



Maritime Knowledge Centre (MKC)

INTERNATIONAL MARITIME ORGANIZATION

MARITIME KNOWLEDGE CENTRE (MKC) *"Sharing Maritime Knowledge"*

CURRENT AWARENESS BULLETIN

May 2018

www.imo.org

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

maritimeknowledgecentre@imo.org

CURRENT AWARENESS BULLETIN | Vol. XXX | No. 5 | May 2018



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	6
ENVIRONMENTAL POLLUTION	9
HEALTH & SAFETY	10
IMO	11
LAW & POLICY.....	13
MARINE TECHNOLOGY.....	16
MARITIME EDUCATION & TRAINING	19
MARITIME SAFETY	21
MARITIME SECURITY	22
MIGRANTS	24
NAVIGATION & COMMUNICATIONS.....	25
PIRACY.....	27
PORT STATE CONTROL.....	27
PORTS & HARBOURS.....	28
REGULATIONS	31
SEAFARERS	32
SEARCH & RESCUE	34
SHIP RECYCLING	34
SHIPBUILDING & SHIPREPAIR	35
SHIPPING	36
RESEARCH.....	44

IMO NEWS & EVENTS

WHAT'S NEW

IMO takes first steps to address autonomous ships

The International Maritime Organization (IMO) – the global regulatory body for international shipping - has commenced work to look into how safe, secure and environmentally sound Maritime Autonomous Surface Ships (MASS) operations may be addressed in IMO instruments.

The Organization's senior technical body, the Maritime Safety Committee (MSC), endorsed a framework for a regulatory scoping exercise, as work in progress, including preliminary definitions of MASS and degrees of autonomy, as well as a methodology for conducting the exercise and a plan of work.

For the purpose of the regulatory scoping exercise, "Maritime Autonomous Surface Ship (MASS)" is defined as a ship which, to a varying degree, can operate independently of human interaction.
[Full Story](#)

IMO MEETINGS FOR 2018

[Maritime Safety Committee \(MSC\), 99th session](#) 16 - 25 May 2018

RECENT SPEECHES BY IMO SECRETARY-GENERAL KITACK LIM

[Cyprus Shipping Chamber Annual General Meeting, Limassol, 31 May 2018](#)

Maritime Safety Committee (MSC) 99th session, 16 - 25 May 2018 [Opening](#) Address

IMO NEWS MAGAZINE [\(Spring 2018\)](#)

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

UNITED NATIONS

UN Climate Change launches first-ever annual report. *United Nations Framework Convention on Climate Change (UNFCCC)*. 30 April 2018. Available from: <https://unfccc.int/news/un-climate-change-launches-first-ever-annual-report> UN Climate Change today launched its first-ever Annual Report, laying out the key 2017 achievements and pointing to the future of the climate change process.

UN Report: Green economic growth means a surge in jobs worldwide. *UN News*. 14 May 2018. Available from: <https://news.un.org/en/audio/2018/05/1009702> 📻 If countries honour the Paris Agreement pledge on global warming of keeping temperature rises below 2 degrees Celsius, "we will see a net job creation of 18 million new jobs around the world."

Climate change: An 'existential threat' to humanity, UN chief warns global summit. *UN News*. 15 May 2018. Available from: <https://news.un.org/en/story/2018/05/1009782> 🗣️ Both leadership and innovation are essential for climate action, Secretary-General António Guterres said in his keynote address to the global gathering, known as the R20 Austrian World Summit - a long-term initiative to help regions, States and cities implement the Sustainable Development Goals and meet the Paris Agreement targets.

Wildly optimistic: Report predicts a healthy future for biodiversity. *United Nations Environment Programme (UNEP)*. 22 May 2018. Available from: <https://www.unenvironment.org/news-and-stories/story/wildly-optimistic-report-predicts-healthy-future-biodiversity> Global trends towards population stabilization, poverty alleviation, and urbanization are rewriting the future of biodiversity conservation and offering new hope for the world's wildlife and wild places, according to a surprisingly optimistic paper recently published in the journal *BioScience*.

Rich variety of life on earth essential says UN chief Guterres marking biological diversity day. *UN News*. 21 May 2018. Available from: <https://news.un.org/en/story/2018/05/1010342> 🗣️ Since December 1993, when the Convention on Biological Diversity entered into force, its parties have acted to conserve the earth's flora and fauna, in a sustainable and fair way, said the UN chief.


UN pays tribute to the Organization's founding mothers. *UN News*. 22 May 2018. Available from: <https://news.un.org/en/story/2018/05/1010432> Women have played a pivotal role in the United Nations since its inception in 1945, including in the first international agreement proclaiming gender equality as a fundamental human right: the UN Charter.

UN chief launches new disarmament agenda 'to secure our world and our future'. *UN News*. 24 May 2018. Available from: <https://news.un.org/en/story/2018/05/1010551> 🗣️ The United Nations chief announced a bold new vision for global disarmament on Thursday, to help eliminate nuclear arsenals and other deadly weapons from a world that is just "one mechanical, electronic and human error away" from destruction.


CASUALTIES

Sincere bulker caught up in carbon monoxide poisoning. By Dale Wainwright. *TradeWinds*. 2 May 2018. Available from: <http://www.tradewindsnews.com/casualties/1482837/sincere-bulker-caught-up-in-carbon-monoxide-poisoning> A Sincere Industrial-owned handysize bulker has been caught up in a carbon monoxide poisoning incident at a port in New Zealand.


Harsh criticism of fatal accident on Maersk rig. By Søren Pico. *ShippingWatch*. 3 May 2018. Available from: <https://shippingwatch.com/secure/Offshore/article10571922.ece> There were numerous violations of safety protocol, when a violent accident occurred last year on Maersk Drilling's rig Maersk Interceptor, concludes the Norwegian Petroleum Safety Authority after a comprehensive investigation of the accident.

Passenger ship, *Azamara Quest*, contact with Wheki Rock, Tory Channel, 27 January 2016. *New Zealand Transport Accident Investigation Commission (TAIC)*. 3 May 2018. Available from: <https://taic.org.nz/inquiry/mo-2016-202> On 27 January 2016 the Maltese-flagged passenger ship *Azamara Quest* was en route to the port of Picton in New Zealand's Marlborough Sounds, with 652 passengers and 394 crew on board. [Final report](#) 


Split verdict in Iranian tanker, Chinese freighter crash probe: Iran TV. By Clelia Oziel. *Reuters*. 5 May 2018. Available from: <https://www.reuters.com/article/us-china-shipping-accident-iran/split-verdict-in-iranian-tanker-chinese-freighter-crash-probe-iran-tv-idUSKBN1I60HH> A committee investigating a collision between an Iranian tanker and a Chinese freighter has come to diverging conclusions over the causes of the worst oil ship disaster in decades, Iran's state television reported on Saturday.


Container ship strikes ferries at Port of Santos. *Maritime Executive*. 7 May 2018. Available from: <https://maritime-executive.com/article/video-container-ship-strikes-ferries-at-port-of-santos>  On Sunday evening, the container ship *Santos Express* struck three moored ferries at the Port of Santos, Brazil.

***Sewol* to be placed in upright position this week.** *Yonhap News Agency (South Korea)*. 7 May 2018. Available from: <http://english.yonhapnews.co.kr/news/2018/05/07/0200000000AEN20180507002800320.html> The wreck of the *Sewol* ferry, currently lying on its side at the southwestern port of Mokpo, is set to be placed in an upright position this week, paving the way for further searching for the remains of victims still missing, investigators said Monday.

Fifty staterooms flooded on *Carnival Dream*. *Maritime Executive*. 8 May 2018. Available from: <https://www.maritime-executive.com/article/fifty-staterooms-flooded-on-carnival-dream>  Around 50 staterooms were flooded on *Carnival Dream* after a pipe broke in the vessel's fire suppression system on Thursday.

Former *USS Fitzgerald* officer pleads guilty to negligence charge for role in collision. **By Sam LaGrone.** *US Naval Institute News*. 9 May 2018. Available from: <https://news.usni.org/2018/05/08/former-uss-fitzgerald-officer-pleads-guilty> Lt. j.g. Sarah B. Coppock was contrite and quiet when she pleaded guilty on a single criminal charge for her role in the collision between the guided-missile destroyer *USS Fitzgerald (DDG-62)* and a merchant ship that killed seven sailors.

Accident Investigation Report 9/2018: Grounding of general cargo vessel *Islay Trader*. *UK Marine Accident Investigation Branch (MAIB)*. 9 May 2018. Available from: <https://www.gov.uk/maib-reports/grounding-of-general-cargo-vessel-islay-trader> During the morning of 8 October 2017, the general cargo vessel *Islay Trader* began dragging its anchor, the ship's officer of the watch (OOW) attempted to reposition the vessel without the assistance of the master. [Full Report](#) 

"On Bulk Carrier Casualties & Incidents". *International Association of Dry Cargo Shipowners (INTERCARGO)*. 10 May 2018. Available from: https://www.intercargo.org/wp-content/uploads/2018/05/intercargo-media-release_10_05_2018-1.pdf  INTERCARGO's latest Bulk Carrier Casualty Report, which provides an analysis of bulk carrier total losses between 2008 to 2017 has been submitted to the IMO for the consideration of the Member States, Non-Governmental Organisations and other interested parties.

[Bulk Carrier Casualty Report: Years 2008 to 2017 and the trends](#) 

Sanchi tragedy underlines risk despite progress on safety issues. **By Julian Bray.**

TradeWinds. 10 May 2018. Available from:

<http://www.tradewindsnews.com/drycargo/1487090/sanchi-tragedy-underlines-risk-despite-progress-on-safety-issues> Shipping has a very short memory when it comes to issues it would rather forget.

Two crew dead from 'natural causes' on cargoship. **By Gary Dixon.** *TradeWinds*. 11 May 2018.

Available from: <http://www.tradewindsnews.com/casualties/1490155/two-crew-dead-from-natural-causes-on-cargoship> Two Ukrainian seafarers have died on a general cargoship in Cape Verde.

Not keeping proper look-out - collision on Waitemata Harbour. *Maritime New Zealand*.

16 May 2018. Available from: <https://www.maritimenz.govt.nz/public/news/media-releases-2018/20180516a.asp> In this case Maritime NZ prosecuted Alan Schofield, who was the master of one of Fullers Group Limited's Auckland ferries, *Seaflyte*.

Ship collision report faults both vessels. **By Wang Keju.** *China Daily*. 17 May 2018.

Available from: <https://www.chinadailyhk.com/articles/1/142/198/1526542074806.html> The Ministry of Transport released the results of a joint investigation on Wednesday dealing with the sinking of an oil tanker in the East China Sea in January.

China sets the pace for flag-state accident reporting. **By Nidaa Bakhsh.** *Lloyd's List*.

17 May 2018. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1122644/China-sets-the-pace-for-flagstate-accident-reporting> China should be commended for producing a public report into the Sanchi tanker collision in just four months.

Fire breaks out on Panama-registered car carrier. *Yonhap News Agency (South Korea)*.

21 May 2018. Available from:

<http://english.yonhapnews.co.kr/news/2018/05/21/0200000000AEN20180521005900315.html>

A Panama-registered car carrier caught fire while anchored at the South Korean port of Incheon on Monday, but all of its crewmen safely evacuated, port officials here said Monday.

MSC asks shippers to pay more for delivery of cargo from fire hit *Maersk Honam*.



By Marcus Hand. *Seatrade Maritime News*. 23 May 2018. Available from: <http://www.seatrade-maritime.com/news/europe/msc-asks-shippers-to-pay-more-for-delivery-of-cargo-from-fire-hit-maersk-honam.html> The *Maersk Honam*, which suffered a serious fire on 6 March while headed from Singapore to Suez, was due to berth on Tuesday having been at anchorage in Jebel Ali since 23 April while hotspots on the vessel were extinguished.

China and Iran differ on causes of *Sanchi* tragedy. **By Adam Corbett.** *TradeWinds*.

23 May 2018. Available from: <http://www.tradewindsnews.com/casualties/1496924/china-and-iran-differ-on-causes-of-sanchi-tragedy> A joint accident investigation into the loss of the tanker *Sanchi* and its crew of 32 following a collision with the bulker *CF Crystal* has drawn two different conclusions from the investigating countries.

Accident Investigation Report 10/2018: Flooding and sinking of stern trawler *Ocean Way*.

UK Marine Accident Investigation Branch (MAIB). 24 May 2018. Available from:

<https://www.gov.uk/maib-reports/flooding-and-sinking-of-stern-trawler-ocean-way> On the morning of 3 March 2017, the trawler *Ocean Way* foundered after suffering a flood in its aft compartment/accommodation space. [Full Report](#)  [Annexes](#) 

Safety lessons: conducting regular, realistic drills on fishing vessels.

UK Marine Accident Investigation Branch (MAIB). 24 May 2018. Available from: <https://www.gov.uk/government/publications/safety-lessons-conducting-regular-realistic-drills-on-fishing-vessels> Summary of the flooding and sinking of the stern trawler *Ocean Way* while 18 nautical miles north-east of Lerwick, Scotland to highlight the key safety lessons. [MAIB safety flyer issued May 2018](#)

VIDEO: tanker burns off Indonesia. By Gary Dixon. *TradeWinds*. 25 May 2018. Available from: <http://www.tradewindsnews.com/casualties/1499138/video-tanker-burns-off-indonesia> All crew were reported safe on Friday after a fire broke out on a tanker in Indonesia.

Sinking of the US Cargo Vessel *El Faro*: Illustrated Digest.

US National Transportation Safety Board (NTSB). 24 May 2018. Available from: <https://www.nts.gov/investigations/AccidentReports/Pages/SPC1801.aspx> This 16-page illustrated digest summarizes the critical events and decisions that led to the Oct. 1, 2015, sinking of *El Faro* and the loss of all 33 crewmembers. [Illustrated Digest](#)

Chemical tanker ship runs aground near Morrisburg, Ont. *Canadian Broadcasting Corporation* 29 May 2018. Available from: <http://www.cbc.ca/news/canada/ottawa/chem-nora-ship-aground-st-lawrence-seaway-morrisburg-1.4681981> A chemical tanker travelling the St. Lawrence Seaway ran aground right beside the village of Morrisburg, Ont., early Tuesday morning.

Maersk Honam to be repaired. By Sam Chambers. *Splash 247.com*. 30 May 2018. Available from: <https://splash247.com/maersk-honam-repaired/> Maersk has said it intends to repair, not scrap, the badly burned, 18-month old, 15,000 teu *Maersk Honam*.

ENVIRONMENT

US and UK join forces to understand how quickly a massive Antarctic glacier could collapse. *US National Science Foundation (NSF)*. 30 April 2018. Available from: https://www.nsf.gov/news/news_summ.jsp?cntn_id=245261 The collapse of the Thwaites Glacier in West Antarctica could significantly affect global sea levels.

Bonn morning brief: 'We simply don't have any time to waste'. By Karl Mathiesen, Megan Darby, and Soila Apparcio. *Climate Home News*. 1 May 2018. Available from: <http://www.climatechangenews.com/2018/05/01/bonn-morning-brief-simply-dont-time-waste/> Every morning for the next two weeks, we'll be bringing you all the coverage from the first meeting of the most critical year of talks since the Paris deal was struck in 2015.

Bonn morning brief: 'Dramatic as far as the UNFCCC goes'. By Megan Darby, Karl Mathiesen, and Soila Apparcio. *Climate Home News*. 3 May 2018. Available from: <http://www.climatechangenews.com/2018/05/03/bonn-morning-brief-dramatic-far-unfccc-goes/> Despite broadly positive noises coming from negotiators and observers about steady progress, the CHN team has also heard the rumblings of discontent.

Talanoa Dialogue: Opening meeting ushers in Pacific approach to raising ambition. *United Nations Framework Convention on Climate Change (UNFCCC)*. 4 May 2018. Available from: <https://unfccc.int/news/talanoa-dialogue-opening-meeting-ushers-in-pacific-approach-to-raising-ambition> The opening meeting of the Talanoa Dialogue took place this week, inviting all participants to share stories around climate ambition and to have solutions-oriented conversations on contributions to the Paris Agreement's goals at the 'May talanoas' on Sunday 6 May.

Norway to eliminate emissions in fjords. *Safety4Sea*. 4 May 2018. Available from: <https://safety4sea.com/norway-to-eliminate-emissions-in-fjords/> The maritime industry supported this development is also enthusiastic about the decision.

U.N. Ambassador issues urgent call for action. *Maritime Executive*. 7 May 2018. Available from: <https://www.maritime-executive.com/article/u-n-ambassador-issues-urgent-call-for-action> Peter Thomson, the United Nations Special Envoy for the Oceans, has used the first Opening Oceans Conference (OOC) in Copenhagen to highlight the desperate plight of the oceans and the need for a sustained, universal push from the maritime industry to help halt, and hopefully reverse, their decline.

Protecting whales in an ice-free Arctic. By Brad Cundiff. *Canadian Geographic*. 7 May 2018. Available from: <https://www.canadiangeographic.ca/article/protecting-whales-ice-free-arctic> Canadians watched in horror last summer as one North Atlantic right whale after another was found dead around the Gulf of St. Lawrence, washed up on beaches or floating offshore, apparent victims of ship strikes or fishing gear entanglements.

Global tourism carbon footprint quantified in world first. *University of Sydney (Australia)*. 8 May 2018. Available from: <https://sydney.edu.au/news-opinion/news/2018/05/08/global-tourism-carbon-footprint-quantified-in-world-first.html> Tourism has been revealed to be responsible for almost a tenth of greenhouse gas emissions, with flights a major component.

Transitioning toward a blue economy in Grenada and other Eastern Caribbean states. *World Bank*. 8 May 2018. Available from: <http://www.worldbank.org/en/results/2018/05/08/transitioning-toward-a-blue-economy-in-grenada-and-other-eastern-caribbean-states> The small island countries of the Organisation of Eastern Caribbean States (OECS) face serious development challenges, coupled with low growth, natural disasters, high debt, unsustainable approaches to resource management, and limited fiscal space in which to maneuver around these problems.

Extra climate talks scheduled amid Bonn stalemate. By Karl Mathiesen. *Climate Home News*. 8 May 2018. Available from: <http://www.climatechangenews.com/2018/05/08/extra-climate-talks-scheduled-amid-bonn-stalemate/> Long-rumoured talks in the Thai capital were confirmed by UN officials on Tuesday night, according to several sources, including Poland's climate envoy Tomasz Chruszczow.

UK scientists return to the Arctic Ocean to measure climate change threat to marine life. *UK Natural Environment Research Council (NERC)*. 9 May 2018. Available from: <https://nerc.ukri.org/press/releases/2018/17-arctic/> With warmer winters across the polar region, the Arctic Ocean is now experiencing year-on-year record lows of sea ice.

WMU Global Ocean Conference focuses on building transformative partnerships for ocean sustainability. *World Maritime University (WMU)*. 10 May 2018. Available from: <https://www.wmu.se/news/wmu-global-ocean-conference-focuses-building-transformative-partnerships-ocean-sustainability> From 8 to 9 May, the WMU Global Ocean Conference brought together over 240 participants from more than 50 countries.

How California's clean air regulations have reduced whale strikes by cargo ships. By Matthew O. Berger. *Pacific Standard (US)*. 12 May 2018. Available from: <https://psmag.com/environment/emissions-standards-even-save-the-whales> California clean air regulations intended to protect people from pollution spewed by ships are having an unintended but happy effect-saving whales.

11 ways the Paris climate deal is working in the real world. By Soila Apparicio, Megan Darby, and Karl Mathiesen. *Climate Home News*. 14 May 2018. Available from: <http://www.climatechangenews.com/2018/05/14/11-ways-paris-climate-deal-working-real-world/> In 2015 in Paris, governments struck a deal that lacked much of the substance needed to fight climate change.


Feature: Insurance turns to coral reefs and mangroves as ocean risks surge. By Emma Farge. *Reuters*. 14 May 2018. Available from: <https://reut.rs/2rOtwqi> Coral reefs, mangroves and even some fish could soon have their own insurance policies as the industry seeks new ways to boost protection for those affected by the ocean changes wrought by climate change.

Arctic oil 'undrillable' amid global warming: U.N.'s ex-climate chief. By Alister Doyle. *Reuters*. 15 May 2018. Available from: <https://www.reuters.com/article/us-oil-arctic/arctic-oil-undrillable-amid-global-warming-u-n-s-ex-climate-chief-idUSKCN1IGOLQ> An architect of the Paris climate agreement urged governments on Tuesday to halt oil exploration in the Arctic, saying drilling was not economical and warming threatened the environmentally fragile region.

Reversing the ocean's accelerating decline. By Peter Thomson. *The Guardian*. 16 May 2018. Available from: <https://www.theguardian.com/the-gef-partner-zone/2018/may/16/reversing-the-oceans-accelerating-decline> The ocean has shaped my life, from my beginnings in the outer islands of Fiji to my appointment last year as the UN Secretary-General's special envoy for the ocean.

The UN Security Council is starting to take climate change seriously. By Ashley Murphy. *Climate Home News*. 16 May 2018. Available from: <http://www.climatechangenews.com/2018/05/16/un-security-council-starting-take-climate-change-seriously/> Scientists, think-tanks, NGOs, militaries and even the White House (albeit under President Obama) all agree that climate change threatens human safety and well-being.

Loss of marine habitats is threatening the global fishing industry - new research. By Leanne Cullen-Unsworth, Lina Mtwana Nordlund and Richard K.F. Unsworth. *The Conversation*. 21 May 2018. Available from: <https://theconversation.com/loss-of-marine-habitats-is-threatening-the-global-fishing-industry-new-research-96561> Seafood consumption is both a love and a necessity for hundreds of millions of people worldwide.

Air quality: draft Clean Air Strategy 2018. *UK Government*. 22 May 2018. Available from: <https://consult.defra.gov.uk/environmental-quality/clean-air-strategy-consultation/> Last summer, we published our plans for reducing roadside nitrogen dioxide concentrations in the UK, setting out our approach to meeting the statutory limits for NO₂. [Clean Air Strategy 2018](#) 

Clean Air Strategy: Ports and shipping are part of the solution, not the problem. *British Ports Association*. 22 May 2018. Available from: <https://www.britishports.org.uk/news/clean-air-strategy-ports-and-shipping-are-part-of-the-solution-not-the-problem> The British Ports Association has responded to the Government's Clean Air Strategy which was published today and includes requirements for all major ports in England to develop air quality plans within the next year.

WMO launches Arctic Regional Climate Centre Network. *World Meteorological Organization*. 18 May 2018. Available from: <https://public.wmo.int/en/media/press-release/wmo-launches-arctic-regional-climate-centre-network> A new Pan-Arctic Climate Outlook Forum has met for the first time to provide predictions for the forthcoming summer season as part of an international drive to improve weather, climate and sea ice forecasts in a region undergoing rapid environmental change.

Kenya to host Blue Economy Conference in Nairobi. *Government of Kenya*. 23 May 2018. Available from: <http://www.mfa.go.ke/kenya-host-blue-economy-conference-nairobi/> Kenya will host a High-Level Conference on Sustainable Blue Economy Conference, November 26-28, 2018.

ExxonMobil Announces Greenhouse Gas Reduction Measures. *Exxon Mobil Corporation*. 23 May 2018. Available from: <http://news.exxonmobil.com/press-release/exxonmobil-announces-greenhouse-gas-reduction-measures> ExxonMobil today announced greenhouse gas reduction measures that are expected to lead to significant improvements in emissions performance by 2020, including a 15 percent decrease in methane emissions and a 25 percent reduction in flaring.

Only 4 out of 38 clean-energy technologies are on track to meet long-term climate goals.

International Energy Agency (IEA). 23 May 2018. Available from:

<https://www.iea.org/newsroom/news/2018/may/iea-releases-new-and-updated-online-resource-to-assess-global-clean-energy-transi.html>

The International Energy Agency's new and most comprehensive analysis of the clean-energy transition finds that only 4 out of 38 energy technologies and sectors were on track to meet long-term climate, energy access and air pollution goals in 2017.

Climate mitigation could yield trillions in economic benefits. By Michelle Horton.

Stanford University (US). 23 May 2018. Available from: [https://earth.stanford.edu/news/climate-](https://earth.stanford.edu/news/climate-mitigation-could-lead-to-trillions-in-economic-benefits)

[mitigation-could-lead-to-trillions-in-economic-benefits](https://earth.stanford.edu/news/climate-mitigation-could-lead-to-trillions-in-economic-benefits) Failing to meet climate mitigation goals laid out in the U.N. Paris Agreement could cost the global economy tens of trillions of dollars over the next century, according to new Stanford research.

EU taken to court over 2030 emissions target. By Soila Apparicio. *Climate Home News.*

24 May 2018. Available from: [http://www.climatechangenews.com/2018/05/24/eu-taken-court-2030-](http://www.climatechangenews.com/2018/05/24/eu-taken-court-2030-emissions-target/)

[emissions-target/](http://www.climatechangenews.com/2018/05/24/eu-taken-court-2030-emissions-target/) Ten families from around the world and an indigenous Swedish youth association are suing European institutions for stronger climate action to protect their rights.

How ships bring agonising death to last Greek whales. By Helena Smith. *The Guardian.*

27 May 2018. Available from: [https://www.theguardian.com/environment/2018/may/27/shipping-](https://www.theguardian.com/environment/2018/may/27/shipping-routes-move-save-whales-greek-seas-dying-agon)

[routes-move-save-whales-greek-seas-dying-agon](https://www.theguardian.com/environment/2018/may/27/shipping-routes-move-save-whales-greek-seas-dying-agon) Government promises action on collisions to avoid slaughter on busy shipping routes.

Harnessing the Blue Economy must consider social inclusion and responsible stewardship.

By Ambassador Macharia Kamau and Siddharth Chatterjee. *Inter Press Service (IPS).*

29 May 2018. Available from: [http://www.ipsnews.net/2018/05/harnessing-blue-economy-must-](http://www.ipsnews.net/2018/05/harnessing-blue-economy-must-consider-social-inclusion-responsible-stewardship/)

[consider-social-inclusion-responsible-stewardship/](http://www.ipsnews.net/2018/05/harnessing-blue-economy-must-consider-social-inclusion-responsible-stewardship/) In April 2018, Commonwealth leaders met in a retreat at a royal residence in the English county of Berkshire and agreed on strategies to deepen trade in their 53-member organisation, improve security, tackle climate change, and work together for the betterment of the lives of the people of the Commonwealth.

ENVIRONMENTAL POLLUTION

Australia's shipping industry to halve toxic emissions by 2050. By Jon Daly.

ABC Radio Australia. 2 May 2018. Available from:

[http://www.radioaustralia.net.au/international/2018-05-02/australias-shipping-industry-to-halve-toxic-](http://www.radioaustralia.net.au/international/2018-05-02/australias-shipping-industry-to-halve-toxic-emissions-by-2050/1753394)

[emissions-by-2050/1753394](http://www.radioaustralia.net.au/international/2018-05-02/australias-shipping-industry-to-halve-toxic-emissions-by-2050/1753394) The United Nations' International Maritime Organisation (IMO) has confirmed its intention to reduce sulphur emissions by 3 per cent over the next two years, and to halve greenhouse gas (GHG) emissions by 2050.

Combating paraffin wax residues at sea and on the beach. *Government of the Netherlands.*

8 May 2018. Available from: <https://bit.ly/2LsBhk8> New agreements need to ensure that ships originating from Dutch ports no longer discharge tank washings containing paraffin such as candle wax into the sea.

Turning the tide on plastic pollution. *United Nations Environment Programme (UNEP).*

8 May 2018. Available from: [https://www.unenvironment.org/news-and-stories/video/turning-tide-](https://www.unenvironment.org/news-and-stories/video/turning-tide-plastic-pollution)

[plastic-pollution](https://www.unenvironment.org/news-and-stories/video/turning-tide-plastic-pollution) UN Environment's Clean Seas campaign is just over a year old, but the movement has already lined up some major commitments to tackle plastic pollution in the world's oceans.

Israel, Greece, Cyprus sign trilateral agreement for preparedness and response to oil pollution events. *Government of Israel.*

13 May 2018. Available from: <https://bit.ly/2Lq5ct6> In 2017, Israel, Cyprus, and Greece promoted a first trilateral program of its kind for preparedness and response to oil pollution events.

UN to investigate mysterious emissions of banned ozone-damaging CFCs.

By Soila Apparicio. *Climate Home News*. 17 May 2018. Available from:

<http://www.climatechangenews.com/2018/05/17/un-investigate-mysterious-emissions-banned-ozone-damaging-cfcs/> A study published in scientific journal Nature on Wednesday found higher than expected levels of CFC-11 in the air, a human-made chemical known to deplete the ozone layer.

Shipping takes aim at aviation's emissions. By Sam Chambers. *Splash 247.com*. 28 May 2018.

Available from: <https://splash247.com/shipping-takes-aim-aviations-emissions/> Now that shipping has been set its first ever CO2 reduction targets the sector has taken a swipe at its aviation cousins who remain the last large unregulated greenhouse gas emitter.

Why this sea lion is a symbol of the plastic pollution threat to the Galápagos Islands.

By Tom Clarke. *ITV News (UK)*. 29 May 2018. Available from: <http://www.itv.com/news/2018-05-29/galapagos-islands-plastic-pollution-itv-news-investigation/> I'm standing on a beach where only a very few humans have ever walked, watching a sea lion playing with a torn plastic bottle.

HEALTH & SAFETY

9 out of 10 people worldwide breathe polluted air, but more countries are taking action.

World Health Organization (WHO). 2 May 2018. Available from: <http://www.who.int/news-room/detail/02-05-2018-9-out-of-10-people-worldwide-breathe-polluted-air-but-more-countries-are-taking-action> Air pollution levels remain dangerously high in many parts of the world.

New Ebola outbreak confirmed in DR Congo: UN health agency scales up response.

UN News. 8 May 2018. Available from: <https://news.un.org/en/story/2018/05/1009142> The new Ebola cases were identified on Tuesday in a remote area of the country's north-west, near the town of Bikoro, near the Congo River.

WHO and partners working with national health authorities to contain new Ebola outbreak in the Democratic Republic of the Congo. *World Health Organization (WHO)*. 11 May 2018.

Available from: <http://www.who.int/news-room/detail/11-05-2018-who-and-partners-working-with-national-health-authorities-to-contain-new-ebola-outbreak-in-the-democratic-republic-of-the-congo> The World Health Organization (WHO) and a broad range of partners are in the Democratic Republic of the Congo (DRC) working with the Government to contain an outbreak of Ebola virus disease (EVD) in Bikoro health zone, Equateur Province.

Mental health awareness week. *UK P&I Club*. 14 May 2018. Available from:

<https://www.ukpandi.com/knowledge-publications/article/mental-health-awareness-week-143712/> Crew are especially susceptible to stress, as their jobs can sometimes involve social isolation, high pressure and sleep disruption.

Effects of mental well-being on personal injury and recovery. *Skuld*. 14 May 2018.

Available from: <https://www.skuld.com/topics/people/crew/effects-of-mental-wellbeing-on-personal-injury-and-recovery/> Personal injury and illness claims are of course very different from property claims and besides the actual injury or illness sustained the "human element" can vastly alter the outcome of the recovery period and thus making the matters somewhat unpredictable to deal with.

Emergency meeting called as Ebola spreads to Congolese city - UN health agency. *UN News*.

17 May 2018. Available from: <https://news.un.org/en/story/2018/05/1009972> One new case of Ebola virus disease has been confirmed in Mbandaka, a city with a population of about 1.2 million, WHO confirmed on Thursday, raising fears that despite a rapid response by authorities, the outbreak has not been contained.

Statement on the 1st meeting of the IHR Emergency Committee regarding the Ebola outbreak in 2018. *World Health Organization (WHO)*. 18 May 2018. Available from: <http://www.who.int/news-room/detail/18-05-2018-statement-on-the-1st-meeting-of-the-ihr-emergency-committee-regarding-the-ebola-outbreak-in-2018> It was the view of the Committee that the conditions for a Public Health Emergency of International Concern (PHEIC) have not currently been met.

Ebola outbreak puts DR Congo on an 'epidemiological knife-edge'. *UN News*. 23 May 2018. Available from: <https://news.un.org/en/story/2018/05/1010452> The Democratic Republic of the Congo (DRC) remains on an "epidemiological knife-edge" regarding the spread of deadly Ebola disease, despite the quick response by authorities and international partners to the threat, the World Health Organization (WHO) said on Wednesday.

Industry partners produce guidelines for seafarer mental welfare policy. *Nautilus International*. 25 May 2018. Available from: <https://www.nautilusint.org/en/news-insight/news/industry-partners-produce-guidelines-for-seafarer-mental-welfare-policy/> Nautilus, the RMT union and the UK Chamber of Shipping have jointly agreed new guidelines to help shipping companies to develop policies for the mental wellbeing of their seafarers.

Guidelines to shipping companies on mental health awareness. *National Maritime Occupational Health and Safety Committee*. 25 May 2018. Available from: <https://bit.ly/2LynZ5s> Mental illness is estimated to cost UK businesses £30billion every year, through lost production, recruitment and absence.

IMO

IMO: Phasing out shipping GHGs "A matter of urgency". *Ship & Bunker*. 1 May 2018. Available from: <https://shipandbunker.com/news/world/482315-imo-phasing-out-shipping-ghgs-a-matter-of-urgency> The International Maritime Organization (IMO) has highlighted its recently adopted initial strategy to reduce GHG emissions from ships at the Bonn Climate Change Conference, which began Monday.

ICAO, why can't you be a bit more like your sister? By Daniel Rutherford. *International Council on Clean Transportation (ICCT)*. 2 May 2018. Available from: <https://www.theicct.org/blog/staff/icao-why-cant-you-be-bit-more-your-sister> Arguably, the biggest climate news so far in 2018 is the International Maritime Organization, or IMO, finally adopting a global climate framework for international shipping.

IMO proposes incentives for first movers to take up new green technologies. **By Sam Chambers.** *Splash 247.com*. 3 May 2018. Available from: <https://splash247.com/imo-proposes-incentives-first-movers-take-new-green-technologies/> The IMO has submitted a 27-page note to the United Nations Climate Change secretariat outlining the key deals thrashed out last month at the 72nd gathering of the Marine Environment Protection Committee (MEPC), a meeting that gave shipping its first ever greenhouse gas (GHG) emissions target.

MSAF hosts safety, environment protection audit. *Fiji Sun Online*. 9 May 2018. Available from: <http://fijisun.com.fj/2018/05/09/msaf-hosts-safety-environment-protection-audit/> The Maritime Safety Authority of Fiji (MSAF) is hosting a weeklong Maritime Safety, and Marine Environment Protection independent audit on Fiji under the IMO Member State Audit Scheme (IMSAS).

IMO debates need to modernise regulatory process. By Nick Savvides. *Fairplay*. 16 May 2018. Available from: <https://fairplay.ihs.com/safety-regulation/article/4301321/imo-debates-need-to-modernise-regulatory-process> The International Maritime Organization (IMO) is 70 years old, and in celebration of this milestone and the acceptance of the 174th member state, the Pacific island of Nauru, the regulator hosted a forum to debate major developments in shipping since its inception.

Interview: Kitack Lim, Secretary-General, IMO. By Greg Trauthwein. *MarineLink.com*.

16 May 2018. Available from: <https://www.marinelink.com/news/secretarygeneral-kitack437579>

As the International Maritime Organization (IMO) celebrates its 70th anniversary, Kitack Lim, Secretary-General, sits in his London office with a sense of satisfaction that in his two plus years at the helm of IMO tremendous strides have been made toward significant greenhouse gas emission reductions, punctuated by the recent MEPC meeting where the target was set for a 50% reduction in CO2 emissions by 2050.

Interview: IMO head says 'no possibility of delay' to sulfur limit rule for marine fuels.

By Surabhi Sahu and Jack Jordan. *S&P Global Platts*. 18 May 2018. Available from:

<https://www.platts.com/latest-news/shipping/singapore/interview-imo-head-says-no-possibility-of-delay-27982602>

International shipping is coming under increased scrutiny due to its role in global environmental emissions.

IMO's regulation making processes need improvement: Hinchliffe. By Vincent Wee.

Seatrade Maritime News. 21 May 2018. Available from: [http://www.seatrade-](http://www.seatrade-maritime.com/news/europe/imo-s-regulation-making-processes-need-improvement-ics-sec-gen-hinchliffe.html)

[maritime.com/news/europe/imo-s-regulation-making-processes-need-improvement-ics-sec-gen-hinchliffe.html](http://www.seatrade-maritime.com/news/europe/imo-s-regulation-making-processes-need-improvement-ics-sec-gen-hinchliffe.html) "There are some shortcomings in the way that the IMO produces regulation which have emerged over the last say 10 years," he told *Seatrade Maritime News*.

Women in shipping - Helen Buni, IMO Focal Point for Women in Maritime. *Fairplay*.

24 May 2018. Available from: [https://fairplay.ihs.com/article/4301606/women-in-shipping-helen-](https://fairplay.ihs.com/article/4301606/women-in-shipping-helen-buni-imo-focal-point-for-women-in-maritime)

[buni-imo-focal-point-for-women-in-maritime](https://fairplay.ihs.com/article/4301606/women-in-shipping-helen-buni-imo-focal-point-for-women-in-maritime) As the maritime arm of the United Nations, the International Maritime Organization is tasked with creating regulation that the global maritime industry must adhere.

Meeting of Global Shipowners' Associations reaffirms commitment to IMO Hong Kong

Convention. *International Chamber of Shipping (ICS)*. 25 May 2018. Available from: [http://www.ics-](http://www.ics-shipping.org/news/press-releases/2018/05/25/meeting-of-global-shipowners-associations-reaffirms-commitment-to-imo-hong-kong-convention)

[shipping.org/news/press-releases/2018/05/25/meeting-of-global-shipowners-associations-reaffirms-commitment-to-imo-hong-kong-convention](http://www.ics-shipping.org/news/press-releases/2018/05/25/meeting-of-global-shipowners-associations-reaffirms-commitment-to-imo-hong-kong-convention) Global Shipowners' Meeting (coordinated by the Asian Shipowners' Association (ASA) and attended by BIMCO, ECSA, ICS and INTERTANKO) reaffirms commitment to the Hong Kong Convention and the need for a global solution for environmentally sustainable ship recycling.

IMO autonomous vessel scoping exercise 'must not ignore human factors'. By Tanya Blake.

Fairplay. 28 May 2018. Available from: [https://fairplay.ihs.com/safety-](https://fairplay.ihs.com/safety-regulation/article/4302056/imo-autonomous-vessel-scoping-exercise-must-not-ignore-human-factors%E2%80%99)

[regulation/article/4302056/imo-autonomous-vessel-scoping-exercise-must-not-ignore-human-factors%E2%80%99](https://fairplay.ihs.com/safety-regulation/article/4302056/imo-autonomous-vessel-scoping-exercise-must-not-ignore-human-factors%E2%80%99)

Human factors should not be ignored in the International Maritime Organization's (IMO's) Maritime Safety Committee (MSC) regulatory scoping exercise for autonomous vessels, a number of delegates and maritime organisations stressed during MSC 99.

Compensation for Hazardous and Noxious Cargoes a step closer. *Danish Shipping*.

28 May 2018. Available from: [https://www.danishshipping.dk/en/press/news/compensation-for-](https://www.danishshipping.dk/en/press/news/compensation-for-hazardous-and-noxious-cargoes-a-step-closer)

[hazardous-and-noxious-cargoes-a-step-closer](https://www.danishshipping.dk/en/press/news/compensation-for-hazardous-and-noxious-cargoes-a-step-closer) Denmark has presented its plan to ratify the 2010 International Convention on Liability and Compensation for Damage in connection with the Carriage of Hazardous and Noxious Substances by Sea.

LAW & POLICY

Text of the amendments adopted on 27 April 2018. *International Labour Organization (ILO).* 30 April 2018. Available from: http://www.ilo.org/global/standards/maritime-labour-convention/special-tripartite-committee/WCMS_627161 Third meeting of the Special Tripartite Committee established by the Governing Body in accordance with Article XIII of the Maritime Labour Convention, 2006, as amended (MLC, 2006): [Text of the amendments](#) 📄

Nautilus seeks long-term strategy for continuous MLC improvements. *Nautilus International.* 30 April 2018. Available from: <https://www.nautilusint.org/en/news-insight/news/nautilus-seeks-long-term-strategy-for-continuous-mlc-improvements/> Nautilus International has welcomed an agreement to amend the Maritime Labour Convention (MLC) 2006 to provide improved protection for seafarers held hostage as a result of piracy or armed robbery attacks on their ships.

The Government of Canada ensuring that polluters pay for causing hazardous and noxious substances spills. *Government of Canada.* 1 May 2018. Available from: <https://www.canada.ca/en/transport-canada/news/2018/05/the-government-of-canada-ensuring-that-polluters-pay-for-causing-hazardous-and-noxious-substances-spills.html> Canada depends on the marine sector to bring commodities to and from overseas markets in a way that protects our coastlines from the risk of a serious spill that could cause severe damage.

After UN deal on shipping emissions, it's now up to Europe 'to get things moving'. *Transport & Environment.* 2 May 2018. Available from: <https://www.transportenvironment.org/news/after-un-deal-shipping-emissions-it%E2%80%99s-now-europe-%E2%80%98-get-things-moving%E2%80%99> Sustained pressure on governments to regulate the shipping sector's climate impact has finally resulted in a pledge to require international shipping to at least halve its greenhouse gas emissions by 2050.

NIMASA moves to halt dumping of wastes at sea. By Sulaimon Salau. *Guardian (Nigeria).* 3 May 2018. Available from: <https://guardian.ng/business-services/nimasa-moves-to-halt-dumping-of-wastes-at-sea/> The Nigerian Maritime Administration and Safety Agency (NIMASA), has inaugurated Marine Litter Marshals to assist the Agency in ridding the oceans of unwanted waste materials that could cause environmental degradation, and also impede safety of navigation on the nation's territorial waters.

Cross industry group sets new standard with revised bunker contract. By Rasmus Nord Jorgensen. *BIMCO.* 3 May 2018. Available from: <https://www.bimco.org/news/press-releases/20180502-revised-bunker-contract> BIMCO's Documentary Committee approved a new set of standard bunker terms, developed by a cross-industry group, in New York on 2 May.

Published Opinion 174061: United States of America v. Oceanic Illsabe Limited. *United States Court of Appeals for the Fourth Circuit.* 7 May 2018. Available from: <http://www.ca4.uscourts.gov/opinions/174061.P.pdf> 📄 In 2016, Oceanic Illsabe Limited ("Oceanic") and Oceanfleet Shipping Limited ("Oceanfleet") (together, the "Appellants") — two closely related corporate entities headquartered in Greece — were each convicted of nine criminal offenses by a jury in eastern North Carolina.

Maritime policy at advanced stages. By Charles Mghenyi. *The Star (Kenya).* 8 May 2018. Available from: https://www.the-star.co.ke/news/2018/05/08/maritime-policy-at-advanced-stages_c1754963 Formulation of the National Maritime Transport Policy is at advanced stages, Maritime Principal Secretary Nancy Karigithu said yesterday.

Rescuers from Denmark and Spain cleared of human trafficking by Greek court. *The Local (Spain).* 8 May 2018. Available from: <https://www.thelocal.es/20180508/rescuers-from-denmark-and-spain-cleared-of-human-trafficking-by-greek-court> "The accusation has not been proven," the judge said after the trial in the Lesbos capital Mytilene.

New Marina chief unveils 14-point agenda for agency. *PortCalls Asia*. 8 May 2018.

Available from: <https://www.portcalls.com/marina-chief-unveils-14point-agenda-agency/> Newly appointed Maritime Industry Authority (Marina) administrator retired General Rey Leonardo Guerrero bared his 14-point priority program as he formally took the helm at the maritime agency.

Libya - risk of crew being arrested. *Gard*. 8 May 2018. Available from:

<http://www.gard.no/web/updates/content/25469679/libya-risk-of-crew-being-arrested-> Over the last few years, nearly 300 crew members have been arrested and are being held in a Tripoli prison, awaiting trial for alleged oil smuggling, according to Gard's Libyan correspondent.

4th Circuit upholds pollution-dumping convictions of Greek shipping firms.

By Barbara Grzincic. *Reuters*. 8 May 2018. Available from: <https://www.reuters.com/article/4th-circuit-upholds-pollution-dumping-co/4th-circuit-upholds-pollution-dumping-convictions-of-greek-shipping-firms-idUSL1N1SF0H4> A federal appeals court on Monday affirmed the criminal convictions and penalties imposed on the owners and operators of the *M/V Ocean Hope* after crew members repeatedly used a flexible hose, known in the shipping industry as a "magic pipe," to bypass pollution controls on a three-month journey between Bangladesh and North Carolina in 2015.

Online system to combat maritime crime underway. **By Abdallah Msuya.**

Daily News (Tanzania). 9 May 2018. Available from: <https://dailynews.co.tz/index.php/home-news/57766-online-system-to-combat-maritime-crime-underway> "With this e-sea vessel registration, definitely our trust internationally will rise as it will help us be open and careful when issuing licences to international ships, Mr Haroun Ali Suleiman, the minister responsible for legal affairs, said at the launch of the new technology.

How to save the high seas. **By Olive Heffernan.** *Nature*. 9 May 2018. Available from:

<https://www.nature.com/articles/d41586-018-05079-z> In the early fifteenth century, Portuguese sailors reached a becalmed part of the Atlantic Ocean, coated with mats of gold-brown seaweed.

Shipping company will pay million dollar fine for environmental pollution crimes.

US Department of Justice. 10 May 2018. Available from: <https://www.justice.gov/opa/pr/shipping-company-will-pay-million-dollar-fine-environmental-pollution-crimes> A Japanese shipping company that delivered steel products to Wilmington, NC, was convicted and sentenced today for obstruction of justice and falsification of an Oil Record Book to cover-up intentional oil pollution from the Motor Vessel ("*M/V*") *Atlantic Oasis*, announced Acting Assistant Attorney General Jeffrey H. Wood and United States Attorney Robert J. Higdon Jr. Nitta Kisen Kaisha Ltd.

N. Korea vows to halt unannounced missile tests. *Yonhap News Agency (South Korea)*.

11 May 2018. Available from:

<http://english.yonhapnews.co.kr/news/2018/05/11/0200000000AEN20180511004500315.html>

North Korea has promised to not carry out unannounced missile tests and to abstain from other activities hazardous to commercial aviation in a recent meeting with officials of the International Civil Aviation Organization (ICAO), an American media report said Friday.

Australia renews commitment to major Pacific climate and oceans monitoring and prediction programme. *Pacific Community (SPC)*. 11 May 2018. Available from:

<http://www.spc.int/blog/australia-renews-commitment-to-major-pacific-climate-and-oceans-monitoring-and-prediction-programme/>

At the Planning and Steering Committee meetings for the Climate and Ocean Support Program in the Pacific (COSPPac) held this week in Tonga, the Australian Government confirmed that they will continue the excellent work of the programme into a second four year phase beginning 1 July 2018.

Turkish livestock carrier owner fined for dumping dead sheep overboard. By Sam Chambers. *Splash 247.com*. 14 May 2018. Available from: <https://splash247.com/turkish-livestock-carrier-owner-fined-dumping-dead-ship-overboard/> Turkey's Danube Shipping Company has been fined and will face significant clean-up costs after crew on its 54-year-old livestock carrier, *Alferdawi-1*, were caught last week dumping sheep carcasses into the Red Sea.

Foreign fishing vessel pays \$20K fine for oil spill. *Fiji Broadcasting Corporation (FBC)*. 14 May 2018. Available from: <http://www.fbc.com.fj/fiji/63586/foreign-fishing-vessel-pays-20k-fine-for-oil-spill-> Responding to an oral question from the Opposition Leader Ro Teimumu Kepa on what is being done to minimise the environmental implications as a result of incidents like these, Sayed-Khaiyum noted that stringent measures have been put in place.

Ex-IMO Chief tasks African countries to develop maritime infrastructure. By Shulammitte 'Foyeku. *Ships & Ports*. 16 May 2018. Available from: <http://shipsandports.com.ng/ex-imo-chief-tasks-african-countries-develop-maritime-infrastructure/> Former Chairman, International Maritime Organization (IMO) Legal Committee, Kofi Mbiah, has called for the creation of African maritime policy with focus on infrastructure development in the sub region.

President Duterte declares Philippine Rise as Marine Resource Reserve. *Government of the Philippines*. 16 May 2018. Available from: https://pcoo.gov.ph/news_releases/president-duterte-declares-philippine-rise-as-marine-resource-reserve/ President Rodrigo Duterte issued a Presidential Proclamation on Tuesday formally declaring parts of the Philippine Rise undersea feature as a Marine Resource Reserve.

Norwegian parliament adopts zero-emission regulations in World Heritage fjords. *UNESCO World Heritage Centre*. 17 May 2018. Available from: <http://whc.unesco.org/en/news/1824> The Norwegian Parliament has adopted a resolution to halt emissions from cruise ships and ferries in the West Norwegian Fjords - Geirangerfjord and Nærøfjord World Heritage site by 2026 at the latest.

Updates to merchant shipping laws proposed to prevent pollution. *Government of Hong Kong Special Administrative Region*. 18 May 2018. Available from: <http://www.info.gov.hk/gia/general/201805/18/P2018051800284.htm> The Government proposes to amend the regulations under the Merchant Shipping (Prevention and Control of Pollution) Ordinance to incorporate the latest requirements of Annex II to the International Convention for the Prevention of Pollution from Ships (MARPOL) of the International Maritime Organization (IMO) in relation to ships carrying noxious liquid substances (NLS) in bulk into local legislation.

Ghana and Cote d'Ivoire initiate moves to implement ITLOS ruling. *GhanaWeb*. 18 May 2018. Available from: <https://www.ghanaweb.com/GhanaHomePage/NewsArchive/Ghana-and-Cote-d-Ivoire-initiate-moves-to-implement-ITLOS-ruling-652850> Ghana and Cote d'Ivoire have initiated processes aimed at implementing the ruling by the Special Chamber of the International Tribunal for the Law of the Sea (ITLOS) on the maritime boundary, by depositing the coordinates of the line so defined with the relevant bodies of the United Nations.

Government outlaws private security guards onboard vessels . By Sulaimon Salau and Mayowa Fakile. *Guardian (Nigeria)*. 18 May 2018. Available from: <https://guardian.ng/business-services/government-outlaws-private-security-guards-onboard-vessels/> Notwithstanding the spate of pirate attacks on its territorial waters, the Federal Government has declared that the Nigerian Constitution forbids the use of armed private guards on board vessels.

National Strategy to address Canada's wrecked and abandoned vessels. *Government of Canada*. 18 May 2018. Available from: <https://www.canada.ca/en/transport-canada/news/2018/05/national-strategy-to-address-canadas-wrecked-and-abandoned-vessels0.html> The Government recognizes that wrecked and abandoned vessels can pose hazards to the environment, public health and safety, and local economies such as fishing and tourism industries.

Gunwa: Why it's difficult to enforce compliance in Nigeria's maritime. By Bayo Akomolafe.

New Telegraph (Nigeria). 21 May 2018. Available from:

<https://newtelegraphonline.com/2018/05/gunwa-why-its-difficult-to-enforce-compliance-in-nigerias-maritime/> Chief Executive Officer, Maritime Service Limited, Mrs Juliana Gunwa, in this interview

with Bayo Akomolafe, says the only way to address Nigeria's maritime sector's challenges is to domesticate and enforce necessary maritime conventions.


Control of smoke emissions by vessels in port. Maritime and Port Authority of Singapore (MPA).

22 May 2018. Available from: <https://www.mpa.gov.sg/web/portal/home/port-of-singapore/circulars-and-notices/detail/6b8b3ece-ff98-4bb4-88ae-d3246e5dbd3b>

The Maritime and Port Authority of Singapore (MPA) would like to remind ship masters and owners of vessels to take all necessary measures to prevent their vessels from emitting excessive soot, ash, or dark smoke from engine exhaust and/or ancillary shipboard machineries throughout the duration of vessel stay in port.

(Un)certain Skies? Drones in the World of Tomorrow. International Transport Forum.

22 May 2018. Available from: <https://www.itf-oecd.org/uncertain-skies-drones> This report

investigates the role of drones as part of the future transport mix. [Report](#) 

Canada and the Kingdom of Denmark (with Greenland) announce the establishment of a Joint Task Force on Boundary Issues. Government of Denmark.

23 May 2018. Available from:

<http://um.dk/en/news/newsdisplaypage/?newsid=e624a67d-1317-4ac6-8f28-30f5234e9759>

The task force will explore options and provide recommendations on how to resolve outstanding boundary issues between the two nations.

Hawaiian fishing companies, managers, and operators will perform corrective measures and pay civil penalties to address illegal ocean pollution. US Department of Justice.

24 May 2018.

Available from: <https://www.justice.gov/usao-hi/pr/hawaiian-fishing-companies-managers-and-operators-will-perform-corrective-measures-and>

Two Honolulu-based fishing companies, Triple Dragon, LLC, and Capt. Millions III, LLC, along with the company managers and vessel operators, have each agreed to implement operational improvements and other compliance measures and pay civil penalties to settle claims stemming from numerous discharges of oily bilge waste from the commercial fishing vessels *Triple Dragon* and *Capt. Millions III*.

Single-use plastics: New EU rules to reduce marine litter. European Commission.

28 May 2018.

Available from: http://europa.eu/rapid/press-release_IP-18-3927_en.htm Together these constitute

70% of all marine litter items.

MARINE TECHNOLOGY

Philippines not keen on unmanned ships - stakeholders. Manila Times.

1 May 2018.

Available from: <http://www.manilatimes.net/philippines-not-keen-on-unmanned-ships-stakeholders/396045/>

The use of unmanned ships or autonomous vessels at sea is being eyed in

other countries, but not yet in the Philippines.

Future sailors: what will ships look like in 30 years? By Fred Pearce. The Guardian.

3 May 2018. Available from: [https://www.theguardian.com/environment/2018/may/03/future-sailors-](https://www.theguardian.com/environment/2018/may/03/future-sailors-what-will-ships-look-like-in-30-years)

[what-will-ships-look-like-in-30-years](https://www.theguardian.com/environment/2018/may/03/future-sailors-what-will-ships-look-like-in-30-years) Watch out for the return of the sailing ship.

Research, Development, Test and Evaluation Spotlight: Short-range UAS for the maritime environment. By Loretta Haring. US Coast Guard Compass.

8 May 2018. Available from:

<http://coastguard.dodlive.mil/2018/05/research-development-test-and-evaluation-spotlight-short-range-uas-for-the-maritime-environment/>

The Coast Guard "sees a clear opportunity to perform many of its missions faster, cheaper and more safely through the use of short-range unmanned aircraft systems," said Lt. Cmdr. Ryan Lampe, short-range UAS platform manager in the Office of Aviation Forces

Shipping urged to collaborate to reap technological benefits. By Nick Savvides. *Fairplay*. 8 May 2018. Available from: <https://fairplay.ihs.com/commerce/article/4300576/shipping-urged-to-collaborate-to-reap-technological-benefits> In 2016, Bloomberg reported on a secret plan by Amazon to move into the shipping field.

Nautilus survey finds 85% see autonomous shipping as a threat to safety at sea. By Marcus Hand. *Seatrade Maritime News*. 9 May 2018. Available from: <http://www.seatrade-maritime.com/news/europe/nautilus-survey-finds-85-see-autonomous-shipping-as-a-threat-to-safety-at-sea.html> The survey of nearly 1,000 maritime professionals from around the world puts a human perspective on the sweeping changes that autonomous shipping could bring to the industry.

Nautilus urges IMO to take heed of human factors in 'smart ship' review. *Nautilus International*. 9 May 2018. Available from: <https://www.nautilusint.org/en/news-insight/news/nautilus-urges-imo-to-take-heed-of-human-factors-in-smart-ship-review/> Neglecting 'human factors' in the drive towards autonomous shipping could pose big threats to safety and the environment, Nautilus International has warned ahead of top-level talks on the issues.

Future proofed? What maritime professionals think about autonomous shipping. *Nautilus Federation*. 2018. Available from: https://nautilusfederation.org/wp-content/uploads/2018/02/report_auto_8.2.18.compressed.pdf 2018 is set to be the year in which the world will witness the entry into service of the world's first crewless merchant ship - the Norwegian vessel *Yara Birkeland*, which will be deployed on a 37-mile route in southern Norway and will transition to fully autonomous operation over a two-year transition period.

Autonomous ships could enhance O&M and help to reduce costs. By David Foxwell. *Marine Electronics & Communications*. 10 May 2018. Available from: http://www.marinemec.com/news/view.autonomous-ships-could-enhance-om-and-help-to-reduce-costs_51739.htm A £900,000 (US\$1.2M) joint industry project is set to explore technical, regulatory and other issues around using autonomous surface vessels, integrated with manned shipping operations, to support offshore windfarm operations and maintenance.

3D printing could decimate container shipping. By Marcus Hand. *Seatrade Maritime News*. 10 May 2018. Available from: <http://www.seatrade-maritime.com/news/asia/3d-printing-could-decimate-container-shipping.html> While many of the world's largest ports sink huge investments into being able to handle 20,000 teu containerships, Diane Edwards, WISTA international secretary and general manager (people, systems and technology) for the Port of Auckland said she believed containerisation would decrease over the next few years.

Data-bait: using tech to hook globe's multi-billion-dollar fishing cheats. By Thin Lei Win. *Reuters*. 11 May 2018. Available from: <https://www.reuters.com/article/us-global-fishing-technology-analysis/data-bait-using-tech-to-hook-globes-multi-billion-dollar-fishing-cheats-idUSKBN1IC0U5> In 2016, a Thai-flagged fishing vessel was detained in Seychelles on suspicion that it had been fishing illegally in the Indian Ocean, one of the world's richest fishing grounds.

Blockchain technology set to renew and ease ship registration. *Danish Maritime Authority*. 11 May 2018. Available from: <https://www.dma.dk/Presse/Nyheder/Sider/Blockchain-technology-set-to-renew-and-ease-ship-registration.aspx> Having to travel halfway around the world, which today is common practice when ships are traded, could become a thing of the past due to digitalisation.

Carnival Cruise Line unveils largest, most technologically advanced operations center in cruise industry. *Carnival Corporation & Plc*. 10 May 2018. Available from: <http://www.carnivalcorp.com/phoenix.zhtml?c=200767&p=irol-newsArticle&ID=2348524> Carnival Cruise Line today previewed its new Fleet Operations Center (FOC) in Miami, the largest and most advanced in the cruise industry.

Rolls-Royce and AXA to jointly develop risk management products for autonomous shipping.

Rolls-Royce. 14 May 2018. Available from: <http://www.rolls-royce.com/media/our-stories/press-releases/2018/14-05-2018-rr-and-axa-to-jointly-develop-risk-management-products-for-autonomous-shipping.aspx> Rolls-Royce and AXA Corporate Solutions have signed a Letter of Intent (LOI) to explore ways in which they can combine their respective products, to bring a new offering to the marine market, utilising Rolls-Royce Ship Intelligence systems and equipment and AXA's risk analytics capabilities to support current sailing and future vessels.

New online tool to help evaluate options for Sulphur 2020 compliance. *Lloyd's Register*.

15 May 2018. Available from: <https://www.lr.org/en/latest-news/online-tool-to-help-evaluate-options-for-sulphur-2020-compliance/> LR has today launched the 'Sulphur 2020 - Options Evaluator' to help the industry identify the best strategy for compliance with the global sulphur in fuel oil limit of 0.50% m/m, which comes into effect on 1 January 2020.

Insurance for an autonomous vessel future. By Martyn Wingrove.

Marine Propulsion & Auxiliary Machinery. 16 May 2018. Available from:

http://www.mpropulsion.com/news/view.insurance-for-an-autonomous-vessel-future_51813.htm

Shipowners considering operating remote control ships or autonomous vessels will need insurance for these assets and to protect and assure third parties.

Cranes, heavy lift shipping, engineering and new technologies. By Yahaya Sanusi.

Maritime Logistics Professional. 23 May 2018. Available from:

<https://www.maritimeprofessional.com/news/cranes-heavy-lift-shipping-engineering-317800>

Compared to new technologies, conventional engineering in shipping is a relatively simple science: computable and generally predictable.

How drones could help save lives at sea. *BBC News*. 23 May 2018. Available from:

<http://www.bbc.co.uk/news/av/technology-44070529/how-drones-could-help-save-lives-at-sea> 📺

Drones which can identify humans in distress and help rescue teams survey the surrounding location are being trialled by the Royal National Lifeboat Institution (RNLI) and the Maritime and Coastguard Agency.

New Maritime Fuel Rules: Scrubber Solutions. By Greg Trauthwein. *MarineLink.com*.

24 May 2018. Available from: <https://www.marinelink.com/news/new-maritime-fuel-rules-scrubber-437902> Earlier this year in New York City the Exhaust Gas Cleaning System Association (EGCSA) held its annual meeting to discuss the business, technologies and future of scrubbers as a solution to the looming IMO 2020 fuel rules.

A maritime revolution is coming, and no one's in the wheelhouse. By Blake Schmidt.

Bloomberg. 28 May 2018. Available from: <https://www.bloomberg.com/news/features/2018-05-28/boat-drones-propel-one-of-china-s-hottest-startups> 📺

In the vast, freezing Ross Sea, China's "Snow Dragon" icebreaker needed to find a safe anchorage before it could begin its mission to set up China's fifth Antarctic research station.

'Autonomous' does not necessarily mean 'unmanned'. By Richard Clayton. *Lloyd's List*.

29 May 2018. Available from:

<https://lloydslist.maritimeintelligence.informa.com/LL1122784/Autonomous-does-not-necessarily-mean-unmanned>

I was assured last week in Houston that "autonomous doesn't mean unmanned".

MARITIME EDUCATION & TRAINING

City Law School enters into alliance to launch Gulf region's first Masters in Maritime Law.

By Nahda Abdalla. *City University of London.* 30 April 2018. Available from:

<https://www.city.ac.uk/news/2018/april/city-law-school-enters-into-alliance-to-launch-gulf-regions-first-masters-in-maritime-law>

The City Law School and the Dubai International Financial Centre (DIFC) Academy of Law have announced a joint venture to launch the region's first specialised Masters in Maritime Law (LLM).

MarTID: A new tool for maritime training professionals. **By Joseph Keefe.** *Maritime Logistics*

Professional. 1 May 2018. Available from: [https://www.maritimeprofessional.com/blogs/post/martid-](https://www.maritimeprofessional.com/blogs/post/martid-a-new-tool-for-maritime-training-professionals-15319)

[a-new-tool-for-maritime-training-professionals-15319](https://www.maritimeprofessional.com/blogs/post/martid-a-new-tool-for-maritime-training-professionals-15319) The first annual Maritime Training Insights Database (MarTID) Report initiative has been two years in the making.

[MarTID: 2018 Training Practices Report](#)

Seafarers need special training to deal with rising tide of data, insurers warn.

Nautilus International. 2 May 2018. Available from: [https://www.nautilusint.org/en/news-](https://www.nautilusint.org/en/news-insight/telegraph/seafarers-need-special-training-to-deal-with-rising-tide-of-data-insurers-warn/)

[insight/telegraph/seafarers-need-special-training-to-deal-with-rising-tide-of-data-insurers-warn/](https://www.nautilusint.org/en/news-insight/telegraph/seafarers-need-special-training-to-deal-with-rising-tide-of-data-insurers-warn/)

There is an increasingly pressing need for seafarers to get special training to be able to understand and handle the high volumes of data being produced onboard their ships, insurers have warned.

Carnival Maritime, ENSM partner for cadet training. **By Michelle Howard.**

Maritime Logistics Professional. 7 May 2018. Available from:

<https://www.maritimeprofessional.com/news/carnival-maritime-ensm-partner-cadet-317178> The aim of the collaboration is to train the next generation of qualified officers for the cruise industry and their future responsibilities, based on both the nautical and the technical IMO curriculum at the ENSM.

WMU-Sasakawa Global Ocean Institute Inauguration. *World Maritime University (WMU).*

8 May 2018. Available from: [https://www.wmu.se/news/wmu-sasakawa-global-ocean-institute-](https://www.wmu.se/news/wmu-sasakawa-global-ocean-institute-inauguration)

[inauguration](https://www.wmu.se/news/wmu-sasakawa-global-ocean-institute-inauguration) The WMU-Sasakawa Global Ocean Institute (Global Ocean Institute) was officially inaugurated on 8 May.

MOL new Maritime Academy in Philippines to open in August - construction of facilities completed, official approval received. *Mitsui O.S.K.Lines (MOL).* 8 May 2018. Available from:

<http://www.mol.co.jp/en/pr/2018/18029.html> (MOL; President & CEO: Junichiro Ikeda) today announced that the establishment of MOL Magsaysay Maritime Academy Inc. in Salitran, Dasmariñas City, the Philippines - a joint project with Magsaysay Maritime Corporation (MMC) - has acquired official approval from the Philippine government's Commission on Higher Education (CHED), clearing the way for the academy to open in August.

Two training providers recognised by MNTB's new centre recognition scheme.

By Holly Birkett. *UK Chamber of Shipping.* 9 May 2018. Available from:

[https://www.ukchamberofshipping.com/latest/two-training-providers-recognised-mntbs-new-centre-](https://www.ukchamberofshipping.com/latest/two-training-providers-recognised-mntbs-new-centre-recognition-scheme/)

[recognition-scheme/](https://www.ukchamberofshipping.com/latest/two-training-providers-recognised-mntbs-new-centre-recognition-scheme/) Clyde Training Solutions (Glasgow) and Maritime Skills Academy (Dover) are the first two seafarer training centres to be recognised by the Merchant Navy Training Board's (MNTB) new centre recognition scheme.

Italian Maritime Academy Technologies, the best side of training. **By Angelo Marletta.**

MediTelegraph (Italy). 12 May 2018. Available from:

[http://www.themeditelegraph.com/en/shipping/shipowners/2018/05/12/italian-maritime-academy-](http://www.themeditelegraph.com/en/shipping/shipowners/2018/05/12/italian-maritime-academy-technologies-the-best-side-training-reportage-yKTH9oCe4kfrdTutlWSISJ/index.html)

[technologies-the-best-side-training-reportage-yKTH9oCe4kfrdTutlWSISJ/index.html](http://www.themeditelegraph.com/en/shipping/shipowners/2018/05/12/italian-maritime-academy-technologies-the-best-side-training-reportage-yKTH9oCe4kfrdTutlWSISJ/index.html) Since 2013, after an intense and radical restructuring phase, it has had its headquarters in the former Pinetamare hotel complex (transformed into a 165-room nautical school) in Castel Volturno.

Malta Maritime Pilots to invest €3 million in new training facility. *Malta Independent.* 15 May 2018. Available from: <http://www.independent.com.mt/articles/2018-05-15/local-news/Malta-Maritime-Pilots-to-invest-3-million-in-new-training-facility-6736189885> The Malta Maritime Pilots will be investing €3 million in a new maritime training facility in Hal Far.

CMU receives PM Medal of Appreciation. By Chris Patterson. *Jamaica Information Service.* 14 May 2018. Available from: <http://jis.gov.jm/cmu-receives-pm-medal-of-appreciation/> Regarded as the premier institution for tertiary maritime and logistics education in the region, the Caribbean Maritime University (CMU) is focused on changing the higher-education landscape, while certifying students who are ready for the 21st century workforce.

Amaechi to work with marine engineers for maritime development. By Shulammit 'Foyeku. *Ships & Ports.* 23 May 2018. Available from: <http://shipsandports.com.ng/amaechi-work-marine-engineers-maritime-development/> Minister of Transportation, Rotimi Amaechi, has pledged that the ministry will work closely with the Association of Marine Engineers and Surveyors (AMES) towards improving the human capacity element of the nation's maritime industry.

MarPoll: 'We're no longer training seafarers; we're training astronauts'. *Splash 247.com.* 24 May 2018. Available from: <https://splash247.com/marpoll-no-longer-training-seafarers-training-astronauts/> Today Splash reveals the results of our last survey, while detailing the questions we are posing for the next online poll.

USMMA scandal: Have lessons been learnt from academy's toughest test? By Eric Martin. *TradeWinds.* 23 May 2018. Available from: <http://www.tradewindsnews.com/TWplus/1485789/usmma-scandal-have-lessons-been-learnt-from-academys-toughest-test> It has been nearly two years since the premier maritime training academy in the US found itself at the centre of a controversy over reports of sexual assault and harassment.

Warsash cadets attend International Maritime Organization's IMO70 Forum. *Solent University* 24 May 2018. Available from: <https://www.solent.ac.uk/news/school-of-maritime-science-and-engineering/2018/warsash-cadets-attend-imo-forum> On 15 May, four Warsash Maritime Academy cadets, Claire Allan (V. Ships), Frank Essen (RFA), Richard Smith (RFA) and Calum Wright (Maritime London), visited the International Maritime Organization (IMO) headquarters in London for the IMO70 forum, with their law lecturer Branimir Pantaleev.

Maritime Authority of Jamaica hosts national workshop. *The Gleaner (Jamaica).* 29 May 2018. Available from: <http://jamaica-gleaner.com/article/shipping/20180529/maritime-authority-jamaica-hosts-national-workshop> The Maritime Authority of Jamaica, as the Lead Agency under the GloMEEP Project, hosted a national workshop on the Prevention and Control of Shipping and Port Air Emissions on May 1-3, 2018.

MARITIME SAFETY

Video captures pilot boarding moving cargo ship. *Port Technology International.*

10 May 2018. Available from:

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

The footage, shot by a drone on April 2, 2018 near the coast of Hailuoto in Finland, captures the moment a pilot decides to make the most of the icy conditions by using a small portable bridge to board the vessel.

Marine Safety Alert - Implementing an internal reporting system may reduce risks.

US Coast Guard Maritime Commons. 14 May 2018. Available from:

<http://mariners.coastguard.dodlive.mil/2018/05/14/5-14-2018-marine-safety-alert-implementing-an-internal-reporting-system-may-reduce-risks/>

The Office of Investigations and Casualty Analysis issued Marine Safety Alert 05-18, "Seeking What You Don't Know May Reduce your Risks: Consider implementing an internal reporting system," to remind owners and operators of all commercial vessels of the importance of developing and maintaining organizational-wide internal reporting systems.

Week-long training to promote safety of passenger ferries, fishing vessels. *Seychelles Nation.*

15 May 2018. Available from: <http://www.nation.sc/article.html?id=258867> Stakeholders working in different areas of maritime security to uphold the safety of domestic passenger ferries and fishing vessels are following a week-long training.

Tensions heat up over Panama Canal safety dispute. *World Maritime News.* 16 May 2018.

Available from: <https://worldmaritimeneews.com/archives/252867> The conflict started on April 12 when tug captains refused to transit ships through the expanded canal, thus impacting the traffic through the Neopanamax locks, ACP said.

The Cape Town Agreement: International standards for fishing vessels can boost safety and help identify illegal fishing. *Pew Charitable Trusts.* 18 May 2018. Available from:

<http://www.pewtrusts.org/en/research-and-analysis/collections/2018/05/the-cape-town-agreement>

Illegal, unreported, and unregulated (IUU) fishing jeopardizes the health and sustainability of the world's fisheries, undermines the livelihoods of law-abiding fishers, and is widely associated with crimes such as piracy, human trafficking, and arms and narcotics smuggling.

Coast Guard enforces Lower Puna Safety Zone in vicinity of Kilauea lava flow into Pacific Ocean off Hawaii's Big Island. *United States Coast Guard.* 20 May 2018. Available from:

<https://content.govdelivery.com/accounts/USDHSCG/bulletins/1f17178> The Coast Guard is enforcing a Lava Entry Safety Zone for the navigable waters surrounding the Kilauea Volcano active lava flow entries into the Pacific Ocean on the southeast side of the Big Island, Hawai'i in the vicinity of the Mackenzie State Park Lower Puna region.

Russia restricts import of dangerous goods for the next two months. *By Inderpreet Walia.*

Lloyd's List. 21 May 2018. Available from:

<https://lloydslist.maritimeintelligence.informa.com/LL1122674/Russia-restricts-import-of-dangerous-goods-for-the-next-two-months>

Russia has decided to impose security restrictions in certain ports on the import of dangerous goods in the period leading up to and during the FIFA 2018 World Cup, according Gard P&I club.

Setting international standards for man overboard systems. *By Elliot Gardner.*

Ship-Technology.Com. 29 May 2018. Available from: [https://www.ship-](https://www.ship-technology.com/features/setting-international-standards-man-overboard-systems/)

[technology.com/features/setting-international-standards-man-overboard-systems/](https://www.ship-technology.com/features/setting-international-standards-man-overboard-systems/) An average of 21 man overboard incidents occur on cruise ships every year.

MARITIME SECURITY

Ministerial Conference agrees on Regional Maritime Security Mechanisms. *Government of Mauritius*. 30 April 2018. Available from: <http://www.govmu.org/English/News/Pages/Ministerial-Conference-agrees-on-Regional-Maritime-Security-Mechanisms.aspx> In the wake of the Ministerial meeting of the Indian Ocean Commission on maritime security issues held on 28th -29th April 2018 at the InterContinental Resort, Balaclava, Ministers in charge of security in the Indian Ocean region and representatives of regional and international organisations agreed on Regional Maritime Security Mechanisms.

Maersk-owned Seago Line weighed down by cyber attack. *By Niklas Krigslund. ShippingWatch*. 2 May 2018. Available from: <https://shippingwatch.com/secure/carriers/Container/article10567596.ece> Feeder-box carrier Seago Line, owned by Maersk Line, was just like its owner hurt on revenue by last summer's cyber attack.

Developing maritime domain awareness for the 'Blue Pacific'. *By Christian Bueger and Anthony Bergin. Vanuatu Independent*. 8 May 2018. Available from: <https://vanuatuindependent.com/2018/05/08/developing-maritime-domain-awareness-blue-pacific/> Pacific island states face a pressing need to understand more about what's happening in the waters that surround them and to work more closely to deal with threats and crises.

Greenville Port meets ISPS compliance. *By Ishmael F. Menkor. Daily Observer (Liberia)*. 8 May 2018. Available from: <https://www.liberianobserver.com/news/greenville-port-meets-isps-compliance/> The seaport of Greenville, Sinoe County, has met an international certified standard known as "International Standard for Port Security, Compliance Level 1," as it birthed the biggest ship since its establishment.

Security breaches rock Nigerian ports; stakeholders accuse NPA of indifference. *By Shulammit 'Foyeku. Ships & Ports*. 8 May 2018. Available from: <http://shipsandports.com.ng/security-breaches-rock-nigerian-ports-stakeholders-accuse-npa-indifference/> Maritime industry stakeholders and port security experts have accused the management of Nigerian Ports Authority (NPA) of poor handling of security issues at the ports as ships discharging cargoes at berth now come regularly under attacks by armed robbers.

Ghana needs a unified stand to tackle maritime threats'. *News Ghana*. 10 May 2018. Available from: <https://www.newsghana.com.gh/ghana-needs-a-unified-stand-to-tackle-maritime-threats/> Real Admiral Faidoo said the approach required new training regime for law enforcement personnel, equipping them with new and modern equipment, providing adequate logistics support and resourcing frontline personnel.

Focussed operation three arrows hits the mark in the Gulf of Aden. *Combined Maritime Forces*. 13 May 2018. Available from: <https://combinedmaritimeforces.com/2018/05/13/focussed-operation-three-arrows-hits-the-mark-in-the-gulf-of-aden/> As part of its enduring mission to ensure maritime security in the Gulf of Aden, the Combined Maritime Forces have conducted a large scale Focused Operation in conjunction with the EU Naval Force (EU NAVFOR), deterring piracy and demonstrating to commercial shipping that CMF and EU NAVFOR warships are there to protect them.

EUNAVFOR MED Operation Sophia: operation to contribute to better information sharing on crime in the Mediterranean. *Council of the European Union*. 14 May 2018. Available from: <https://bit.ly/2Gf58Jy> The Council today adopted a decision allowing for the creation of a crime information cell within EUNAVFOR MED Operation Sophia.

Most pirate attacks don't have Hollywood endings. *By Mike Salthouse. Maritime Executive*. 14 May 2018. Available from: <https://www.maritime-executive.com/editorials/most-pirate-attacks-don-t-have-hollywood-endings> I watched Captain Phillips again the other night with my 14-year-old daughter.

Maritime security ship reaches city. *The Hindu (India)*. 14 May 2018. Available from: <http://www.thehindu.com/news/cities/Mangalore/maritime-security-ship-reaches-city/article23877771.ece> The State's maritime security received a shot in the arm on Sunday with the arrival of the Indian Coast Guard's new state-of-the-art offshore patrol vessel, *Vikram*, commissioned in Chennai on April 11, at its base port, New Mangalore.

Japan focuses on maritime security in new ocean policy. *Japan Times*. 15 May 2018. Available from: <https://www.japantimes.co.jp/news/2018/05/15/national/politics-diplomacy/japan-focuses-maritime-security-new-ocean-policy/> Japan approved Tuesday a new ocean policy that highlights maritime security, amid perceived growing threats from North Korea and China, in a reversal from the previous version which focused largely on sea resource development.

Eastern Mediterranean bulker survives second attack off Port Harcourt. By Adam Corbett and Harry Papachristou. *TradeWinds*. 15 May 2018. Available from: <http://www.tradewindsnews.com/casualties/1491691/eastern-mediterranean-bulker-survives-second-attack-off-port-harcourt> The Eastern Mediterranean controlled supramax bulk carrier *Eleni M* has been targeted by pirates for the second time in just over a year.

Ince: Explosion aboard bulker was a missile strike. *Maritime Executive*. 16 May 2018. Available from: <https://www.maritime-executive.com/article/ince-explosion-aboard-bulker-was-a-missile-strike> Turkish conglomerate Ince Shipping Group asserts that the explosion aboard the bulker *Ince Inebolu* off the port of Saleef, Yemen last week was caused by a missile attack.

Rough waters ahead when it comes to cyber risks. *Ship-Technology.Com*. 17 May 2018. Available from: <https://www.ship-technology.com/features/rough-waters-ahead-when-it-comes-to-cyber-risks/> Two incidents last year made it quite clear that the shipping industry does not have special dispensation from the risks of cyber incidents.

Navy's Information Fusion Centre helps keep region's waters safe. By Noel Low. *Straits Times*. 17 May 2018. Available from: <https://www.straitstimes.com/singapore/navy-intel-centre-helps-keep-regions-waters-safe> Indonesia's seizure of an alleged "slave ship" grabbed the headlines in April, but the successful operation relied on a tip-off from a maritime intel-sharing centre based in Singapore.

EU Naval Force's flagship docks in Mombasa. *European Union*. 17 May 2018. Available from: https://eeas.europa.eu/delegations/kenya/44777/eu-naval-force%E2%80%99s-flagship-docks-mombasa_en Senior Kenyan and European officials are today meeting in Mombasa where the flagship of the European Union's Atalanta operation, the *ITS Carlos Margottini*, is making a port visit.

Maritime sector: Mauritius to sign Jeddah Amendment. *Government of Mauritius*. 18 May 2018. Available from: <http://www.govmu.org/English/News/Pages/Maritime-sector-Mauritius-to-sign-Jeddah-Amendment.aspx> Government has agreed to Mauritius signing the Jeddah Amendment to the Djibouti Code of Conduct concerning the "Repression of Piracy and Armed Robbery against Ships, and Illicit Maritime Activity in the Western Indian Ocean and the Gulf of Aden".

Dakuku Peterside: Maritime security critical to Nigerian economy. By Jackie Gogo. *Today (Nigeria)*. 20 May 2018. Available from: <https://www.today.ng/business/transport/dakuku-peterside-maritime-security-critical-nigerian-economy-115910> Dr. Dakuku Adol Peterside, Director General of the Nigerian Maritime Administration and Safety Agency (NIMASA), has described security in the Nigerian Maritime domain as work in progress that requires the commitment of all stakeholders to ensure optimum safety of all investments in the sector.

Ministry of Foreign Affairs of Japan and ReCAAP Information Sharing Centre jointly organise capacity building executive programme 2018 in Tokyo. *ReCAAP*. 21 May 2018. Available from: <https://bit.ly/2lBmwdw> The Ministry of Foreign Affairs of Japan and the ReCAAP Information Sharing Centre (ISC), today jointly launched the Capacity Building Executive Programme 2018 in Tokyo.

Shipping lines at crossroads over private armed guards. *New Telegraph (Nigeria)*. 23 May 2018. Available from: <https://newtelegraphonline.com/2018/05/shipping-lines-at-crossroads-over-private-armed-guards/> As the world's navies could not control vast area in the high seas to secure all ships sailing to various ports, the International Maritime Organisation (IMO)'s Maritime Safety Committee (MSC) in 2011 approved an interim guidance to shipowners, ship operators and shipmasters to use privately contracted armed security personnel on board ships transiting the high risk piracy areas in the Gulf of Guinea and other zones in the Gulf of Aden.

From Djibouti to Jeddah, the Western Indian Ocean needs security. By Christian Bueger and Timothy Walker. *Institute for Security Studies (ISS)*. 23 May 2018. Available from: <https://issafrica.org/iss-today/from-djibouti-to-jeddah-the-western-indian-ocean-needs-security> Crimes like piracy, illegal fishing and the smuggling and trafficking of firearms, narcotics and people continue to threaten security in the Western Indian Ocean.

Ship carrying wheat to Yemen hit by missile - EU navy force. By Jonathan Saul. *Reuters*. 23 May 2018. Available from: <https://uk.reuters.com/article/uk-yemen-security-shipping/ship-carrying-wheat-to-yemen-hit-by-missile-eu-navy-force-idUKKCN1IO2SK> A Turkish vessel carrying wheat to Yemen this month was hit by a rocket or missile and more attacks on merchant ships are likely due to a spillover of the conflict, a senior European naval official said on Wednesday.

Regulatory Update: Cyber security risks. *Safety4Sea*. 28 May 2018. Available from: <https://safety4sea.com/cm-regulatory-update-cyber-security-risks/> 🚫 Cyber attacks may lead to economic loss and/or costs of restoring the lost data.

MIGRANTS

As Greek islands heave under influx, refugees turn to old river route. By Lefteris Papadimas. *Reuters*. 3 May 2018. Available from: <https://www.reuters.com/article/us-europe-migrants-greece-evros-widerima/as-greek-islands-heave-under-influx-refugees-turn-to-old-river-route-idUSKBN1I41R7> As dawn breaks over the waterlogged plain along the border Greece shares with Turkey, an all-too familiar outline of refugees emerges through the morning haze, picking their way through a road well traveled by thousands before them.

Mediterranean migrant arrivals reach 22,439 in 2018; Deaths reach 615. *International Organization for Migration (IOM)*. 4 May 2018. Available from: <http://www.iom.int/news/mediterranean-migrant-arrivals-reach-22439-2018-deaths-reach-615> IOM reports that 22,439 migrants and refugees entered Europe by sea through the first 122 days of 2018, with 42 per cent arriving in Italy and the remainder divided between Greece (38%) and Spain (20%).

Mediterranean migrant arrivals reach 23,715 in 2018; Deaths reach 619. *International Organization for Migration (IOM)*. 8 May 2018. Available from: <https://www.iom.int/news/mediterranean-migrant-arrivals-reach-23715-2018-deaths-reach-619> IOM reports that 23,715 migrants and refugees entered Europe by sea through the first 125 days of 2018, with about 39 per cent arriving both in Italy and Greece, with the remainder arriving in Spain (20%).

Boatloads of Rohingya refugees 'risking death at sea'. By Siobhan Robbins. *Sky News*. 14 May 2018. Available from: <https://news.sky.com/story/boatloads-of-rohingya-refugees-risking-death-at-sea-11372672> 🚫 In the last month, around 180 refugees have tried to cross the Andaman Sea to escape persecution in Myanmar.

Mediterranean migrant arrivals reach 25,338 in 2018; Deaths reach 628. *International Organization for Migration (IOM)*. 15 May 2018. Available from: <https://www.iom.int/news/mediterranean-migrant-arrivals-reach-25338-2018-deaths-reach-628> IOM reports that 25,338 migrants and refugees entered Europe by sea through the first 19 weeks of 2018, 41 per cent arriving in Italy and 38 per cent to Greece, with the remainder (21%) arriving in Spain.

Mediterranean migrant arrivals reach 26,026 in 2018; Deaths reach 635.

International Organization for Migration (IOM). 18 May 2018. Available from:

<http://www.iom.int/news/mediterranean-migrant-arrivals-reach-26026-2018-deaths-reach-635>

IOM reports that 26,026 migrants and refugees entered Europe by sea through the first 136 days of 2018, with about 41 per cent arriving in Italy and 38 per cent to Greece, with the remainder (21%) arriving in Spain.

Two pilots spend savings on plane to rescue migrants in Mediterranean Sea. By Alice Tidey.

NBC News (US). 20 May 2018. Available from: <https://www.nbcnews.com/storyline/europes-border-crisis/two-pilots-spend-savings-plane-rescue-migrants-mediterranean-sea-n873926>

As the sun shone over the Mediterranean Sea, a small plane took off from the island nation of Malta.

Mediterranean migrant arrivals reach 27,482 in 2018; Deaths reach 636.

International Organization for Migration (IOM). 22 May 2018. Available from:

<http://www.iom.int/news/mediterranean-migrant-arrivals-reach-27482-2018-deaths-reach-636>

IOM reports that 27,482 migrants and refugees entered Europe by sea through the first 20 weeks of 2018, with 38 per cent arriving in both Italy and Greece, with the remainder (23%) arriving in Spain.

Spain rescues over 500 migrants in Mediterranean. By Sam Edwards. Reuters.

Reuters. 27 May 2018.

Available from: <https://www.reuters.com/article/us-europe-migrants-spain/spain-rescues-over-500-migrants-in-mediterranean-idUSKCN1IS0J9> Spanish authorities rescued over 500 migrants this weekend from more than a dozen boats making the perilous Mediterranean crossing to Europe.

Mediterranean migrant arrivals reach 30,300 in 2018; Deaths reach 655.

International Organization for Migration (IOM). 29 May 2018. Available from:

<https://www.iom.int/news/mediterranean-migrant-arrivals-reach-30300-2018-deaths-reach-655>

IOM reports that 30,300 migrants and refugees entered Europe by sea through the first 147 days of 2018, with about 40 per cent arriving in Italy, 35 per cent in Greece, with the remainder (25%) arriving in Spain.

NAVIGATION & COMMUNICATIONS

OPINION: Avoid using VHF and follow Colregs to prevent accidents. By Martyn Wingrove.

Marine Electronics & Communications. 2 May 2018. Available from:

http://www.marinemec.com/news/view/opinion-avoid-using-vhf-and-follow-colregs-to-prevent-accidents_51651.htm

VHF communications should be avoided in a ship overtaking procedure to prevent masters becoming confused and causing accidents.

Giant ship transits Istanbul after laying Russia-Turkey gas line. Phys.Org.

Phys.Org. 2 May 2018.

Available from: <https://phys.org/news/2018-05-giant-ship-transits-istanbul-russia-turkey.html> One of the biggest maritime vessels in the world on Wednesday transited through the Bosphorus in Istanbul after completing the first line of a new gas pipeline between Russia and Turkey beneath the Black Sea.

Whales in ice-free Arctic face emerging threat from vessels. University of Victoria (Canada).

3 May 2018. Available from: <https://www.uvic.ca/news/media/2018+marine-mammal-vessel-threat-lauren-mcwhinnie+media-release>

In the Arctic, marine mammals such as belugas and bowhead whales rely on a quiet environment to communicate and forage.

Nippon Foundation seeks shipping industry partners for ocean mapping exercise.

Lloyd's List. 3 May 2018. Available from:

<https://lloydslist.maritimeintelligence.informa.com/LL1122468/Nippon-Foundation-seeks-shipping-industry-partners-for-ocean-mapping-exercise>

An ambitious mission to map the world's oceans is seeking commercial vessel operators to take part in a global data collection project.

MOL, KHI to jointly develop technologies that enhance vessel reliability and energy-saving operation by vessel steering gear with new sensing capability and big data analysis...

Mitsui O.S.K.Lines (MOL). 8 May 2018. Available from: <http://www.mol.co.jp/en/pr/2018/18028.html> (MOL; President & CEO: Junichiro Ikeda) today announced that it has reached an agreement with Kawasaki Heavy Industries, Ltd. (KHI; President: Yoshinori Kanehana) on the joint development of technologies that enhance vessel reliability and energy-saving operation by vessel steering gear with new sensing capability and big data analysis...

IMO needs to approve global GMDSS safety communications. By Martyn Wingrove.

Marine Electronics & Communications. 11 May 2018. Available from: http://www.marinemec.com/news/view,imo-needs-to-approval-global-gmdss-safety-communications_51759.htm As IMO's Maritime Safety Committee (MSC) meets next week to discuss emergency communications, there are calls for it to approve the modernisation of the Global Maritime Distress and Safety System (GMDSS).

Iridium to complete next-generation satellite deployment by this fall. By Jeff Foust.

Space News. 14 May 2018. Available from: <http://spacenews.com/iridium-to-complete-next-generation-satellite-deployment-by-this-fall/> Iridium expects to have its next-generation satellite constellation deployed and in service by this fall as it looks to win approvals for new maritime and aviation applications.

Arctic shipping best practice information forum launches public web portal.

Protection of the Arctic Marine Environment (PAME). 14 May 2018. Available from: <https://pame.is/index.php/shortcode/blog/item/65-arctic-shipping-best-practice-information-forum-launches-public-web-portal> Today, the Arctic Council's Arctic Shipping Best Practice Information Forum launched a public Web Portal to assist in the effective implementation of the International Maritime Organization's International Code for Ships Operating in Polar Waters (Polar Code). [The Arctic Shipping Best Practice Information Forum—WEB PORTAL](#)

A different approach for ECDIS is needed. By Carl Durow. Safety4Sea. 16 May 2018.

Available from: <https://safety4sea.com/a-different-approach-for-ecdis-is-needed/> Mr. Carl Durow, Loss Prevention Manager at the London P&I Club, says that ECDIS is a top loss prevention concern for the coming years, explaining that further action is needed for a successful integration of ECDIS into fleets.

Putin decrees an increase in Arctic traffic. By Charles Digges. Bellona Foundation.

16 May 2018. Available from: <http://bellona.org/news/arctic/russian-nuclear-icebreakers-fleet/2018-05-putin-decrees-an-increase-in-arctic-traffic> President Vladimir Putin has issued a demand that the amount of traffic flowing through the Arctic Northern Sea Route reach a towering 80 million tons a year by 2024, a figure that exceeds even the most ambitious projections of his government's ministries.

Mappers look to chart world's ocean floor by 2030. By Jonathan Saul. Reuters. 22 May 2018.

Available from: <https://uk.reuters.com/article/us-oceans-exploration/mappers-look-to-chart-worlds-ocean-floor-by-2030-idUKKCN1IN1VV> Using data collected from underwater drones, merchant ships, fishing boats and even explorers, a new scientific project aims to map the ocean floor by 2030 and solve one of the world's enduring mysteries.

Government of Canada releases the final report of the Pilotage Act Review undertaken as part of the Oceans Protection Plan. Government of Canada. 22 May 2018. Available from:

<https://bit.ly/2kMIsJE> Canada has the world's longest coastline, and our oceans are among our most important resources. [Pilotage Act Review Final Report - April 2018](#)

Maritime embraces Galileo technology. *European Commission*. 23 May 2018. Available from: https://cordis.europa.eu/result/rcn/227895_en.html Combating irregular migration, human smuggling, piracy and other types of transnational crimes as well as increasing maritime traffic safety has become a high priority on Europe's maritime agenda.

Amid ice melt, new shipping lanes are drawn up off Alaska. **By Margaret Kriz Hobson.** *Scientific American*. 29 May 2018. Available from: <https://www.scientificamerican.com/article/amid-ice-melt-new-shipping-lanes-are-drawn-up-off-alaska/> Early this month, the Colorado-based National Snow and Ice Data Center reported that winter sea ice levels in the Bering Sea had dropped to a record low level for this time of year.

PIRACY

Pirates raid Ghanaian vessel in Keta; take 3 Korean nationals hostage. *GhanaWeb*.
A new approach is needed to combat maritime threats says One Earth Future in its latest report. *One Earth Future*. 23 May 2018. Available from: <http://oneearthfuture.org/press-releases/oef-releases-2017-state-of-maritime-piracy-report> The number of piracy incidents doubled off the coast of East Africa in 2017 compared to 2016, according to the annual State of Piracy report released today by One Earth Future's Oceans Beyond Piracy program.
[The State of Maritime Piracy 2017](#) [Executive Summary](#)

Piracy: Human rights and wrongs. *Maritime Executive*. 20 May 2018. Available from: <https://maritime-executive.com/article/piracy-human-rights-and-wrongs> Dr. Sofia Galani, Lecturer in Law at the University of Bristol and a Non-Executive Board of Advisors member of Human Rights at Sea gave a short interview on piracy to the Navigate Response, a global crisis communications network specializing in the international shipping, port and offshore industries.

PORT STATE CONTROL

The Paris MoU agrees to focus on prevention of air pollution from ships. *Paris MoU on Port State Control*. 14 May 2018. Available from: <https://www.parismou.org/paris-mou-agrees-focus-prevention-air-pollution-ships> The Paris Memorandum of Understanding on Port State Control (Paris MoU) held its 51st Committee meeting in Cascais, Portugal, from the 7-11 May 2018.

Paris MoU bans two Lebanese cargoships. **By Gary Dixon.** *TradeWinds*. 2 May 2018. Available from: <http://www.tradewindsnews.com/drycargo/1483048/paris-mou-bans-two-lebanese-cargoships> The Paris MoU port state organisation has barred two Lebanese vessels that clocked up 33 deficiencies between them.

PORTS & HARBOURS

How an unrecognised state's port deal could shift dynamics across the Horn.

By Bashir Ali. *African Arguments*. 1 May 2018. Available from:

<http://africanarguments.org/2018/05/01/how-an-unrecognised-states-port-deal-could-shift-dynamics-across-the-horn-berbera-port-dpworld-somaliland/> Despite officially being banned from operating in Somalia this March, DP World is set to begin a project later this year that could have far-reaching implications for the region, both economically and politically.

Cooperation and collaboration - the talk of the UAE maritime sector. By Elizabeth Bains.

Seatrade Maritime News. 2 May 2018. Available from: [http://www.seatrade-](http://www.seatrade-maritime.com/news/middle-east-africa/cooperation-and-collaboration-the-talk-of-the-uae-maritime-sector.html)

[maritime.com/news/middle-east-africa/cooperation-and-collaboration-the-talk-of-the-uae-maritime-sector.html](http://www.seatrade-maritime.com/news/middle-east-africa/cooperation-and-collaboration-the-talk-of-the-uae-maritime-sector.html) The authority hopes to reduce the number of visits to its customer service centres by 80% by the end of the year through using electronic platforms to process transactions and queries more speedily and efficiently.

'A new era for Limassol port'. By Andria Kades. *Cyprus Mail*. 3 May 2018. Available from:


<http://cyprus-mail.com/2018/05/03/a-new-era-for-limassol-port/> Limassol port serves as a model for what Cyprus can achieve as it is one of the largest projects of the island, President Nicos Anastasiades said on Thursday during the inauguration ceremony of the new passenger terminal.

Stena Oil. *Port of Frederikshavn*. 4 May 2018. Available from: <http://pof.dk/news-%281%29/stena-oil.aspx> Stena Oil has signed an agreement to create a new marine fuel terminal in the Port of Frederikshavn.

Abu Dhabi Ports in Dh4b deal with MSC Mediterranean Shipping Co. *Gulf News (UAE)*.

7 May 2018. Available from: <https://gulfnews.com/business/sectors/shipping/abu-dhabi-ports-in-dh4b-deal-with-msc-mediterranean-shipping-co-1.2217971> Abu Dhabi Ports has signed a 30-year concession agreement with MSC Mediterranean Shipping Company, a Swiss-based global transportation and logistics firm to establish a new container terminal at Khalifa Port with a total investment of Dh4 billion.

Position of the European Sea Ports Organisation on the Commission's proposal on Port Reception Facilities. *European Sea Ports Organisation (ESPO)*. 9 May 2018. Available from:

<https://www.espo.be/views/position-of-the-european-sea-ports-organisation-on> ESPO welcomes in principle the new proposal on the revision of the Port Reception Facilities (PRF) Directive and its objective to build upon the substantial progress achieved under the existing Directive. [ESPO Position Paper](#) 

Energy transition: Port of Antwerp and Fluxys team up for CO2 capture. *Port of Antwerp*.

9 May 2018. Available from: <http://www.portofantwerp.com/en/news/energy-transition-port-antwerp-and-fluxys-team-co2-capture> The climate target of getting Belgian CO2 emissions 35% lower by 2030 is a formidable challenge.

Italian port workers launch nation-wide strike. *World Maritime News*. 11 May 2018.

Available from: <https://worldmaritimeneews.com/archives/252581> The strike is led by unions FILT CGIL, Fit Cisl and Uiltrasporti Nazionale, affiliates of the International Transport Workers' Federation (ITF) and Dockers' division of the European Transport Workers' Federation (ETF).

First Silk Road train arrives at Port of Antwerp. *Port of Antwerp*. 12 May 2018.

Available from: <http://www.portofantwerp.com/en/news/first-silk-road-train-arrives-port-antwerp> The train is part of the 'Belt & Road Initiative' (BRI), the ambitious development programme of Chinese President Xi Jinping.

For Port of Vancouver, underestimating Pacific sea-level rises could come at a high price.

By Matthew McClearn. *Globe and Mail (Canada)*. 14 May 2018. Available from:

<https://www.theglobeandmail.com/canada/article-for-port-of-vancouver-underestimating-pacific-sea-level-rises-could/> Roberts Bank defies that old adage about land - that they're not making any more of it.

Panama Canal records new milestone, welcomes the largest passenger ship to-date.

Panama Canal Authority. 14 May 2018. Available from: <https://www.pancanal.com/eng/pr/press-releases/2018/05/14/pr649.html>

The Panama Canal today welcomed the *Norwegian Bliss*, the largest passenger vessel to ever transit the waterway.

Indonesia to open another eight seaports for international trade. By Vincent Wee.

Seatrade Maritime News. 15 May 2018. Available from: [http://www.seatrade-](http://www.seatrade-maritime.com/news/asia/indonesia-to-open-another-eight-seaports-for-international-trade.html)

[maritime.com/news/asia/indonesia-to-open-another-eight-seaports-for-international-trade.html](http://www.seatrade-maritime.com/news/asia/indonesia-to-open-another-eight-seaports-for-international-trade.html)

Transportation Ministry organization and human relations affairs division head, Gus Rional, was quoted as saying that the opening of more seaports for international trade would cut transportation costs for industry and help Indonesia's products become more competitive in the international market.

NSW Ports introduces Australia's first environmental incentive for shipping lines.

NSW Ports (Australia). 16 May 2018. Available from:

<https://www.nswports.com.au/news/article/nsw-ports-introduces-australias-first-environmental-incentive-for-shipping-lines>

NSW Ports will introduce an environmental incentive to apply to vessel related charges levied by NSW Ports at Port Botany and Port Kembla.

ABP Humber ports in trial scheme to recycle plastic pollution. By Marcus Hand.

Seatrade Maritime News. 21 May 2018. Available from: [http://www.seatrade-](http://www.seatrade-maritime.com/news/europe/abp-humber-ports-in-trial-scheme-to-recycle-plastic-pollution.html)

[maritime.com/news/europe/abp-humber-ports-in-trial-scheme-to-recycle-plastic-pollution.html](http://www.seatrade-maritime.com/news/europe/abp-humber-ports-in-trial-scheme-to-recycle-plastic-pollution.html)

With serious global concerns over the levels of plastic pollution in the oceans the two UK ports have been using floating machines, called the Waterwitch and Envirocat to clean the waters of the Humber.

Freight cost to soar as vessels attack rises at ports. By Yusuf Babalola.

Leadership (Nigeria). 21 May 2018. Available from: [https://leadership.ng/2018/05/21/freight-cost-to-](https://leadership.ng/2018/05/21/freight-cost-to-soar-as-vessels-attack-rises-at-ports/)

[soar-as-vessels-attack-rises-at-ports/](https://leadership.ng/2018/05/21/freight-cost-to-soar-as-vessels-attack-rises-at-ports/) Incessant attacks on vessels discharging while berthing at

Nigerian terminals will attract additional \$200,000 in freight cost at the nation's seaport,

LEADERSHIP investigation has shown.

Hamburg loses further ground to north Europe rivals as it waits for deeper water.

By Alexander Whiteman. *The Loadstar*. 21 May 2018. Available from:

<https://theloadstar.co.uk/hamburg-loses-ground-north-europe-rivals-waits-deeper-water/>

The port of Hamburg's inability to maximise ship loads is causing it to fall further behind neighbour container terminals in Northern Europe.

New Port of Rotterdam app cuts waiting time by 20%, reduces CO2 emissions.

By Vincent Wee. *Seatrade Maritime News*. 23 May 2018. Available from: [http://www.seatrade-](http://www.seatrade-maritime.com/news/europe/new-port-of-rotterdam-app-cuts-waiting-time-by-20-reduces-co2-emissions.html)

[maritime.com/news/europe/new-port-of-rotterdam-app-cuts-waiting-time-by-20-reduces-co2-](http://www.seatrade-maritime.com/news/europe/new-port-of-rotterdam-app-cuts-waiting-time-by-20-reduces-co2-emissions.html)

[emissions.html](http://www.seatrade-maritime.com/news/europe/new-port-of-rotterdam-app-cuts-waiting-time-by-20-reduces-co2-emissions.html) The port said in a press release that the application enables more effective utilisation

of capacity at its terminals, as well as the precise planning and coordination of a range of vessel

services, including bunkering, servicing and maintenance and provisioning.

Panama Canal paves way for 'Carbon Neutral' future. By Alexis Rodriguez. Safety4Sea.

23 May 2018. Available from: [https://safety4sea.com/cm-panama-canal-paves-way-for-carbon-](https://safety4sea.com/cm-panama-canal-paves-way-for-carbon-neutral-future/)

[neutral-future/](https://safety4sea.com/cm-panama-canal-paves-way-for-carbon-neutral-future/) Mr. Alexis Rodriguez, Environmental Protection Specialist, Panama Canal, talks

about Panama Canal's new tool to calculate carbon emissions as well as other initiatives that the

Canal has adopted the last couple years with the aim to become a 'carbon neutral' entity and

incentivize further the maritime industry reduce its carbon footprint.

Port of Oakland online shipping platform goes live. *Port of Oakland*. 24 May 2018.

Available from: <https://www.portoakland.com/press-releases/port-oakland-online-shipping-platform-goes-live/> The Port said its new tech platform, called the Oakland Portal, would provide a single point of entry to seaport operations.

Kalmar and Yara to develop world's first fully-digitalized and zero emission cargo solution for Yara Birkeland. *Kalmar*. 24 May 2018. Available from:

https://www.kalmarglobal.com/pressroom/press_releases/2018/kalmar-and-yara-to-develop-worlds-first-fully-digitalized-and-zero-emission-cargo-solution-for-yara-birkeland--/ Kalmar, part of Cargotec, and Yara have entered into an agreement in which Kalmar will deliver fully autonomous equipment, software and services for a unique, fully digitalised container handling solution at Yara's Porsgrunn facility in Norway.

BPO sewage reception workshop in Helsinki. *Baltic Ports Organization (BPO)*. 28 May 2018.

Available from: <http://www.bpoports.com/bpo-sewage-reception-workshop-in-helsinki.html> The workshop opened with an overview to recent amendments to the MARPOL Annex IV, which designates the Baltic Sea as a Special Area for sewage, presented by Jorma Kämäräinen, representing the Finnish Transport Safety Agency (Trafi).

The Port of Riga follows global trends and is ready to accept large ships. *Freeport of Riga*.

28 May 2018. Available from: <http://www.rop.lv/en/news/6684-the-port-of-riga-follows-global-trends-and-is-ready-to-accept-large-ships.html> Increasingly large ships are used in the segment of cargo shipments by sea.

Port containerized throughput Ranking 2017. *Economic Commission for Latin American and the Caribbean (ECLAC)*. 28 May 2018. Available from:

<https://www.cepal.org/en/notes/port-containerized-throughput-ranking-2017> The Infrastructure Services Unit of ECLAC updates every year its ranking of container port throughput, which shows the cargo volume in containers in 120 ports of the region, based on data obtained directly from port authorities and terminal operators.

Cargo container throughput in region's ports rose 6.1% in 2017. *Economic Commission for Latin American and the Caribbean (ECLAC)*. 28 May 2018. Available from:

<https://www.cepal.org/en/pressreleases/cargo-container-throughput-regions-ports-rose-61-2017> The throughput of containerized cargo in the ports of Latin America and the Caribbean rose around 6.1% in 2017, according to data released today by ECLAC in its Maritime and Logistics Profile.

Port River dredging to go ahead despite environmental concerns. *ABC (Australia)*.

29 May 2018. Available from: <http://www.abc.net.au/news/2018-05-29/port-river-dredging-to-go-ahead-despite-environmental-concerns/9810570> The controversial Flinders Ports plan involves removing 1.5 million cubic metres of material from the Outer Harbor shipping channel before being disposed 30 kilometres offshore.

Vancouver-based program aimed at better understanding and managing the impact of shipping activities on at-risk whales wins Lloyd's List Environmental Award. *Port of Vancouver*.

29 May 2018. Available from: <https://bit.ly/2sCJ2gc> The Vancouver Fraser Port Authority-led Enhancing Cetacean Habitat and Observation (ECHO) Program received top honour in the environment category at this year's Lloyd's List Americas Awards gala.

European shipowners support the proposal for better waste handling Port Reception

Facilities. *European Community Shipowners' Associations (ECSA)*. 29 May 2018. Available from:

<http://www.ecsa.eu/news/european-shipowners-support-proposal-better-waste-handling-port-reception-facilities> The recently published proposal for a new Directive on Port Reception Facilities is welcomed by ECSA, as it addresses major issues with the current system in place.

[Position Paper](#) 

What the UK's biggest ports think could shape the port of tomorrow and boost trade.

Maritime UK. 30 May 2018. Available from: <https://www.maritimeuk.org/platform-2050/what-uks-biggest-ports-think-could-shape-port-tomorrow-and-boost-trade/> The results – summarised in the attached infographic – highlight a number of exciting developments in the digital and augmentation / automation areas to transform competitiveness and customer propositions.

[Port 2050: What could shape the port of the future?](#) 

REGULATIONS

MARPOL 2020: An opportunity for OPEC to reclaim market share. By Anna Nikitina.

McKinsey & Company. May 2018. Available from:

<https://www.mckinseyenergyinsights.com/insights/marpol-2020-an-opportunity-for-opec-to-reclaim-market-share/> New MARPOL (International Convention for the Prevention of Pollution from Ships) limits on sulfur content in marine fuels starting in 2020 could result in 1-1.8MMb/d of additional refinery runs to produce higher volumes of marine gasoil.

2020 Sulphur cap: Likely teething troubles. *World Maritime News*. 7 May 2018. Available from:

<https://worldmaritimeneeds.com/archives/252109/2020-sulphur-cap-likely-teething-troubles/> In less than two years, all ships trading outside of sulphur Emission Control Areas (ECAs) will be required to use fuel with a sulphur content of up to 0.5 pct, a considerable reduction from the currently permitted maximum of 3.5 pct.

"Time is fast running out" for Global Sulphur Cap says ICS Chairman.

International Chamber of Shipping (ICS). 8 May 2018. Available from: <https://bit.ly/2ruLa8i> "Time is fast running out" for implementation by IMO Member States of the 0.5% global sulphur in fuel cap by 1 January 2020, says Esben Poulsson, Chairman of the International Chamber of Shipping (ICS).

[The global sulphur cap is coming](#) 

Asian shipowners call for level playing field when sulphur cap kicks in. *Splash 247.com*.

16 May 2018. Available from: <https://splash247.com/asian-shipowners-call-level-playing-field-sulphur-cap-kicks/> The influential Asian Shipowners' Association (ASA) yesterday backed the IMO decision to implement a 0.50% sulphur cap on marine fuel with effect from January 1 2020.

How cutting carbon offers a competitive advantage to shipping companies.

Hellenic Shipping News. 16 May 2018. Available from: <https://www.hellenicshippingnews.com/how-cutting-carbon-offers-a-competitive-advantage-to-shipping-companies/> International shipping carries around 90 percent of world trade and produces about 2.3 percent of global greenhouse gas emissions.

'Sulphur cap chaos in 2020' warn world's shipowners. *International Chamber of Shipping (ICS)*.

21 May 2018. Available from: <http://www.ics-shipping.org/news/press-releases/2018/05/21/sulphur-cap-chaos-in-2020-warn-world-s-shipowners> The International Chamber of Shipping (ICS) fears 'chaos and confusion' unless the UN International Maritime Organization (IMO) urgently resolves some serious issues concerning the successful implementation of the 0.5 percent sulphur in marine fuel cap, which is scheduled to come into effect globally overnight on 1 January 2020.

How are cruise operators preparing for the IMO sulphur cap? By Joe Baker.

Ship-Technology.Com. 21 May 2018. Available from: <https://www.ship-technology.com/features/cruise-operators-preparing-imo-sulphur-cap/> Since the International Maritime Organisation (IMO) announced its global cap on sulphur emissions in 2016, the cruise industry has come under increasing scrutiny for its less-than-stellar environmental record.

IMO2020: Shipowners should stop worrying about long term viability of scrubbers, says Kassinger. *Ship & Bunker*. 21 May 2018. Available from:

<https://shipandbunker.com/news/world/645548-imo2020-shipowners-should-stop-worrying-about-long-term-viability-of-scrubbers-says-kassinger> An ongoing lack of enthusiasm for marine scrubbing technology is continuing to baffle experts, who say the industry should stop worrying about the technology's long term viability.

Lawyer warns of risk of ballast water falsification. By Niklas Krigslund. *ShippingWatch*.

22 May 2018. Available from: <https://shippingwatch.com/secure/carriers/article10587366.ece>
A lawyer with extensive experience in environmental matters warns there is a risk of falsification of ballast water records unless shipowners get a better handle on the rules in the US.

ABS evaluation demonstrates feasibility of LPG as fuel strategy for Dorian LPG.

ABS (American Bureau of Shipping). 23 May 2018. Available from: <https://ww2.eagle.org/en/news/press-room/abs-demonstrates-feasibility-lpg-fuel-strategy-dorian.html>
ABS completed an in-depth techno-economic evaluation commissioned by Dorian LPG, evaluating compliance options for impending global sulfur cap requirements.

ExxonMobil issues guidance for switching to low sulphur fuel. *Exxon Mobil Corporation*.

24 May 2018. Available from: <https://www.exxonmobil.com/en/marine/technicalresource/news-resources/low-sulphur-fuel-guidance> The fuels landscape is set to dramatically change when the International Maritime Organization's (IMO) 0.5% sulphur cap comes into force on 1 January 2020.

IMO2020 Analysis: Cheap fuel oil in 2020 will not guarantee cheap HSFO bunkers.

Ship & Bunker. 30 May 2018. Available from: <https://shipandbunker.com/news/world/808170-imo2020-analysis-cheap-fuel-oil-in-2020-will-not-guarantee-cheap-hsfo-bunkers> Conventional thinking suggests that the IMO2020 rule will cause the price of fuel oil to plummet, dragging down the price of HSFO bunkers with it.

SEAFARERS

Participation of Karmenu Vella, Member of the EC, in the Seafood Expo Global 2018: panel discussion. *European Commission*. 25 April 2018. Available from:

<https://ec.europa.eu/avservices/video/player.cfm?sitelang=en&ref=I154378> 🗣️ Panel debate: "The EU and the social dimension of fisheries".

Risks and Rights: New video aims to empower migrant workers in Thai fishing industry.

International Organization for Migration (IOM). 1 May 2018. Available from: <https://www.iom.int/news/risks-and-rights-new-video-aims-empower-migrant-workers-thai-fishing-industry> IOM X - a joint initiative between IOM and USAID - and the ILO Ship to Shore Rights Project - funded by the European Union - today premiered the video, Real Life of Fishers, which provides migrant workers in the Thai fishing sector with information on their rights and recourse. [The Real Life of Fishing Labour](#) 🗣️

ITF: MLC enters 'new chapter' for seafarers' rights. *Hellenic Shipping News*. 1 May 2018.

Available from: <https://www.hellenicshippingnews.com/itf-mlc-enters-new-chapter-for-seafarers-rights/> The ITF has welcomed the positive outcome of the third meeting of the Special Tripartite Committee of the ILO (International Labour Organization) in Geneva.

A conversation with Michelle Boyama, Master for cruise ship *Moresby Chief* in Papua New Guinea. *Pacific Community (SPC)*. 2 May 2018. Available from:

<http://www.spc.int/blog/a-conversation-with-michelle-boyama-master-for-cruise-ship-moresby-chief-in-papua-new-guinea/>
Meet 31-year-old Michelle Boyama, Master for cruise ship *Moresby Chief* in Papua New Guinea.

Liverpool focuses on cruise ship crew welfare. *Maritime Executive*. 3 May 2018. Available from: <https://maritime-executive.com/article/liverpool-focuses-on-cruise-ship-crew-welfare> Maritime charity Liverpool Seafarers Centre has struck a deal to provide support to thousands of cruise ship crew for the third successive year at a special base at Liverpool Cruise Terminal.

Panama to investigate ACP's treatment of tug captains. *World Maritime News*. 11 May 2018. Available from: <https://worldmaritimenews.com/archives/252575> The Autoridad Nacional de Transparencia Internacional (ANTAI), in charge with investigating ethics violations and corruption, will look into the tugboat captains protesting forced overtime, unilateral manning cuts and other safety concerns.

Crew a gray area for insurance claims. *Maritime Executive*. 16 May 2018. Available from: <https://www.maritime-executive.com/article/crew-a-gray-area-for-insurance-claims> Who are the crew?" and "what are wages?" are just some of the areas of marine claims "shaded in gray," says Willum Richards, chairman of the Association of Average Adjusters, those who apportion liability for loss after marine casualties.

UAE commits to protecting seafarers in signing of historic memorandum with the ITF. *International Transport Workers' Federation (ITF)*. 17 May 2018. Available from: <http://www.itfglobal.org/en/news-events/press-releases/2018/may/uae-commits-to-protecting-seafarers-in-signing-of-historic-memorandum-with-the-itf/> On signing the memorandum at the International Maritime Organisation (IMO) in London, ITF general secretary Stephen Cotton said: "We at the ITF are committed to ensuring seafarers are protected all around the world.

Mission provides vital service for abandoned 'ghost ships' of the UAE. By Nick Webster. *The National (United Arab Emirates)*. 20 May 2018. Available from: <https://bit.ly/2xSFyvn> Ghost ships with an unseen workforce of hundreds of seafarers are anchored off the UAE coast - lost at sea for years due to complex legal disputes or cash flow crises.

Somali fishermen struggle to compete with foreign vessels. *Voice of America*. 20 May 2018. Available from: <https://www.voanews.com/a/somali-fishermen-struggle-compete-foreign-vessels/4400935.html> Despite having some of the richest waters in Africa, Somalia's fishing industry faces many challenges.

Seafarers - front-line environmental guardians. *Fair Pay at Sea*. 20 May 2018. Available from: <http://fairpayatsea.org/uncategorized/seafarers-front-line-environmental-guardians/> The importance of oceans to human life is the stuff of primary school lessons.

Seafarers count in ethical purchasing decisions. By Mark Dickinson. *Maritime Executive*. 22 May 2018. Available from: <https://www.maritime-executive.com/editorials/seafarers-count-in-ethical-purchasing-decisions> Crewing the world's roughly 52,000 ships are approximately 1,647,000 seafarers many of whom work dizzyingly long hours, in dangerous conditions, and for far too many, in return for a pittance.

Abandoned, unpaid crew supported through ISWAN's Regional Programme. *International Seafarers' Welfare and Assistance Network (ISWAN)*. 22 May 2018. Available from: <http://seafarerswelfare.org/news-and-media/latest-news/abandoned-unpaid-crew-supported-through-iswans-regional-programme> When seven Bangladeshi seafarers were forcefully removed from their vessel and abandoned without pay, our Regional Representative in Nigeria was there to assist and support them.

Live Animal Export: Seafarer ethics, morals, bravery and honour. By Lynn Simpson.

Splash 247.com. 29 May 2018. Available from: <https://splash247.com/live-animal-export-seafarer-ethics-morals-bravery-honour/> Fazal Ullah is a man that any decent person on the planet should be proud of.

POEA suspends manning agency. By William Depasupil. Manila Times. 29 May 2018.

Available from: <http://www.manilatimes.net/poea-suspends-manning-agency/401805/> The Philippine Overseas Employment Administration (POEA) has suspended the operations of Trioceanic Manning and Shipping Inc.

SEARCH & RESCUE

MCA and RNLI test drones in real-life search and rescue scenarios. UK Maritime & Coastguard Agency. 2 May 2018.

Available from: <https://www.gov.uk/government/news/mca-and-rnli-test-drones-in-real-life-search-and-rescue-scenarios> 📰 A week-long event took place along a stretch of coastline at St Athan, Wales, with a selection of drones being used in four different search and rescue scenarios to explore how they could be used to help save lives in the future.

SHIP RECYLING

Pakistan: Shipbreaking workers win union rights. IndustriALL Global Union. 2 May 2018.

Available from: <http://www.industrialunion.org/pakistan-shipbreaking-downstream-industry-workers-win-union-rights> The re-rolling mills downstream from Gadani shipbreaking yard use the steel recovered from dismantled ships.

Markets - Recycling - Pakistan re-opens for tankers. Tanker Operator. 4 May 2018.

Available from: <http://www.tankeroperator.com/news/markets--recycling--pakistan-re-opens-for-tankers/9662.aspx> Last week, the long awaited news that the Pakistanis would allow tankers back on its beaches, finally came to fruition.

Shipping's financiers turning the tide on shipbreaking practices. By Jonathan Saul and Simon Jessop. Reuters. 15 May 2018.

Available from: <https://reut.rs/2M7ixb5> The shipping industry has long been criticised by campaigners for allowing vessels to be broken up on beaches, endangering workers and polluting the sea and sand. Ship scrapping under scrutiny.

[Ship scrapping under scrutiny - Infographic](#)

Feature: Shipping sector M&As, economic growth cut vessel arrests in Singapore.

By Sameer C.Mohindru and Esther Ng . S&P Global Platts. 21 May 2018. Available from:

<https://www.platts.com/latest-news/shipping/singapore/feature-shipping-sector-mampas-economic-growth-27983737> The number of shipping vessels arrested in Singapore hit a multi-year low in 2017 thanks to consolidation in the industry, greater credit scrutiny, and a pick-up in global economic growth, trade sources said Monday.

Increased transparency in ship recycling aims to raise standards. By Paul Stuart-Smith.

Fairplay. 24 May 2018. Available from: [https://fairplay.ihs.com/safety-](https://fairplay.ihs.com/safety-regulation/article/4301906/increased-transparency-in-ship-recycling-aims-to-raise-standards)

[regulation/article/4301906/increased-transparency-in-ship-recycling-aims-to-raise-standards](https://fairplay.ihs.com/safety-regulation/article/4301906/increased-transparency-in-ship-recycling-aims-to-raise-standards)

The Sustainable Shipping Initiative (SSI), a non-profit organisation of leading companies drawn from across the maritime industry, is building renewed momentum in pursuit of its goal of steering the industry towards a sustainable future – socially, economically, and environmentally – by 2040.

Managing HSE at Alang Ship Recycling Yards. By Kanu Priya Jain and Anand Hiremath.

Maritime Executive. 27 May 2018. Available from: <https://www.maritime-executive.com/editorials/managing-hse-at-alang-ship-recycling-yards#gs.6ZqNn94> Fundamentally, the ship recycling activity is environmentally conscious and supports sustainability as it reduces the need to mine virgin metal ore.

ISRA: China's ship recycling plans a 'major step back' for the industry. Safety4Sea.

29 May 2018. Available from: <https://safety4sea.com/isra-chinas-ship-recycling-plans-a-major-step-back-for-the-industry/> As explained Chinese ship recycling facilities have been significantly upgraded since the IMO started to discuss Ship Recycling regulations, which made these yards the first in the world to recycle ships at the highest standards available on Health, Safety and Environment.

SHIPBUILDING & SHIPREPAIR

Enhanced maritime eco-friendly rules make shipbuilders smile. By Nam Hyun-woo.

Korea Times. 6 May 2018. Available from: http://m.koreatimes.co.kr/phone/news/view.jsp?req_newsidx=248460 For the past several years, Korea's shipbuilding industry has been branded as a pariah in the country's economy, losing its previous status as the country's growth driver.

Specialized ships on the shipbuilding "Menu". By Nikos Roussanoglou.

Hellenic Shipping News. 9 May 2018. Available from: <https://www.hellenicshippingnews.com/specialized-ships-on-the-shipbuilding-menu/> Newbuilding ordering activity has shifted towards more specialized vessels according to shipbroker reports this week.

Huntington Ingalls Industries Partners with 3D Systems to accelerate adoption of 3-D printing in naval shipbuilding. Huntington Ingalls Industries.

10 May 2018. Available from: <http://newsroom.huntingtoningalls.com/releases/3d-printing-in-naval-shipbuilding> Huntington Ingalls Industries (NYSE:HII) announced today that its Newport News Shipbuilding division has partnered with 3D Systems to develop additive manufacturing technologies expected to accelerate the adoption of metal 3-D printing in the naval shipbuilding industry.

Swedish owners raise bar in environmental tanker design. By David Tinsley. The Motorship.

22 May 2018. Available from: <http://www.motorship.com/news101/ships-and-shipyards/swedish-owners-raise-bar-in-environmental-tanker-design> Representing the opening phase in a major investment in environmentally-advanced product tankers by a league of Swedish owners, the 18,200dwt *Fure Vinga* left her Chinese builder during early April to begin a positioning voyage to Europe.

Several ships being launched to feed Arctic cruise boom. By Thomas Nilsen.

Radio Canada International (RCI). 22 May 2018. Available from: <http://www.rcinet.ca/eye-on-the-arctic/2018/05/22/cruise-arctic-north-tourism-sea/> Different drawings of new ships in ice covered waters: The front page of the 127-page 2018 Expedition Market Report published by Cruise Industry News leaves no doubt, the Arctic is hotter than ever for the most well-paying customers.

Digital ships could trigger next order boom. By Ole Andersen. ShippingWatch.

22 May 2018. Available from: <https://shippingwatch.com/secure/carriers/article10620403.ece> The appetite for newbuilds in shipping seems to be returning after a 2017 that brought significantly more activity on the major shipyards.

New RoRo design features personal, battery powered cold ironing system. *Ship & Bunker.* 23 May 2018. Available from: <https://shipandbunker.com/news/world/694370-new-ro-ro-design-features-personal-battery-powered-cold-ironing-system> Naval architects Knud E. Hansen A/S have unveiled plans for a series of new RoRo's that will feature their own personal, battery powered cold ironing system.

MAN to equip world's first LNG-powered fishing trawler. *MAN Diesel & Turbo.* 24 May 2018. Available from: <https://uk.mandieselturbo.com/news/news-details/2018/05/24/man-to-equip-world-s-first-lng-powered-fishing-trawler> MAN Diesel & Turbo has been selected to provide a complete propulsion package and fuel-gas system for the world's first fishing vessel with LNG propulsion.

Sailing soon: all-electric battery-powered ferry to turn sea travel green. *European Commission.* 25 May 2018. Available from: https://cordis.europa.eu/news/rcn/129429_en.html Cruise liners, ferries, tankers and freighters are a significant source of CO2 emissions and other pollutants.

Maersk Honam to be repaired. **By Sam Chambers.** *Splash 247.com.* 30 May 2018. Available from: <https://splash247.com/maersk-honam-repaired/> Maersk has said it intends to repair, not scrap, the badly burned, 18-month old, 15,000 teu *Maersk Honam*.

SHIPPING

EU politicians: The industry must become CO2 free on its own. **By Louise Vogdrup-Schmidt.** *ShippingWatch.* 30 April 2018. Available from: <https://shippingwatch.com/secure/carriers/article10560243.ece> The European Commission will present its proposal this Wednesday for how the EU's budget could be designed from 2021 to 2028.

ExxonMobil to launch flow meter system for gasoil bunkering barges in May. **By Roslan Khasawneh.** *Reuters.* 30 April 2018. Available from: <https://reut.rs/2JfyRbY> ExxonMobil is launching a mass flow metering (MFM) system for marine gasoil (MGO) refueling barges in Singapore, with the first deliveries under the system set to start next month, the company said in a statement on Monday.

Interview -- Schulte Group sees distillates as likely chief marine fuel after 2020: BSM. **By Surabhi Sahu.** *S&P Global Platts.* 30 April 2018. Available from: <https://www.platts.com/latest-news/shipping/singapore/interview---schulte-group-sees-distillates-as-26951772> Distillates will likely be the predominant marine fuel of choice for Schulte Group as the International Maritime Organization's global sulfur cap rule nears, Angus Campbell, corporate director of energy projects at Bernhard Schulte Shipmanagement, told S&P Global Platts.

Why I left the maritime industry: Izabela Wawryszak. *Lloyd's List.* 30 April 2018. Available from: <https://lloydlist.maritimeintelligence.informa.com/LL1122190/Why-I-left-the-maritime-industry-Izabela-Wawryszak> Despite developing a passion for marine insurance and amassing considerable experience across the world, Ms Wawryszak has now left the shipping industry.

Promoting women in maritime. **By Serah Lagdom.** *The National (Papua New Guinea).* 1 May 2018. Available from: <https://www.thenational.com.pg/promoting-women-maritime/> Strengthening, empowering and giving equal opportunities for women in the maritime industry across the Pacific Region remains the top priority for the industry, with organisations and government agencies implementing gender-related programmes for the advancement of women in the industry.

Shipowners should report fraud: "It's seen as embarrassing". **By Niklas Krigslund.** *ShippingWatch.* 1 May 2018. Available from: <https://shippingwatch.com/secure/carriers/article10562492.ece> Shipping companies should come forward if they are hit by IT fraud, so that others can learn from their mistakes.

Norway tax will discourage uptake of LNG bunkers: SEA/LNG. *Ship & Bunker*. 1 May 2018.

Available from: <https://shipandbunker.com/news/emea/140769-norway-tax-will-discourage-uptake-of-lng-bunkers-sealng> A recently approved domestic CO2 tax on LNG fuel in Norway will deter the uptake of liquefied natural gas (LNG) bunkers in the country, according to SEA/LNG.

Decarbonising maritime transport: what makes Sweden the leader? By Eva Grey.

Ship-Technology.Com. 2 May 2018. Available from: <https://www.ship-technology.com/features/decarbonising-maritime-transport-makes-sweden-leader/> In March this year, the International Transport Forum (ITF) and the Organisation for Economic Co-operation and Development (OECD) published a study analysing the factors that brought Sweden at the forefront of decarbonisation of maritime transport.

Tide of digitalisation caught up in auto-pilot mode. By Kris Kosmala. *Splash 247.com*.

2 May 2018. Available from: <https://splash247.com/tide-digitalisation-caught-auto-pilot-mode/> It is telling, when following one of the recent conference sessions dedicated to container shipping, the moderator quipped how great it was that the whole session went through without even once mentioning word 'digitalisation' or its sibling 'digitisation'.

Jamaica among 10 pilot countries for reducing ship emissions project. By Chad Bryan.

Jamaica Information Service. 2 May 2018. Available from: <http://jis.gov.jm/jamaica-among-10-pilot-countries-for-reducing-ship-emissions-project/> Jamaica is among 10 countries that have been selected to participate in the Global Maritime Energy Efficiency Partnerships (GloMEEP) Project, which aims to support the implementation of energy-efficiency measures to reduce greenhouse gas emissions from shipping.

Ship financing just got less complicated. By Rasmus Nord Jorgensen. *BIMCO*. 2 May 2018.

Available from: <https://www.bimco.org/news/press-releases/20180501-shipterm-s> BIMCO has developed a new standard term sheet for syndicated ship financing (SHIPTERM S) - the first industry standard of its kind for syndicated loans.

Shipping's leaders call for more cooperation on green goals. By Jonathan Boonzaier.

TradeWinds. 3 May 2018. Available from: <http://www.tradewindsnews.com/legal/1482193/shippings-leaders-call-for-more-cooperation-on-green-goals> Heads of international and regional shipping bodies say that international agreement, cooperation and investment are required if shipping wants to meet its green goals.

IMO new emission target to trigger investment in shipping. *Guardian (Nigeria)*. 3 May 2018.

Available from: <https://guardian.ng/business-services/imo-new-emission-target-to-trigger-investment-in-shipping/> The United Nations International Maritime Organisation (IMO) strategy to reduce the total annual Green House Gas, GHG emissions from international shipping by at least 50 per cent by 2050 is expected to trigger private investors and operators in the maritime sector to immediately invest in new sustainable business models.

EU budget proposal could support shipowners' transition to decarbonisation.

European Community Shipowners' Associations (ECSA). 4 May 2018. Available from: <http://www.ecsa.eu/index.php/news/eu-budget-proposal-could-support-shipowners-transition-decarbonisation> The European Community Shipowners' Associations (ECSA) is positive towards the proposal for the EU budget 2021 - 2027 published earlier this week.

The ideas that could transform the shipping industry. By Anmar Frangoul. *CNBC (US)*.

4 May 2018. Available from: <https://www.cnbc.com/2018/05/04/the-ideas-that-could-transform-the-shipping-industry.html> For centuries, the world's seas and oceans have been used to trade goods and services.

Shipping's leaders call for more cooperation on green goals. By Jonathan Boonzaier.

TradeWinds. 3 May 2018. Available from:

<http://www.tradewindsnews.com/legal/1482193/shippings-leaders-call-for-more-cooperation-on-green-goals>

Heads of international and regional shipping bodies say that international agreement, cooperation and investment are required if shipping wants to meet its green goals.

IMO new emission target to trigger investment in shipping. *Guardian (Nigeria)*. 3 May 2018.

Available from: <https://guardian.ng/business-services/imo-new-emission-target-to-trigger-investment-in-shipping/>

The United Nations International Maritime Organisation (IMO) strategy to reduce the total annual Green House Gas, GHG emissions from international shipping by at least 50 per cent by 2050 is expected to trigger private investors and operators in the maritime sector to immediately invest in new sustainable business models.

Towards smart and green shipping. *VTT Technical Research Centre of Finland Ltd*. 5 May 2018.

Available from: <https://www.vttresearch.com/media/news/towards-smart-and-green-shipping>

"Thanks to the great support from Business Finland Arctic Seas program and the consortium partners, we are able to form this industry-wide ambitious and committed consortium to boost the digitalization and digital transformation of the Finnish marine sector and promote our top-level marine expertise globally," states Vice President of Digital Engineering, Johannes Hyrynen, from VTT Technical Research Centre of Finland Ltd.

Resilience Watch - Key drivers & barriers towards a resilient culture in shipping. *Safety4Sea*.

7 May 2018. Available from: <https://safety4sea.com/cm-resilience-watch-key-drivers-barriers-towards-resilient-culture-shipping/>

Our special column focuses on resilience, a vital issue for shipping industry - and other industries as well - given that the human element lies at the heart of the safety culture.

Insight: Time to rock the boat. By Alison Lowe. *Tribune 242 (Bahamas)*. 7 May 2018.

Available from: <http://www.tribune242.com/news/2018/may/07/insight-time-rock-boat/> As a small island state, The Bahamas is often subject to the whims of other nations.

Greek ferry operator appoints first woman as Chief Engineer. *Safety4Sea*. 7 May 2018.

Available from: <https://safety4sea.com/greek-ferry-operator-appoints-first-woman-as-chief-engineer/>

Theano Sileoglou belongs to the human resources of Hellenic Seaways since 2010, where she began her career as a C Engineer on the ship "Nissos Mykonos".

PH and the chemical shipping industry. *Manila Times*. 8 May 2018. Available from:

<http://www.manilatimes.net/ph-and-the-chemical-shipping-industry/397447/> As the costs involved in chemical transportation are as big as the cargos themselves, numerous companies seek the services of outsourced shipping organizations, so they get to minimize the time spent on delivery while saving cash.

The battle of the gas-sucking mega giants is set to begin. By Chris Baraniuk. *BBC News*.

8 May 2018. Available from: <http://www.bbc.co.uk/news/business-44003521> 🗣️ They're all there for the same reason: natural gas - and they're hoping to start drawing it up this month.

Damen strengthens female presence in the maritime industry . *Damen Shipyards Group*.

9 May 2018. Available from: <https://bit.ly/2HsqXGh> Sylvia, who has been a WISTA member since 2008 and joined the organisation's board in 2013, said, "I am honoured to take up this position as President of WISTA in the Netherlands.

Big boys join the LNG-fuelled fleet. By Mike Corkhill. *LNG World Shipping*. 8 May 2018.

Available from: http://www.lngworldshipping.com/news/view.big-boys-join-the-lngfuelled-fleet_51714.htm

The global fleet of in-service and on order LNG-fuelled vessels has grown by 26.5% since LNG World Shipping's previous comprehensive review of the use of LNG as marine fuel 12 months ago.

Promoting African ownership and participation in Africa's shipping and maritime sectors.

By Albert M. Muchanga. *African Executive*. 8 May 2018. Available from:

<https://africanexecutive.com/article/read/9725> There is growing desire by member states of the African Union to harness the offerings of the Blue Economy and ensure that the African people fully benefit from them.

Less CO2 in international shipping: Researchers recommend fuel levy. By Kristina Brümmer.

Kühne Logistics University (Germany). 8 May 2018. Available from: <https://www.the-klu.org/klu-experience/news/30ece11dc998578d64e7908e72adf490/> Emissions from shipping must be reduced, according to a recent decision made by the International Maritime Organization (IMO).

New report highlights value and contribution of Solent maritime sector. *Maritime UK*.

8 May 2018. Available from: <https://www.maritimeuk.org/media-centre/news/news-new-report-highlights-value-and-contribution-solent-maritime-sector/> Economic output from the Solent maritime sector has increased 14% over a five-year period, a new report by Maritime UK and the Solent LEP has found.

Doha hosts first International Conference on Maritime Transport. *Organization of Asia-Pacific News Agencies (OANA)*.

8 May 2018. Available from: <http://www.oananews.org/content/news/general/doha-hosts-first-international-conference-maritime-transport> The first international conference on maritime transport and maritime insurance and arbitration kicked off in Doha today.

Cyprus's first shipping minister sets herself ambitious targets. By Paul Tugwell and Georgios Georgiou.

Bloomberg. 8 May 2018. Available from: <https://www.bloomberg.com/news/articles/2018-05-08/cyprus-s-first-shipping-minister-sets-herself-ambitious-targets> Cyprus's first-ever shipping minister is setting her sights high.

Annual Review 2018. *International Chamber of Shipping (ICS)*.

May 2018. Available from: <http://www.ics-shipping.org/docs/default-source/resources/annual-review-2018.pdf> In April this year, the UN International Maritime Organization (IMO) adopted a high level strategy for the further reduction of shipping's greenhouse gas emissions.

How cutting carbon offers a competitive advantage to shipping companies. By Dexter Galvin.

The Ecologist. 9 May 2018. Available from: <https://theecologist.org/2018/may/09/how-cutting-carbon-offers-competitive-advantage-shipping-companies> International shipping carries around 90 percent of world trade and produces about 2.3 percent of global greenhouse gas emissions.

Global shipping industry braces for new sanctions on Iran. By Sameer C. Mohindru.

S&P Global Platts. 9 May 2018. Available from: <https://www.platts.com/latest-news/shipping/singapore/analysis-global-shipping-industry-braces-for-27976907> The US decision to reinstate sanctions on Iran over its nuclear program, may result in more trade, to and from the Persian Gulf country, on ships controlled by European companies, but credit finance related hassles cannot be ruled out, market participants Wednesday said.

How Hong Kong shipping lost out to Singapore, and the industry leaders on a mission to raise its profile. By Stuart Heaver.

South China Morning Post. 10 May 2018. Available from: <http://www.scmp.com/lifestyle/article/2145453/how-hong-kong-shipping-lost-out-singapore-and-industry-leaders-mission> If all of the 2,360 ocean going ships owned or operated by members of the Hong Kong Shipowners Association were placed stem to stern, the line of vessels would be 260km long.

"K" Line, Chubu Electric Power, Toyota Tsusho, and NYK Line establish LNG bunkering joint ventures and launch the LNG bunkering business in Japan. *Kawasaki Kisen Kaisha, Ltd ("K" LINE)*. 10 May 2018. Available from: https://www.kline.co.jp/en/news/lng/lng-7175154730257498310/main/0/link/20189510_E.pdf The four companies have agreed to launch the LNG bunkering business in Japan and have established two joint ventures today.

WISTA Singapore celebrates its 20th anniversary, tackles crucial issues in the shipping industry and world trade at its #UnlockingAsia conference. *Hellenic Shipping News*.

11 May 2018. Available from: <https://bit.ly/2kR7bLN> More than 100 senior professionals from the shipping and related industries gathered on 10 May 2018 to mark the 20th anniversary of the Women's International Shipping and Trading Association (WISTA) in Singapore.

Top container shipping lines reviewing Iran operations. By Jonathan Saul. *Reuters*.

11 May 2018. Available from: <https://www.reuters.com/article/us-iran-nuclear-shipping/top-container-shipping-lines-reviewing-iran-operations-idUSKBN1IC1TS> The world's top two container shipping groups Maersk Line (MAERSKb.CO) and MSC are reviewing their Iran operations after the United States withdrawal from the international nuclear agreement with Tehran.

Posidonia sets compass for future global shipping agenda. *All About Shipping*. 14 May 2018.

Available from: <http://www.allaboutshipping.co.uk/2018/05/14/posidonia-sets-compass-for-future-global-shipping-agenda/> The conferences, seminars and media roundtables planned during this year's Posidonia at the state-of-the-art facilities of the Athens Metropolitan Expo have a truly international flavour as they are organised by companies and organisations from around the world.

The wrong a-gender [Gender diversity in the shipping industry]. *Splash 247.com*. 14 May 2018.

Available from: <https://splash247.com/the-wrong-a-gender/> What if I told you that there was something you could do, which required no increase in capex or opex, and which could enable your company to outperform its competitors by up to 26% over the next six years.

Interview: Shipping's decarbonization will need major R&D investment. *World Maritime News*.

15 May 2018. Available from: <https://worldmaritimeneews.com/archives/252808/interview-shippings-decarbonization-will-need-major-rd-investment/> Kirsi Tikka, Executive Vice President, Senior Maritime Advisor, at the American Bureau of Shipping (ABS), in an interview with World Maritime News said that collaboration by all stakeholders as well as sufficient investment in technology development are needed.

Rivals reject blockchain solution from Maersk and IBM. By Ole Andersen and

Louise Vogdrup-Schmidt. *ShippingWatch*. 15 May 2018. Available from:

<https://shippingwatch.com/secure/carriers/Container/article10602520.ece> Maersk's ambitions of developing a new technical platform built on blockchain technology, developed with IBM, for the container sector overall gets a muted reception from two of the liner company's closest rivals, German Hapag-Lloyd and France's CMA CGM.

Feature: Power sector's thirst for fuel oil after IMO low sulfur cap shifts bunker demand.

S&P Global Platts. 15 May 2018. Available from: <https://www.platts.com/latest-news/shipping/london/feature-power-sectors-thirst-for-fuel-oil-after-26962852> Fuel oil traders are turning to the power sector to assess how much demand may remain for their product after the International Maritime Organization's tighter bunker sulfur limits leave most ship operators buying cleaner fuels in 2020.

AMSA inspected Awassi Express 39 times before scandal. *Maritime Executive*. 15 May 2018.

Available from: <https://www.maritime-executive.com/article/amsa-inspected-awassi-express-39-times-before-scandal> The Australian Maritime Safety Authority (AMSA) inspected the livestock carrier *Awassi Express* 39 times in the five years before whistle blower footage showed thousands of sheep dying of heat stress on board.

The Brief - Weaving the silk road into the 21st century. By Benjamin Fox and Alexandra Brzozowski. *EurActiv*. 15 May 2018. Available from: <https://www.euractiv.com/section/global-europe/news/the-brief-weaving-the-silk-road-into-the-21st-century/> It has the potential to mark a major geopolitical shift, making Eurasia the hub through which goods and commodities are transported between Europe and China.

Building up Nigeria's shipping sector. By Patrick Kingsland. *Ship-Technology.Com*. 16 May 2018. Available from: <https://www.ship-technology.com/features/building-nigerias-shipping-sector/> While oil remains the backbone of the Nigerian economy, one of the most promising sectors it's hoping to develop is the shipping industry.

Trends impacting cruise industry. *Safety4Sea*. 16 May 2018. Available from: <https://safety4sea.com/cm-trends-impacting-cruise-industry/> In an exclusive interview with SAFETY4SEA, Mr. Andreas Chrysostomou, just few days before joining Tototheo Maritime, provided an overview of the cruise industry.

Morgan Stanley says a shipping revolution has oil headed for \$90. By Alex Longley. *Bloomberg*. 16 May 2018. Available from: <https://www.bloomberg.com/news/articles/2018-05-16/morgan-stanley-says-a-shipping-revolution-has-oil-headed-for-90> Forget Iran and OPEC -- there's another issue that will keep oil prices supported for the next two years, according to Morgan Stanley.

SSI Launches 'Zero Emission Vessel, what needs to be done' Report. *Sustainable Shipping Initiative (SSI)*. 16 May 2018. Available from: <http://www.ssi2040.org/news/ssi-launches-zero-emission-vessel-what-needs-to-be-done-report/> Shipping faces huge challenges in finding affordable zero-emission fuels, against a background of poor financial returns and a global requirement to keep transport costs low.

Zero Emission Vessels, what needs to be done? Report prepared for Sustainable Shipping Initiative. *Lloyd's Register and University Maritime Advisory Services (UMAS)*. May 2018. Available from: http://www.ssi2040.org/wp-content/uploads/2018/05/SSI_ZEV_Report_Final-May-2018.pdf MEPC 72 in April 2018 achieved the first milestone in the IMO GHG roadmap.

Bob Sanguinetti has been appointed new CEO of the UK Chamber. *UK Chamber of Shipping*. 16 May 2018. Available from: <https://www.ukchamberofshipping.com/latest/bob-sanguinetti-has-been-appointed-new-ceo-uk-chamber/> Mr Sanguinetti was recently CEO of the Gibraltar Port Authority, where he was credited with delivering significant growth in vessel traffic following a series of wide-reaching initiatives.

Greener fuels may not make shipping safer - here's why. By Paul A.Davies. *The Conversation*. 17 May 2018. Available from: <https://theconversation.com/greener-fuels-may-not-make-shipping-safer-heres-why-96306> Global shipping emits 2% of the world's carbon dioxide emissions and this is projected to increase.

New EU proposal to simplify ship reporting. *Danish Maritime Authority*. 17 May 2018. Available from: <https://www.dma.dk/Presse/Nyheder/Sider/New-EU-proposal-to-simplify-ship-reporting.aspx> The European Commission today adopted a proposal with a view to increased harmonization of ship reporting requirements when calling at ports within the EU.

Live export review recommends major reductions in sheep numbers on Middle East-bound ships. By Brett Worthington and Lucy Sweeney. *ABC (Australia)*. 17 May 2018. Available from: <http://www.abc.net.au/news/2018-05-17/live-export-review-recommends-major-reductions-in-sheep-numbers/9758288> Federal Agriculture Minister David Littleproud initiated the review after footage emerged showing almost 2,500 sheep dying from heat stress during a trip to the Middle East last year.


Biofuels may be shipping's best short-term option. By Anastassios Adamopoulos.

Lloyd's List. 17 May 2018. Available from:

<https://lloydslist.maritimeintelligence.informa.com/LL1122638/Biofuels-may-be-shippings-best-shortterm-option>

Biofuels may be the most financially viable short-term, low-carbon option for shipowners, but wider availability and sustainability issues may jeopardise their long-term efficacy, according to new report.

Blockchain and Beyond: Encoding 21st Century Transport. *International Transport Forum*.

17 May 2018. Available from: <https://www.itf-oecd.org/blockchain-and-beyond> This report examines how advances in data science and encoding could improve transport. [Report](#) 

ICS keeping in touch with shipowner interests into the future. By Vincent Wee.

Seatrade Maritime News. 18 May 2018. Available from: [http://www.seatrade-](http://www.seatrade-maritime.com/news/europe/ics-keeping-in-touch-with-shipowner-interests-into-the-future.html)

[maritime.com/news/europe/ics-keeping-in-touch-with-shipowner-interests-into-the-future.html](http://www.seatrade-maritime.com/news/europe/ics-keeping-in-touch-with-shipowner-interests-into-the-future.html)

The role of the International Chamber of Shipping (ICS) to represent the interests of shipowners at international forums, such as the International Maritime Organization (IMO) in particular, is one that pushes it to the forefront of many hot button issues.

Maersk CEO open to share ownership of digital prestige project. By Ole Andersen and Søren Pico. *ShippingWatch*.

18 May 2018. Available from:

<https://shippingwatch.com/secure/carriers/Container/article10612494.ece> Maersk Group CEO Søren Skou is prepared to consider sharing ownership of the digital platform for the container sector which the company is currently working to develop in collaboration with IBM, he tells ShippingWatch.

Live animal export: Ignorant, defiant or stupid? By Lynn Simpson. *Splash 247.com*.

18 May 2018. Available from: <https://splash247.com/live-animal-export-ignorant-defiant-stupid/>

There is a clear trend that trying to deliver sheep by sea on ships, let alone through hot, humid weather is a recipe for death and disaster.

Koichi Fujiwara foresees a revolution ahead for class. By Richard Clayton. *Lloyd's List*.

18 May 2018. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1122635/Koichi-Fujiwara-foresees-a-revolution-ahead-for-class> It is an open and honest acknowledgement from the representative director, president and chief executive of ClassNK, the ship classification society, not only that the centre of maritime gravity has moved east to China, but also that the future of class lies in embracing change.


Electric ferries on the rise. *DNV GL*. 18 May 2018. Available from:

<https://www.dnvgl.com/article/electric-ferries-on-the-rise-117783> When ferries pass the stunning scenery of Norway's Hordaland County today they leave a sizeable pollution and CO2 footprint behind.

Compare and despair. By Brenda V.Pimentel. *Manila Times*. 22 May 2018. Available from:

<http://www.manilatimes.net/compare-and-despair/400236/> My ten year stint as IMO Regional Coordinator and now continuing work in the maritime field through consultancy works have opened for me a good opportunity of visiting various Asian countries and engaging with maritime officials which allow me to constantly gain extensive knowledge and information on the different circumstances obtaining in each of these countries.

PODCAST: How shipping containers explain the conflict in Yemen. By Mark Leon Goldberg.

UN Dispatch. 21 May 2018. Available from: <https://www.undispatch.com/podcast-how-shipping-containers-explain-the-conflict-in-yemen/>  Yemen is experiencing one of the world's worst humanitarian crises and the circuitous route and tangled politics that cargo ships must navigate in order to unload their goods on Yemen's ports helps explain why that is.

S. Korea to develop LNG bunkering technologies. *Yonhap News Agency (South Korea).*

22 May 2018. Available from:

<http://english.yonhapnews.co.kr/business/2018/05/21/0501000000AEN20180521006200320.html>

South Korea will develop advanced bunkering technology for liquefied natural gas (LNG) ships to increase the number of eco-friendly vessels it can support as more countries move to implement tougher environmental regulations, the oceans ministry said Tuesday.

German shipowners get back to basics. *By Peter Pospiech. MarineLink.com. 22 May 2018.*

Available from: <https://www.marinelink.com/news/shipowners-german-basics437805> The situation for the shipping companies based in Germany has been, much like the rest of the world in 2017, mostly tight.

The unique challenges of living at sea for 63 days. *BBC Future. 22 May 2018. Available from:*

<http://www.bbc.com/future/story/20180521-the-unique-challenges-of-living-at-sea-for-63-days>

When a ship is out in the open ocean, it has to function like a self-contained world.

'Biggest' change in oil market history: Crude prices set to soar ahead of shipping revolution.

By Sam Meredith. CNBC (US). 24 May 2018. Available from:

<https://www.cnbc.com/2018/05/24/oil-prices-set-to-soar-ahead-of-shipping-revolution.html>

Instead of OPEC, Iran or even Venezuela, the most prominent driver of oil prices over the next two years is likely to come in the shape of a shipping revolution, analysts have warned.

Time to rewrite the rules of this maritime boys' club. *By Lucy Hine. TradeWinds. 24 May 2018.*

Available from: <http://www.tradewindsnews.com/TWplus/1491447/time-to-rewrite-the-rules-of-this-maritime-boys-club> Diversity and inclusion (D&I) is not a buzz phrase that is big in shipping.

Maersk Tankers' CEO: It's difficult to recruit talent from three groups.

By Louise Vogdrup-Schmidt. ShippingWatch. 24 May 2018. Available from:

<https://shippingwatch.com/secure/carriers/Tanker/article10629030.ece> The shipping sector needs to locate, find and retain talented personnel.

Women in Maritime: making their mark. *By Nicola Good and Namrata Nadkarni. Fairplay.*

24 May 2018. Available from: <https://fairplay.ihs.com/commerce/article/4301966/women-in-maritime-making-their-mark> Although maritime was not a childhood calling for everyone, many have found it to be a fantastic working environment in which they enjoy strong, personable, and valuable connections.

Carbon Targets for Shipping Can Only Be Met With 'Zero CO2' Fuels.

International Chamber of Shipping (ICS). 25 May 2018. Available from:

<http://www.ics-shipping.org/news/press-releases/2018/05/25/carbon-targets-for-shipping-can-only-be-met-with-zero-co2-fuels>

The ambitious CO2 reduction targets set by the UN International Maritime Organization (IMO) for the year 2050 can only be delivered with the global rollout of zero CO2 fuels and propulsion systems, says the International Chamber of Shipping (ICS).

Plain sailing: how traditional methods could deliver zero-emission shipping.

By Christiaan De Beukelaer. The Conversation. 27 May 2018. Available from:

<https://theconversation.com/plain-sailing-how-traditional-methods-could-deliver-zero-emission-shipping-97180> On May 10, the 43.5-metre schooner *Avontuur* arrived in the port of Hamburg.

Stopford: signs of shipping recovery but investor sentiment 'shaky'. *By Paul Bartlett.*

Seatrade Maritime News. 28 May 2018. Available from:

<http://www.seatrade-maritime.com/news/europe/stopford-signs-of-shipping-recovery-but-investor-sentiment-shaky.html>

Deliveries of new ships will fall to 79m dwt this year, he said, down by 25% compared with 2017, and less than half of the 2011 peak of more than 167m dwt.

The struggle to make diesel-guzzling cargo ships greener. By Maria Gallucci. *IEEE Spectrum*. 29 May 2018. Available from: <https://spectrum.ieee.org/transportation/marine/the-struggle-to-make-diesलगuzzling-cargo-ships-greener> At the pier outside Amsterdam's central train station, commuters stride aboard the *IJveer 61*.

Emergency surcharges: an unwelcome legacy of the cartel era, says GSF.

Global Shippers Forum (GSF). 29 May 2018. Available from: <https://www.globalshippersforum.com/media/emergency-surcharges-an-unwelcome-legacy-of-the-cartel-era-says-gsf/> In recent weeks, the world's leading liner shipping companies have announced the introduction of "emergency" bunker surcharges in response to rising fuel costs, almost in unison.

Viewpoint: The shipping industry public relations challenge. By Paul Stuart-Smith. *Fairplay*.

30 May 2018. Available from: <https://fairplay.ihs.com/commerce/article/4302136/viewpoint-the-shipping-industry-public-relations-challenge> "The air transport sector recognised the need to tell a better story some years ago while shipping is only just beginning to realise this."

Top 10 disruptive technologies to impact fleet management. By Martyn Wingrove.

Marine Electronics & Communications. 30 May 2018. Available from: http://www.marinemec.com/news/view_top-10-disruptive-technologies-to-impact-fleet-management_51958.htm There are many technologies that influence the management of shipping fleets, with some considered more critical than others.

RESEARCH

Vessel traffic in the Canadian Arctic: Management solutions for minimizing impacts on whales in a changing northern region. McWhinnie LH, Halliday, WD et al. *Ocean & Coastal Management*. (2018). Available from:

<http://www.sciencedirect.com/science/article/pii/S0964569117309341> Warming weather conditions in the Arctic are already resulting in changes in both sea ice extent and thickness.

The carbon footprint of global tourism. Lenzen M, Sun, YY et al. *Nature Climate Change*. (2018). Available from: <https://doi.org/10.1038/s41558-018-0141-x> Tourism contributes significantly to global gross domestic product, and is forecast to grow at an annual 4%, thus outpacing many other economic sectors.

Bunker levy schemes for greenhouse gas (GHG) emission reduction in international shipping.

Kosmas V, Acciaro, M. *Transportation Research Part D: Transport and Environment*. (2017). Available from: <http://www.sciencedirect.com/science/article/pii/S1361920917305114> A fuel levy is one of the market-based measures (MBMs) currently under consideration at the International Maritime Organization.

The Baltic Sea as a time machine for the future coastal ocean. Reusch TBH, Dierking, J et al. *Science Advances*. (2018). Available from:

<http://advances.sciencemag.org/content/4/5/eaar8195.abstract> Coastal global oceans are expected to undergo drastic changes driven by climate change and increasing anthropogenic pressures in coming decades.

Exploring ship traffic variability off California. Moore TJ, Redfern, JV et al. *Ocean & Coastal Management*. (2018). Available from:

<http://www.sciencedirect.com/science/article/pii/S0964569117308293> Seaborne trade continues to grow and is an important component of the global economy.

An unexpected and persistent increase in global emissions of ozone-depleting CFC-11.

Montzka SA, Dutton, GS et al. *Nature*. (2018). Available from: <https://doi.org/10.1038/s41586-018-0106-2> The Montreal Protocol was designed to protect the stratospheric ozone layer by enabling reductions in the abundance of ozone-depleting substances such as chlorofluorocarbons (CFCs) in the atmosphere.

Large potential reduction in economic damages under UN mitigation targets.

Marshall Burke, W. Matthew Davis et al. *Nature*. (2018). Available from: <https://www.nature.com/articles/s41586-018-0071-9> International climate change agreements typically specify global warming thresholds as policy targets¹, but the relative economic benefits of achieving these temperature targets remain poorly understood.

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.