011 the European Union through the European Commission concluded that the regulation of ship recycling activities through the European Regulation on Shipments of Waste (EC) No 1013/2006 was not effective as 91% of the ships that should be controlled by the Regulation during their study period had evaded its provisions (presumably the remaining 9% being mostly small ships and also government owned ships).

SHIPBUILDING & SHIPREPAIR

Expedition ship newbuilding rush could risk safety. *Maritime Executive*. 28 February 2018. Available from: <https://www.maritime-executive.com/editorials/expedition-ship-newbuilding-rush-could-risk-safety> Booming demand for expedition ships should not mean that good and safe shipbuilding practices for passenger vessels are compromised, leading naval architecture and engineering company Foreship has warned.

HHI targets smart ship market with latest MOU. *Korea JoongAng Daily (South Korea)*. 2 March 2018. Available from: <http://koreajoongangdaily.joins.com/news/article/article.aspx?aid=3045111> Hyundai Heavy Industries Group inked a memorandum of understanding with Switzerland-based engine maker Winterthur Gas & Diesel (WinGD) to strengthen its smart ship system, the company said Thursday.

WinGD and HHI collaborate to deliver increased intelligence to the marine industry. *Winterthur Gas & Diesel (WinGD)*. 2 March 2018. Available from: <https://www.wingd.com/en/media/press-releases/the-smart-engine-in-the-smart-ship/> Winterthur Gas & Diesel and Hyundai Heavy Industries Group recently signed, the first agreement of its kind to integrate their advanced digital technologies to provide greater insight and benefit to ship owners from their engine and ship data.

Hyundai Heavy Industries to use robots in shipbuilding. *Yonhap News Agency (South Korea)*. 4 March 2018. Available from: <http://english.yonhapnews.co.kr/news/2018/03/04/0200000000AEN20180304001100320.html> Hyundai Heavy Industries Co. said Sunday it will use robots to build ships for the first time in the industry to improve efficiency and cut costs.

More and more LNG ships in the Mediterranean but supply networks exist only on paper. *MediTelegraph (Italy)*. 7 March 2018. Available from: <https://bit.ly/2GMbhyd> In 2021 even Disney Cruises will get its first LNG-powered cruise ship, one able to accommodate 2,500 passengers, and with a 900-million dollar price tag; "If Scrooge McDuck is investing, it really means something," jokes Mario Dogliani, technical director of Sea-Europe, the European Association of Ship Builders.

Europe sails towards electrified shipping fleets. *Hellenic Shipping News*. 12 March 2018. Available from: <https://www.hellenicshippingnews.com/europe-sails-towards-electrified-shipping-fleets/> Since early 2015, a mid-sized car ferry, the *MS Ampere*, has been traversing the Sognefjord in western Norway from early morning to evening, seven days a week - without a whiff of smokestack exhaust or a decibel of engine roar.

NYK and partners develop new propeller for ship. *Ship-Technology.com*. 12 March 2018. Available from: <https://www.ship-technology.com/news/nyk-partners-develop-new-propeller-ship/> Nippon Yusen Kabushiki Kaisha (NYK) Group, in collaboration with Monohakobi Technology Institute (MTI) and Japan Marine United (JMU), has developed a propeller, which is designed to reduce 1.2% carbon dioxide (CO₂) emissions by improving fuel efficiency.

Norsepower: Why European ships are switching back to sails . **By Oliver Smith.** *Forbes*. 12 March 2018. Available from: <https://www.forbes.com/sites/oliversmith/2018/03/12/norsepower-why-european-ships-are-switching-back-to-sails/#4780262226a0> There's something strange happening in Europe's €145bn shipping industry.

The next ferry you board might run on batteries. **By Mikael Holter and Jeremy Hodges.** *Bloomberg*. 13 March 2018. Available from: <https://www.bloomberg.com/news/features/2018-03-13/the-next-ship-you-board-might-run-on-batteries> Not far from Norway's North Sea oil rigs, shipbuilders are assembling some of the first ferry boats ever to be powered entirely by batteries

Hurtigruten boss: consolidation and retirement of old ships in expedition sector.

By Rebecca Moore. *Passenger Ship Technology*. 13 March 2018. Available from: http://www.passengership.info/news/view,hurtigruten-boss-consolidation-and-retirement-of-old-ships-in-expedition-sector_51088.htm There will be retirement of old vessels and consolidation within the expedition cruise sector, Hurtigruten chief executive Daniel Skjeldam told delegates at Seatrade Cruise Global.

Hyundai Samho Heavy Industries ready to deliver its green oil tanker. By Woo Je-yoon and Lee Eun-joo.

Pulse (South Korea). 14 March 2018. Available from: <http://pulsenews.co.kr/view.php?year=2018&no=166349> South Korea's Hyundai Samho Heavy Industries Co. affiliated with the country's largest shipbuilder Hyundai Heavy Industries Co. has completed building a very large crude-oil carrier (VLCC) fitted with an exhaust gas cleaning system that can meet stricter restrictions on sulphur oxide emissions that will come into force in 2020.

Change is in the wind with ship that promises zero emissions. By Paul Berrill.

TradeWinds. 14 March 2018. Available from: <http://www.tradewindsnews.com/shipsales/1447025/change-is-in-the-wind-with-ship-that-promises-zero-emissions> An attempt to create not just the world's first zero-emissions ship but a whole fleet of them is set to be unveiled this year.

Work on China's first polar adventure liner begins.

Xinhuanet (China). 17 March 2018. Available from: http://www.xinhuanet.com/english/2018-03/17/c_137045482.htm Construction has begun on China's first polar expedition cruise ship in Jiangsu Province, and is expected to be completed by August 2019.

Sink or sail? - shipbuilders face critical point for survival. By Park Jae-hyuk.

Korea Times. 18 March 2018. Available from: https://www.koreatimes.co.kr/www/tech/2018/03/693_245782.html The nation's shipbuilding industry officials are maintaining a cautious outlook, despite growing expectations about recovery following an increase in the number of orders that shipbuilders have obtained this year.

The Elektra: Finland's first hybrid-electric ferry. By Alexander Love.

Ship-Technology.com. 21 March 2018. Available from: <http://www.ship-technology.com/features/elektra-finlands-first-hybrid-electric-ferry/> Heavy vibrations, exhaust fumes and loud engines are just a few things you expect when travelling on a ferry.

CEPSA presents the first multi-product supply vessel in southern Europe. CEPSA.

22 March 2018. Available from: <https://www.cepsa.com/en/press/press%E2%80%93releases/Cepsa-presents-the-first-multi%E2%80%93product-supply-vessel-in-southern-Europe> Cepsa presented today in the Port of Huelva the first multi-product marine fuel supply vessel in southern Europe.

Integration of ecosystems. By Vitaly Chernov.

Port News. 22 March 2018. Available from: <http://portnews.ru/comments/2471/> Amid the growing geopolitical tension Russian shipbuilding is keeping its way towards closer integration with Finland, its historical partner in this industry.

A new adventure begins - Royal Caribbean welcomes the world's largest cruise ship.

Royal Caribbean International. 23 March 2018. Available from: <https://www.royalcaribbeanpresscenter.com/press-release/1352/a-new-adventure-begins-royal-caribbean-welcomes-the-worlds-largest-cruise-ship/> Thirty-six months, 4,700 shipbuilders and crew, and one common goal: to deliver the ultimate family adventure.

SHIPPING

Predictive analytics: the new hot ticket in shipping? By Joe Baker. *Ship-Technology.com*. 28 February 2018. Available from: <http://www.ship-technology.com/features/predictive-analytics-new-hot-ticket-shipping/> Predictive analytics is commonly defined as the use of data, statistical algorithms and machine learning techniques to identify the likelihood of future outcomes.

Remarks by Director of Commercial Regulations and Standards Jeffrey Lantz, during Polar Code harmonization conference. *US Coast Guard Maritime Commons*. 1 March 2018. Available from: <http://mariners.coastguard.dodlive.mil/2018/03/01/3-1-2018-remarks-by-director-of-commercial-regulations-and-standards-jeffrey-lantz-during-polar-code-harmonization-conference/> This post offers a condensed version of Lantz's remarks, which focus on the U.S. Coast Guard's view on harmonization, implementation, continued development and lessons learned.

'Sanctions-busting' tanker loses Maldives flag. *Maldives Independent*. 4 March 2018. Available from: <http://maldivesindependent.com/business/sanctions-busting-tanker-loses-maldives-flag-136205> The tanker at the centre of a North Korea sanctions-busting storm no longer bears the Maldives flag, official records show.

Cargo Ships Slow Transits to Curb Emissions, Protect Whales. By Joseph Fonseca. *Maritime Professional*. 2 March 2018. Available from: <https://www.maritimeprofessional.com/news/cargo-ships-slow-transits-curb-314539> Partners in an initiative to cut air pollution and protect whales have announced results from the 2017 program and publicly recognized the 11 shipping companies who participated, reducing speeds to 12 knots or less in two regions.

Rush of orders buoys local shipping industry. *Korea JoongAng Daily (South Korea)*. 6 March 2018. Available from: <http://koreajoongangdaily.joins.com/news/article/article.aspx?aid=3045242> After two gloomy years with barely any orders, Korean shipbuilders have spent an upbeat week announcing new deals with shipping companies from all over the world.


Amid growing concern about bad Arctic weather, more shipping companies move into area without icebreakers. By Atle Staalesen. *Independent Barents Observer (Norway)*. 5 March 2018. Available from: <https://thebarentsobserver.com/en/arctic/2018/03/amid-growing-concern-about-bad-arctic-weather-more-shipping-companies-move-area> A quickly growing number of ships are confronting the thick ice and tough climatic conditions on Russia's Northern Sea Route, and pressure on the country's fleet of icebreakers is mounting.

Reports of the death of slow-steaming by box carriers are greatly exaggerated. By Mike Wackett. *The Loadstar*. 5 March 2018. Available from: <https://theloadstar.co.uk/reports-death-slow-steaming-greatly-exaggerated/> "It's not something that we plan to do", said the Maersk Group chief executive last week, referring to the growing clamour from shippers to drop slow-steaming and improve transit times and schedule reliability.

More ferry firms swap bunkers for batteries. *Ship & Bunker*. 5 March 2018. Available from: <https://shipandbunker.com/news/emea/578809> The reality of battery-powered ULCCs may still be some way into the future, but ferry firms are among an increasing number of companies operating smaller vessels that are swapping traditional oil-based bunkers for battery power.

APL and Hapag-Lloyd warn shippers low-sulphur fuel costs will be passed on. By James Baker. *Lloyd's List*. 6 March 2018. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1121708> New global rules to reduce ship pollution will lead to higher costs for shippers, says APL chief executive Nicolas Sartini.

EU Member States in call to end crippling reporting formalities for ships. *Danish Shipping*. 8 March 2018. Available from: <https://www.danishshipping.dk/en/press/news/eu-member-states-in-call-to-end-crippling-reporting-formalities-for-ships> The current directive introduced the concept of National Single Windows as a way to harmonise reporting obligations from ships to a single electronic system in each Member State but failed to harmonise data requirements or the mechanisms for sending them thus creating more burdens on maritime carriers in EU.

Decarbonising maritime transport: The case of Sweden. *International Transport Forum*. 9 March 2018. Available from: <https://www.itf-oecd.org/decarbonising-maritime-transport-sweden> This report examines the factors that have put Sweden at the forefront of decarbonisation of maritime transport, and how other countries could learn from this success story.
[Decarbonising maritime transport: The case of Sweden: Case- Specific Policy Analysis](#) 

Maritime employers and employees on International Women's Day 2018 - The Time is NOW. *European Community Shipowners' Associations (ECSA)*. 8 March 2018. Available from: <http://www.ecsa.eu/index.php/news/maritime-employers-and-employees-international-womens-day-2018-time-now> European shipowners and transport workers are jointly marking International Women's Day, a global day celebrating the social, economic, cultural and political achievements of women.

Shipping urged to modernise business models and create money 'beyond the vessel'. *By Tanya Blake. Fairplay*. 8 March 2018. Available from: <https://bit.ly/2tvsVEa> By following traditional cyclic business models, shipping is at risk of losing out on revenue being created by digital innovation.

Rescuing the Maritime Sector. By Eromosele Abiodun. *This Day (Nigeria)*. 9 March 2018. Available from: <https://www.thisdaylive.com/index.php/2018/03/09/rescuing-the-maritime-sector/> With a vast and extensive natural maritime endowment base comprising a coastline of over 800kms, an exclusive economic zone of over 200 nautical miles, the Nigerian maritime sector has the potential to accelerate Nigeria's economic development beyond its crude oil revenue earnings.

Feature: Norway's Arctic town envisions gateway on Polar Silk Road with link to China. *By Liang Youchang and Zhang Shuhui. Xinhuanet (China)*. 10 March 2018. Available from: http://www.xinhuanet.com/english/2018-03/10/c_137029125.htm Envisioning a new port on the Barents Sea coast and a railway that goes all the way southward to the Baltic Sea, Norway's Arctic town of Kirkenes sets its sight on a major European hub on a Polar Silk Road with link to China.

Dualog says shipping must prepare for a different future. By Sarah Carter. *ShipInsight*. 12 March 2018. Available from: <https://shipinsight.com/dualog-says-shipping-must-prepare-for-a-different-future/> Morten Lind-Olsen, Norwegian entrepreneur and CEO of Dualog, said that while the drivers for greater innovation and efficiencies are now the asset owners because they know that whosoever of them 'has the better digital strategy will be the one to succeed', companies like Amazon will demand that the perception of logistics from their point of view is fully understood.

New Hebron offshore oil platform a Canadian engineering marvel. By Greg Naterer. *The Conversation*. 12 March 2018. Available from: <https://theconversation.com/new-hebron-offshore-oil-platform-a-canadian-engineering-marvel-90626> Incredible feats of engineering and construction have been accomplished by Canadians throughout our history - the Confederation Bridge, the CN Tower, the transcontinental railway, Rideau Canal, the CANDU nuclear reactor and Canadarm, to name just a few.

A legal reality check for autonomous shipping in 2018. By Torgeir Willumsen. *Seatrade Maritime News*. 13 March 2018. Available from: <http://www.seatrade-maritime.com/news/asia/a-reality-check-for-autonomous-shipping-in-2018.html> There are very few technological obstacles to autonomous vessels, but commercial issues are still preventing investments.

The maritime HR crunch in Singapore. By Jason Jiang. *Splash 247.com*. 13 March 2018.

Available from: <http://splash247.com/maritime-hr-crunch-singapore/> Singapore has been one of the major maritime clusters in the world for years and the maritime industry contributes around 7% of Singapore's GDP and employs more than 170,000 people.

ABS Chairman, President and CEO Advises Industry to Balance Innovation and Pragmatism.

ABS (American Bureau of Shipping). 13 March 2018. Available from:

<https://ww2.eagle.org/en/news/press-room/abs-chairman-pres-ceo-advises-industry-balance-innovation-pragmatism.html>

ABS Chairman, President and CEO Christopher J. Wiernicki addressed industry leaders at the opening session of the Connecticut Maritime Association Shipping 2018 conference.

Shipping emissions position paper. By Nitish Narayan. *Pacific Islands Development Forum*

14 March 2018. Available from: <http://pacificidf.org/shipping-emissions-position-paper/> The IMO is scheduled to deliver an Initial Strategy on international shipping GHG emissions reduction by the 72nd Maritime Environment Protection Committee meeting (MEPC 72) in April 2018.

[PDF Pacific Position Paper on Shipping Emissions \(March 2018\)](#)

"Carriers risk becoming the Uber drivers of seaborne freight". By Niklas Krigslund.

ShippingWatch. 14 March 2018. Available from:

<https://shippingwatch.com/secure/carriers/article10411114.ece> Shipping companies need to develop new services for customers if they want to avoid being reduced to underpaid middlemen in the global supply chain, says Christopher Rex, Head of Research at Danish Ship Finance.

Navigating a changing shipping industry. *Business Times (Singapore)*. 14 March 2018.

Available from: <http://www.businesstimes.com.sg/hub/asia-pacific-maritime-2018/navigating-a-changing-shipping-industry> Industry players share their views on the opportunities and challenges ahead for the sector.

Chairman Knut Ørbeck-Nilssen sets out transformation of IACS at CMA Shipping 2018.

International Association of Classification Societies (IACS). 14 March 2018. Available from:

<http://www.iacs.org.uk/news/iacs-press-release-march-14-2018> "It is my duty and honour to encourage the world's biggest classification societies to pull together to adapt to this rapid pace of change and create a strong foundation for IACS as the leading maritime technical association," said Knut Ørbeck-Nilssen.

ICS publishes latest Flag State Performance Table (With New Criteria Included).

International Chamber of Shipping (ICS). 15 March 2018. Available from: <https://bit.ly/2FJQcUs>

The Table provides a helpful indication of the performance of individual flag states worldwide, which analyses how the administrations included deliver against a number of criteria such as port state control records, ratification of international maritime Conventions and attendance at IMO meetings.

[Flag State Performance Table:2017/2018](#) [Interactive Flag State Performance Table](#)

Research Spotlight: Dr. Aldo Chircop. *Clear Seas*. 15 March 2018. Available from:

<https://clearseas.org/blog/research-spotlight-dr-aldo-chircop/> Interview with Aldo Chircop, JSD, a Professor of Law and Canada Research Chair in Maritime Law and Policy at the Schulich School of Law of Dalhousie University.


Sir Michael Bibby elected President of the UK Chamber. *UK Chamber of Shipping*.

16 March 2018. Available from: <https://www.ukchamberofshipping.com/latest/sir-michael-bibby-elected-president-uk-chamber/>

Sir Michael Bibby was elected President of the UK Chamber of Shipping at the organisation's Annual General Meeting in London on Thursday.

NGO: Why shipping investors need to get involved in the climate. By **Katrine Grønvald Raun.** *ShippingWatch.* 16 March 2018. Available from: <https://shippingwatch.com/secure/carriers/article10396662.ece> Just a few years ago, the climate was probably one of the last things to be discussed when banks and carriers met to discuss loan terms and funding of vessels.

Incentive schemes for promoting green shipping. By **Renilde Becque.** *Splash 247.com.* 16 March 2018. Available from: <http://splash247.com/incentive-schemes-promoting-green-shipping/> With 40% of the world's population living within 100 km of a coast, millions of people are subject to air pollution from ships in ports and coastal waters and studies have shown that these pollutants can travel hundreds of kilometres inland.

Incentive schemes for promoting green shipping: Discussion Paper. *Natural Resources Defense Council (NRDC).* January 2018. Available from: <https://www.nrdc.org/sites/default/files/incentive-schemes-promoting-green-shipping-ip.pdf>  In various countries and cities around the world, ports have in recent years introduced their own incentive programs to encourage ships calling at their ports to use cleaner marine fuels or in other ways reduce air emissions while in the port area.

Capt. Antonio M. Padrón on the "Sea of Opportunities" project. *All About Shipping.* 18 March 2018. Available from: <http://www.allaboutshipping.co.uk/2018/03/18/capt-antonio-m-padron-on-the-sea-of-opportunities-project/> During the meeting, the need to bring to the youth the benefits of the maritime sector was highlighted and new ideas for collaborations between the IMO Maritime Ambassador and FACOCIP in this matter have been outlined.

Report on 12th Arctic Shipping Summit, Montreal, February 21-22. By **Brian Dun.** *Canadian Sailings.* 18 March 2018. Available from: <http://www.canadiansailings.ca/report-on-12th-arctic-shipping-summit-montreal-february-21-22/> The University of Manitoba is building the largest sea-ice research institute in the world in Churchill to detect the effects of oil spills in Arctic waters.

Avocado trade threatened by shipping climate measure, say Chile, Peru. By **Megan Darby.** *Climate Home News.* 19 March 2018. Available from: <http://www.climatechangenews.com/2018/03/19/avocado-trade-threatened-shipping-climate-measure-say-chile-peru/> Both Latin American exporters have signed a declaration saying international shipping must "take urgent action" to limit its climate impact, in line with the Paris Agreement.

Maersk hit by new hacker attack. By **Daniel Hedelund.** *ShippingWatch.* 19 March 2018. Available from: <https://shippingwatch.com/secure/carriers/article10426188.ece> Shipping giant A.P. Moeller-Maersk has once again been subject to cyber crime, reports media Maritime Danmark according to business daily Børsen.

First transaction for Bitcoin of the shipping industry. *World Maritime News.* 19 March 2018. Available from: <https://worldmaritimenews.com/archives/247532> Malaysia's liner company West Port and, LPR, a Brazilian textile importer participated in the trial.

Comment: Now is the time to tackle shipping emissions. By **John Maggs.** *DeSmog UK.* 19 March 2018. Available from: <https://www.desmog.uk/2018/03/19/comment-now-time-tackle-shipping-emissions> The coal market only functions because coal can be cheaply shipped hundreds

Serious incidents in the oil sector spurs growth at petroleum authority. By **Katrine Grønvald Raun.** *ShippingWatch.* 19 March 2018. Available from: <https://shippingwatch.com/secure/Offshore/article10427470.ece> While several oil companies have scaled down their workforce significantly in recent years, the Petroleum Safety Authority Norway has noted the exact opposite development.

The only constant in shipping is change. By David Glass. *Seatrade Maritime News*. 20 March 2018. Available from: <http://www.seatrade-maritime.com/news/europe/the-only-constant-in-shipping-is-change.html> Speaking at the Union of Greek Shipowners' backed SeaNation conference last week, Norwegian ambassador to Greece, John Eugene Gjelstad and UK ambassador Kate Smith spoke of change.


Megaships' impact on PH maritime industry. *Manila Times*. 20 March 2018. Available from: <http://www.manilatimes.net/megaships-impact-on-ph-maritime-industry/387325/> The Philippine maritime industry may see a literally huge change in the future of shipping as more cargo companies are investing in large-scale vessels or megaships.

Portugal's high-quality flag state performance recognised by ICS. *Hellenic Shipping News*. 20 March 2018. Available from: <https://www.hellenicshippingnews.com/portugals-high-quality-flag-state-performance-recognised-by-ics/> New initiatives this year will include acknowledgement of e-certificates and implementation of the tonnage tax regime.

"Shipping has been too much fat and too much inefficiency" . By Tomas Kristiansen. *ShippingWatch*. 20 March 2018. Available from: <https://shippingwatch.com/secure/carriers/article10426925.ece> Shipping has suffered from inefficiency over the last 10 to 15 years, if you ask the dual management team of German Zeaborn, which apart from operating a growing fleet of multi-purpose vessels entered technical ship management of container vessels earlier this year.

Shipping plays key role in achieving global climate targets. By Søren Pico. *ShippingWatch*. 21 March 2018. Available from: <https://shippingwatch.com/secure/Services/article10433762.ece> The shipping sector must supply far more energy-efficient vessels in the future for there to be any hope at all of achieving the global climate targets, concludes DNV GL's report Energy Transition Outlook.

Why methanol will take its place in the marine fuels mix. By Chris Chatterton. *Splash 247.com*. 21 March 2018. Available from: <http://splash247.com/methanol-will-take-place-marine-fuels-mix/> It is a truism in shipping that investors and operators build assets for the long term but must take a short term view of the markets in which they will operate.

Europe's top shipping nations among worst in IMO maritime climate talks - ranking. *Transport & Environment*. 22 March 2018. Available from: <https://bit.ly/2Hk9vpc> European ambition to clean up the shipping sector's greenhouse gas emissions is being led by Germany, Belgium and France, a new ranking shows. [Shipping climate ambition: ranking of EU member states Final Report - Shipping Climate Ambition: Ranking of EU Member States](#) 

Interview: What will be the marine fuel of the future? *World Maritime News*. 21 March 2018. Available from: <https://worldmaritimeneeds.com/archives/247762> World Maritime News spoke with Dr. Marc Perrin, Independent Consultant for ENGIE Lab CRIGEN and Olivier Jouny, Managing Director, Total Marine Fuels Global Solutions, during Asia Pacific Maritime on the current state of play in relation to the industry's preparedness for the new rules and the most economically viable option when picking a compliant fuel.

Asian tanker conference to address critical ballast concerns. By Jamey Bergman. *Tanker Shipping & Trade*. 22 March 2018. Available from: http://www.tankershipping.com/news/view.asian-tanker-conference-to-address-critical-ballast-concerns_51180.htm Aqua-tools' Carine Magdo will seek to address some of tanker owners' and operators' central concerns when she presents a new ballast water test at Riviera Maritime Media's Asian Tanker Conference in Singapore next week.

Look beyond the flag. By Erik Kravets. *Maritime Executive*. 23 March 2018. Available from: <https://www.maritime-executive.com/magazine/look-beyond-the-flag> What's the measure of a merchant marine officer?

Stena joins a unique cooperation for climate smart transport. By Priyanka Ann Saini. *Sea News*. 23 March 2018. Available from: <http://seanews.co.uk/stena-joins-a-unique-cooperation-for-climate-smart-transport/> Electromobility for Shipping is the name of a new collaboration between six actors with the aim to increase the electrification of shipping.

EU governments' support for 70-100% shipping emissions cut welcomed. *Transport & Environment*. 26 March 2018. Available from: <https://www.transportenvironment.org/press/eu-governments%E2%80%99-support-70-100-shipping-emissions-cut-welcomed> EU member states' decision to support a 70-100% reduction in maritime greenhouse gas emissions worldwide by 2050, compared to 2008 levels, has been welcomed by sustainable transport group Transport & Environment (T&E).

What do we already know about bunker prices and the likely winners and losers in a post 2020 world? *Ship & Bunker*. 26 March 2018. Available from: <https://shipandbunker.com/news/world/345402-what-do-we-already-know-about-bunker-prices-and-the-likely-winners-and-losers-in-a-post-2020-world> As the industry contemplates how it will comply with the upcoming global 0.50% sulfur cap on marine fuel 20|20 Marine Energy's Adrian Tolson says current fuel oil futures' prices make a compelling case for adopting scrubbers.

Domestic shipping fundamental for interisland connectivity . By Jonas Cullwick. *Vanuatu Daily Post*. 26 March 2018. Available from: http://dailypost.vu/news/domestic-shipping-fundamental-for-interisland-connectivity/article_448e3778-373e-5213-a0e9-12fbf41b05b4.html The Government considers the country's domestic shipping fundamental for inter-island connectivity and the main means of access to and from many outer islands, supporting the socioeconomic needs of Vanuatu.

Hull cleaning can improve ships' energy efficiency. *Safety4Sea*. 26 March 2018. Available from: <https://safety4sea.com/hull-cleaning-can-improve-ships-energy-efficiency/> The impact of changes in fuel consumption is estimated around the discontinuity when a vessel is cleaned and rely on both before-after and difference-in-differences estimators.

EU drafts united CO2 reduction strategy. *Lloyd's List*. 26 March 2018. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1121970/EU-drafts-united-CO2-reduction-strategy> The European Union has reached a compromise to support a 70% to 100% reduction in international shipping's greenhouse gas emissions by 2050.

Swedish companies lead collaboration to promote electric shipping. By Richard Clayton. *Lloyd's List*. 26 March 2018. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1121984/Swedish-companies-lead-collaboration-to-promote-electric-shipping> The Swedish Shipowners' Association has joined compatriot businesses to increase the electrification of shipping.

China's belt road initiative and the demise of the 20,000 teu boxship. By Andre Wheeler. *Splash 247.com*. 27 March 2018. Available from: <http://splash247.com/chinas-belt-road-initiative-demise-20000-teu-boxship/> Having been on a speaking trip in China to discuss the China Belt Road Initiative (BRI), it still amazes me that there are senior maritime executives that argue shipping will return to 'normal' and is currently going through 'just another shipping cycle'.

OECD: How shipping can be CO2 neutral by 2035. By Katrine Grønvald Raun. *ShippingWatch*. 27 March 2018. Available from: <https://shippingwatch.com/secure/carriers/article10462744.ece> When the calendar says 2035, the global shipping industry may have taken a major step in reducing CO2 emissions.

Decarbonising Maritime Transport by 2035. *International Transport Forum.* 27 March 2018.

Available from: <https://www.itf-oecd.org/decarbonising-maritime-transport-2035> Deployment of all currently known technologies could make it possible to almost completely decarbonise maritime shipping by 2035, according to a new report published by the International Transport Forum at the OECD. [Decarbonising Maritime Transport: Pathways to zero-carbon shipping by 2035](#) 📄

Government seeks views to help maritime flourish. *UK Government.* 27 March 2018.

Available from: <https://www.gov.uk/government/news/government-seeks-views-to-help-maritime-flourish> Ground-breaking new technology such as autonomous ships and digital ports will be on the agenda with the appointment of a group of experts to help advise on the future of maritime.

Maritime 2050: call for evidence. *UK Government.* 27 March 2018. Available from:

<https://www.gov.uk/government/consultations/maritime-2050-call-for-evidence> Maritime 2050 is a long term strategy to secure the future of the UK maritime sector. Maritime 2050: Call for Evidence: Navigating the future; [Maritime 2050: Call for Evidence: Navigating the future](#) 📄

Caution remains the watchword for global marine insurance, says IUMI. *International Union of*

Marine Insurance (IUMI). 27 March 2018. Available from: <https://iumi.com/news/press-releases/caution-remains-the-watchword-for-global-marine-insurance-says-iumi> Against the backdrop of encouraging global economic growth and an improved outlook for the shipping industry, the UMI gives expert opinion on the current state of the hull, cargo and offshore energy insurance markets at its Spring Conference in Hamburg.

Shipping seen as the softest of hacker targets. By Sam Chambers. *Splash 247.com.*

28 March 2018. Available from: <http://splash247.com/shipping-seen-softest-hacker-targets/> Shocking statistics published yesterday show just what a soft target shipping is for hackers.

Greek shipping fleet hits all time high in 2017. By David Glass. *Seatrade Maritime News.*

28 March 2018. Available from: <http://www.seatrade-maritime.com/news/europe/greek-shipping-fleet-hits-all-time-high-in-2017.html> The Greek fleet of ships over 1,000gt stood at 4,148 ships of 342m dwt and 199.3m gt mid-March, an increase of 64 vessels, 13m dwt and 6.88m gt, on 12 months ago.

SPC Director appeals for cleaner, safe and profitable shipping services. By Jonas Cullwick.

Vanuatu Daily Post. 28 March 2018. Available from: http://dailypost.vu/news/spc-director-appeals-for-cleaner-safe-and-profitable-shipping-services/article_3c8ba411-e64c-576d-b297-82aa68dc160b.html The SPC Regional Director, Melanesia, Mia Rimon, has called on Government agencies, ship owners and ship operators in Vanuatu to work together transparently and collaboratively to deliver clean, safe and profitable shipping services to the country.

Pay greater attention to ship and crew proficiency - Ministers. *Ghana News Agency.* 28 March

2018. Available from: <http://www.ghananewsagency.org/economics/pay-greater-attention-to-ship-and-crew-proficiency-ministers-130602> Accra, March 28, GNA - Delegates at the third Ministerial Conference on the Abuja Memorandum of Understanding on Port State Control, are to pay greater attention to ship and crew proficiency, alongside the focus on eliminating sub-standard shipping.

New restrictions coming up in Russian Arctic shipping. By Atle Staalesen. *Independent*

Barents Observer (Norway). 28 March 2018. Available from: <https://thebarentsobserver.com/en/industry-and-energy/2018/03/new-restrictions-coming-russian-arctic-shipping> The new bill follows up a law adopted in late December 2017, which bans Russian Arctic shipping under foreign flag.

Eastern Mediterranean gas discoveries redefine LNG playing field. *LNG World Shipping.*

28 March 2018. Available from: <https://bit.ly/2E3OHiu> Newly discovered offshore gas deposits in the exclusive economic zones (EEZs) of Egypt, Israel and Cyprus, coming on top of similar major finds in recent years, are poised to alter the energy map of the Eastern Mediterranean irrevocably.

RESEARCH

Implications of climate change for shipping: Opening the Arctic seas.

Ng AKY, Andrews, J et al. *Wiley Interdisciplinary Reviews: Climate Change*. (2018). Available from: <http://dx.doi.org/10.1002/wcc.507> This paper assesses the value and environmental feasibility of Arctic shipping by reviewing the relevant scientific and economic peer-reviewed literature.

Carbon dioxide addition to coral reef waters suppresses net community calcification.

Albright R, Takeshita, Y et al. *Nature*. (2018). Available from: <http://dx.doi.org/10.1038/nature25968> Coral reefs feed millions of people worldwide, provide coastal protection and generate billions of dollars annually in tourism revenue.

Increasing Mobility of High Arctic Sea Ice Increases Marine Hazards Off the East Coast of Newfoundland. Barber DG, Babb, DG et al. *Geophysical Research Letters*. (2018). Available from: <https://doi.org/10.1002/2017GL076587> Heavy ice conditions along Canada's east coast during spring 2017 presented hazardous conditions for the maritime industry and required the Canadian Coast Guard to pull its research icebreaker, CCGS Amundsen, off its scientific cruise to provide ice escort services and conduct search and rescue operations along Newfoundland's northeast coast.

International law and policy considerations for shipping's contribution to climate change mitigation.

Aldo Chircop, Meinhard Doelle et al. *SSRN*. (2018). Available from: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3113274 This report investigates the international law and policy challenges to the determination of the international shipping industry's contribution to climate change mitigation efforts through the International Maritime Organization (IMO), a specialized agency of the United Nations and the competent intergovernmental organization with respect to shipping in international law.

Evidence that the Great Pacific Garbage Patch is rapidly accumulating plastic.

Lebreton L, Slat, B et al. *Scientific Reports*. (2018). Available from: <https://doi.org/10.1038/s41598-018-22939-w> Ocean plastic can persist in sea surface waters, eventually accumulating in remote areas of the world's oceans.

The energy efficiency effects of periodic ship hull cleaning.

Adland R, Cariou, P et al. *Journal of Cleaner Production*. (2018). Available from: <http://www.sciencedirect.com/science/article/pii/S0959652617332419> This paper investigates the impact of periodic hull cleaning on oil tankers' energy efficiency using real 2012–2016 fleet performance and weather data extracted from noon reports for a fleet of eight identical Aframax-size crude oil tankers.

Dynamic biological functioning important for simulating and stabilising ocean biogeochemistry.

Buchanan PJ, Matear, RJ et al. *Global Biogeochemical Cycles*. (2018). Available from: <https://agupubs.onlinelibrary.wiley.com/doi/abs/10.1002/2017GB005753> The biogeochemistry of the ocean exerts a strong influence on the climate by modulating atmospheric

To subscribe or unsubscribe, send an email with your contact details to:
maritimeknowledgecentre@imo.org

About the cover

The CAB Cover is a photograph of the international memorial to the world's seafarers, past, present and future which graces the entrance to IMO Headquarters in London. The memorial, a seven-metre high, ten-tonne bronze representation of the bow of a cargo ship with a lone seafarer on the deck, is the work of internationally renowned British sculptor Michael Sandle.