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 subject areas related to the work of IMO. Each CAB issue presents headlines from the previous month. For copyright reasons, the Current Awareness Bulletin (CAB) contains excerpts only. Links to the complete articles or abstract on publishers' sites are included when available, though access may require payment or subscription.

The MKC Current Awareness Bulletin is disseminated monthly and issues from the current and the past year are free to download from this page.

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IMO NEWS & EVENTS

WHAT’S NEW

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

Seventy years to the day since the treaty establishing the United Nations International Maritime Organization (IMO) was adopted, Her Majesty Queen Elizabeth II marked the occasion at IMO Headquarters in London on Tuesday (6 March).

Accompanied by IMO Secretary-General Kitack Lim, Her Majesty Queen Elizabeth II unveiled a commemorative plaque and cut an anniversary cake. Her Majesty also met some of the guests attending the event, including representatives of IMO Member States, inter-governmental and international non-governmental organizations, and IMO Secretariat staff.

“We are celebrating 70 years of achievement, in which the truly vital industry of shipping has become safer, cleaner and greener, thanks to the work of IMO. We are also looking ahead to the exciting new challenges on the horizon,” said IMO Secretary-General Lim. Full Story Photos click here

IMO MEETINGS FOR 2018

Sub-Committee on Navigation, Communications and Search and Rescue (NCSR)
5th session, 19/02/2018 – 23/02/2018

Sub-Committee on Pollution Prevention and Response (PPR)
5th session, 5/02/2018 – 9/02/2018

RECENT SPEECHES BY IMO SECRETARY-GENERAL KITACK LIM

International Conference on Harmonized implementation of the Polar Code

International Mobile Satellite Organization (IMSO) Seminar on LRIT

Sub-Committee on Navigation, Communications and Search and Rescue (NCSR)
5th session, 19/02/2018 – 23/02/2018 Opening address

Sub-Committee on Pollution Prevention and Response (PPR)
5th session, 5/02/2018 – 9/02/2018 Opening address

IMO NEWS MAGAZINE Winter 2017

IMO PUBLISHING Just Published: 2018 February 2018 Newsletter
UNITED NATIONS


It has been said many times and in many ways that the Sustainable Development Goals (SDGs) create business opportunities. Business Action Platform for the Ocean

Ten new markets earmarked as opportunities to boost lagging Sustainable Development Goals


Secretary-General António Guterres on Friday made clear that the United Nations will not tolerate sexual harassment "anytime, anywhere," within its ranks and laid out a five-point plan to ensure equality across the Organization, which he said was critical to tackle on the challenge of such behavior.


A nuclear threat on the Korean Peninsula and a quagmire in the Middle East are "two qualitative changes" that further eroded global security over the past year, United Nations Secretary-General António Guterres told an annual conference on international security policy in Munich, Germany.
CASUALTIES


Endangered turtle dies as oil reaches Japan's coastline after Iranian tanker collision. *Japan Times.* 9 February 2018. Available from: [https://www.japantimes.co.jp/news/2018/02/09/national/endangered-turtle-dies-oil-reaches-japans-coastline-iranian-tanker-collision/](https://www.japantimes.co.jp/news/2018/02/09/national/endangered-turtle-dies-oil-reaches-japans-coastline-iranian-tanker-collision/) A green turtle died as oil reached the southern Amami-Oshima Island coast, the local government said Thursday, but it was not clear whether the oil came from an Iranian tanker that sank in nearby waters last month.

**MSC Napoli:** The casualty that changed the course of container safety. By Janet Porter. *Lloyd's List.* 9 February 2018. Available from: [https://lloydslist.maritimeintelligence.informa.com/LL1121042](https://lloydslist.maritimeintelligence.informa.com/LL1121042) Around 20% of containers inspected after the MSC Napoli grounding were considerably heavier than declared - a discovery that eventually led to mandatory weight declaration regulations for containerised cargoes.

Sunken tanker black boxes delivered to Iran. MEHR News Agency (Iran). 13 February 2018.
Iran’s Ports and Maritime Organization announced on Tuesday that it has received both black boxes for sunken *Sanchi* oil tanker, adding the data has remained untouched.

Fire on ship under repair at Cochin Shipyard, 5 killed. Times of India. 13 February 2018.
Available from: https://timesofindia.indiatimes.com/videos/city/kochi/fire-on-ship-under-repair-at-cochin-shipyard-5-killed/videoshow/6289035.cms Five people were killed and 11 got injured after a fire took place at Cochin shipyard.

Available from: http://www.thehindu.com/news/national/kerala/four-killed-in-blast-at-cochin-shipyard/article22738868.ece Five workers were killed and 12 others seriously injured in an explosion on an ONGC rig that was under repair at the Cochin Shipyard on Tuesday.

Acetylene leak led to explosion at Cochin shipyard. Maritime Executive. 14 February 2018.
Available from: https://www.maritime-executive.com/article/acetylene-leak-led-to-explosion-at-cochin-shipyard Investigators looking into the deadly blast aboard the drillship *Sagar Bhushan* announced Wednesday that it was likely caused by leakage of acetylene gas.

Available from: http://www.tradewindsnews.com/casualties/1435730/crewman-died-from-chest-injury-on-greek-cargoship A UK inquest has heard an Albanian seafarer died from a chest injury on a Greek cargoship earlier this month.

'No real risk of pollution' as photos show oil slick leaking out of doomed Qawra vessel. Times of Malta. 17 February 2018. Available from: https://www.timesofmalta.com/articles/view/20180217/local/photos-show-oil-slick-leaking-out-of-doomed-qawra-vessel.670935 Aerial pictures taken on Saturday morning showed an oil slick coming out of a bunkering vessel which ran aground at Qawra Point last week.


Coast Guard monitors multi-day transit of vessel after explosion. United States Coast Guard. 23 February 2018. Available from: https://content.govdelivery.com/accounts/USDHSCG/bulletins/1dd571c Coast Guard personnel are monitoring a 653-foot bulk carrier, with 21 crew members aboard, 120 miles west of the Columbia River entrance after main diesel engine components malfunctioned onboard and caused a localized explosion, Thursday.
**ENVIRONMENT**


**CO2 remains the highest hurdle.** By Malcolm Latarche. *ShipInsight*. 9 February 2018. Available from: [https://shipinsight.com/co2-remains-highest-hurdle/](https://shipinsight.com/co2-remains-highest-hurdle/) For over two decades, engine makers have been obliged to reduce emissions to meet MARPOL and other regulations, with no new emission targets on the horizon what will drive future development?


Coral reefs: We continue to take more than we give. United Nations Environment Programme 14 February 2018. Available from: https://www.unenvironment.org/news-and-stories/story/coral-reefs-we-continue-take-more-we-give. Figures released today on international financial support being given to protect and sustainably manage the world’s coral reefs reveal funding contributions are not only inadequate, but disproportionate to how much the fragile ecosystems offer humans in food, livelihoods, medicine and environmental protection.


Sea-level legacy: 20cm more rise by 2300 for each 5-year delay in peaking emissions. Potsdam Institute for Climate Impact Research (Germany). 20 February 2018. Available from: https://www.pik-potsdam.de/news/press-releases/sea-level-legacy-20cm-more-rise-by-2300-for-each-5-year-delay-in-peaking-emissions. "Man-made climate change has already pre-programmed a certain amount of sea-level rise for the coming centuries, so for some it might seem that our present actions might not make such a big difference – but our study illustrates how wrong this perception is."


Fishermen are harvesting more than half of the world’s oceans. By Erik Stokstad. Science. 22 February 2018. Available from: http://www.sciencemag.org/news/2018/02/fishermen-are-harvesting-more-half-world-s-oceans. No one really knows how many of the world’s seas are being fished by commercial vessels - some scientists say nearly all of them.


S. Korea says no oil spill from sunken Iranian tanker in its waters. Yonhap News Agency (South Korea). 26 February 2018. Available from: http://english.yonhapnews.co.kr/news/2018/02/26/0200000000AEN20180226002800320.html. Oil spills from a sunken Iranian tanker have not affected South Korean waters since the worst maritime incident in decades took place in the East China Sea more than a month ago, Seoul’s oceans ministry said Monday.
ENVIRONMENTAL POLLUTION


Analysis: Trump offshore plan could cause more than 5,000 oil spills. Center for Biological Diversity. 31 January 2018. Available from: http://www.biologicaldiversity.org/news/press_releases/2018/offshore-drilling-01-31-2018.php The Trump administration's proposal to dramatically ramp up offshore drilling could lead to 5,571 oil spills dumping 34.4 million gallons of oil into ocean waters off Alaska, the West Coast, East Coast and Gulf of Mexico, according to a new Center for Biological Diversity analysis.

China coordinates clean-up efforts after oil tanker sinking. By Lifang. Xinhuanet (China). 1 February 2018. Available from: http://www.xinhuanet.com/english/2018-02/01/c_136942448.htm Chinese authorities have coordinated efforts to continue clean-up operations in the East China Sea where an Iranian tanker sank more than two weeks ago, officials said Thursday.


Air pollution from UK shipping is four times higher than previously thought. By Josh Gabbatiss. The Independent. 3 February 2018. Available from: http://www.independent.co.uk/environment/air-pollution-uk-shipping-levels-record-environment-fumes-damage-nitrogen-dioxide-sulphur-a8189691.html Figures raise concerns that emissions from ships are having a significant but overlooked impact on health in port and coastal towns.

Gulf ship-to-ship transfer spills common and neglected? World Maritime News. 5 February 2018. Available from: https://worldmaritimeneWS.com/archives/243040/ An oil slick was spotted on January 25 on the beaches of Aqarah, Fujairah, a home to renowned beach resorts in the United Arab Emirates (UAE), satellite imagery provided by Tanker Trackers, a pro-bono website that monitors the flow of oil at sea, shows.

Coral reefs may be at risk from *Sanchi* oil tanker contamination. UK National Oceanography Centre. 6 February 2018. Available from: http://www.noc.ac.uk/news/coral-reefs-may-be-risk-sanchi-oil-tanker-contamination Water polluted by the *Sanchi* oil tanker may reach coral reefs in the Ryukyu Island chain, according to the latest ocean model simulation by scientists from the National Oceanography Centre (NOC) and the University of Southampton, using the leading edge, high-resolution global ocean circulation model, NEMO.


Probe into oil spill around southern islands. *NHK World (Japan Broadcasting Corporation)*. 12 February 2018. Available from: https://www3.nhk.or.jp/nhkworld/en/news/20180212_07/ The Japanese government is investigating the impact of several oily objects that have washed ashore on its southern islands.


Oil-eating microbes are challenged in the Arctic. By Peter Bondo. *Arctic Science Partnership* 19 February 2018. Available from: [http://www.asp-net.org/content/oil-eating-microbes-are-challenged-arctic](http://www.asp-net.org/content/oil-eating-microbes-are-challenged-arctic) New economic developments in the Arctic, such as trans-Arctic shipping and oil exploitation, will bring along unprecedented risks of marine oil spills.


**HEALTH & SAFETY**

IMO

Broad support for sulfur ban before crucial IMO meeting. By Louise Vogdrup-Schmidt and Katrine Gramvald Raun. ShippingWatch. 1 February 2018. Available from: https://shippingwatch.com/secure/carriers/article10265846.ece An unusual alliance between carriers, flag states and NGOs means that the shipping industry faces yet another ban in the battle against sulfur.

Bimco: Insufficient sulfur resolution would weaken the IMO. By Louise Vogdrup-Schmidt and Katrine Gramvald Raun. ShippingWatch. 5 February 2018. Available from: https://shippingwatch.com/secure/Services/article10277771.ece Implementing and not least enforcing global sulfur requirements will be a test of the IMO's legitimacy, according to Bimco's Deputy Secretary General, Lars Robert Pedersen, in comments today to ShippingWatch, as the crucial sulfur meeting begins in the IMO.

UN agency targets black-carbon pollution from ships. By Jeff Tollefson. Nature. 6 February 2018. Available from: https://www.nature.com/articles/d41586-018-01556-7 Governments are slowly advancing efforts to reduce climate and health impacts of soot.

IMO Secretary General on global sulfur rules: No turning back. By Katrine Gramvald Raun. ShippingWatch. 6 February 2018. Available from: https://shippingwatch.com/secure/carriers/article10281370.ece Global sulfur requirements will arrive in 2020, stressed IMO Secretary General Kitack Lim at the opening of a crucial series of meetings in London this week.

IMO delegates keen to maintain sulphur cap momentum. By Nick Savvides. Fairplay. 7 February 2018. Available from: https://fairplay.ihs.com/safety-regulation/article/4297356/imo-delegates-keen-to-maintain-sulphur-cap-momentum Delegates at the International Maritime Organization's (IMO) Pollution Prevention and Response (PPR) subcommittee meeting have said any delay to the implementation of the so-called sulphur cap due on 1 January 2020 is very unlikely.

IMO to fast-track global sulfur ban. By Katrine Gramvald Raun. ShippingWatch. 8 February 2018. Available from: https://shippingwatch.com/secure/carriers/article10290880.ece A de facto ban against carrying non-compliant fuel on board, which looks set to be approved by the IMO on Friday, will likely come into force already in March 2020.


IMO2020: Green groups welcome move to close HSFO enforcement "Loophole". Ship & Bunker. 12 February 2018. Available from: https://shipandbunker.com/news/world/593234-imo2020-green-groups-welcome-move-to-close-hso-enforcement-loophole A number of environmental groups have welcomed news that the International Maritime Organisation (IMO) has backed moves to ban the carriage of high sulfur bunkers as part of efforts to simplify enforcement of a global 0.50% sulfur cap on marine fuel that comes into force on January 1, 2020.


Kitack Lim calls for greater ties between ports and shipping. By Namrata Nadkarni. *Fairplay.* 20 February 2018. Available from: [https://fairplay.ihs.com/article/4297791/Closing%20shipping%E2%80%99s%20automation%20gap](https://fairplay.ihs.com/article/4297791/Closing%20shipping%E2%80%99s%20automation%20gap) International Maritime Organization (IMO) secretary-general Kitack Lim believes that the advent of autonomous shipping is increasing the importance of communication between ships and ports, which will not only have to deal with safety issues but also provide services such as waste reception facilities and cold ironing.

Europe will be ‘big loser’ in IMO’s drive for cleaner bunker fuel. By Max Tingyao Lin. *Lloyd’s List.* 20 February 2018. Available from: [https://lloydslist.maritimeintelligence.informa.com/LL1121468/Europe-will-be-big-loser-in-IMOs-drive-for-cleaner-bunker-fuel](https://lloydslist.maritimeintelligence.informa.com/LL1121468/Europe-will-be-big-loser-in-IMOs-drive-for-cleaner-bunker-fuel) Europe will be one of the “big losers” from the International Maritime Organization’s new bunker rules and the region should look at incentivising the installation of scrubbers as a solution, a senior official of Rosneft has said.

EU foreign ministers put pressure on the IMO. By Louise Wendt Jensen. *ShippingWatch.* 27 February 2018. Available from: [https://shippingwatch.com/secure/carriers/article10350999.ece](https://shippingwatch.com/secure/carriers/article10350999.ece) The international shipping sector must contribute fairly to the fight against climate change, EU foreign ministers tell the IMO after a meeting in Brussels on Monday.

EU adds to decarbonisation pressure on IMO. By Anastassios Adamopoulos. *Lloyd’s List.* 26 February 2018. Available from: [https://lloydslist.maritimeintelligence.informa.com/LL1121563](https://lloydslist.maritimeintelligence.informa.com/LL1121563) The European Union has reiterated its view that global shipping must draw up an ambitious decarbonisation roadmap, increasing pressure on the International Maritime Organization to devise an acceptable solution to one of the most divisive and long-running policy issues in shipping.
**LAW & POLICY**

**Aviation and shipping - impacts on Europe’s environment.** *European Environment Agency*
This report introduces several methods the European Environment Agency (EEA) has developed for assessing and communicating early RES growth and the important knock-on effects that RES growth has on the energy sector and related areas. *Aviation and shipping - TERM 2017* 📚

**Casting a Safety Net on the Seafood Industry.** *Pew Charitable Trusts*
A blueprint for mitigating illegal catch and protecting fishing crews in your seafood supply chain.

**Frontex launching new operation in Central Med.** *FRONTEX European Border and Coast Guard Agency*
Frontex, the European Border and Coast Guard Agency, is launching a new operation in the Central Mediterranean to assist Italy in border control activities.

**Belgium launches decarbonisation think tank.** By Andrew Spurrier. *Fairplay*
Belgium has a sizeable flag fleet and is hoping it will grow in the months to come.

**Shipowners call for help to defend US pollution prosecutions.** By Jim Mulrenan. *TradeWinds*
Piraeus Marine Club debate hears calls for P&I clubs to give more support.

**In new EU sea mission, ships not obliged to bring migrants to Italy.** By Steve Scherer. *Reuters*
The European Union’s border agency Frontex launched a new Mediterranean operation called Themis on Thursday, removing the obligation of the previous mission to bring rescued migrants only to Italy.

**U.N. court hands Costa Rica territorial victories over Nicaragua.** By Stephanie van den Berg and Enrique Andres Pretel. *Reuters*
Costa Rica claimed victory over Nicaragua on Friday, after the United Nations' highest court awarded Costa Rica disputed territory along the coastal border shared by the two Central American countries.

**Judgement: Maritime Delimitation in The Caribbean Sea and The Pacific Ocean (Costa Rica v. Nicaragua) and Land Boundary in The Northern Part of Isla Portillos** *International Court of Justice (ICJ)*

**Oil from sunken Iranian tanker may have reached Japan shores: Coast Guard.** *Reuters*
Clumps of oil have washed up on the shores of southern Japan and there are fears they may be leaking from an Iranian crude tanker than sank in the world's worst such disaster in decades, the Japanese Coast Guard said on Friday.

Many in Thai fishing industry fail to see conditions as slavery: research. By Sebastien Malo. Reuters. 5 February 2018. Available from: https://www.reuters.com/article/us-thailand-trafficking-fishing/many-in-thai-fishing-industry-fail-to-see-conditions-as-slavery-research-idUSKBN1FP2U7 Thai fishing boat owners who trap workers on board ships and withhold wages often do not realize that is modern slavery, so authorities must ramp up their policing efforts, advocates say.

Philippines’ Duterte reneges on China deal, bans foreign research ships. By Manuel Mogato. Reuters. 6 February 2018. Available from: https://www.reuters.com/article/us-philippines-china-exploration/philippines-duterte-reneges-on-china-deal-bans-foreign-research-ships-idUSKBN1FQ0RX Philippine President Rodrigo Duterte has banned all foreign scientific research off the country's Pacific coast and told the navy to chase away unauthorized vessels, despite earlier allowing Chinese oceanographers to operate there.

China’s real-time global ocean observation network established. China Daily.Com. 6 February 2018. Available from: http://www.chinadaily.com.cn/a/201802/06/WS5a799d0da3106e7dcc13b227.html China research vessel Kexue, or Science, recently placed the 400th profiling float in the northwest Pacific Ocean since the country joined the forefront ocean monitoring plan Argo in 2002.


Removing fossil fuel subsidies will not reduce CO2 emissions as much as hoped. UCL Energy Institute. 8 February 2018. Available from: https://www.ucl.ac.uk/bartlett/energy/news/2018/feb/removing-fossil-fuel-subsidies-will-not-reduce-co2-emissions-much-hoped Removing fossil fuel subsidies would have only a small effect on CO2 emissions and renewable energy use, new research has shown.


South Africa's maritime sector's state of readiness for weather induced disasters in serious doubt: SAMSA. South African Maritime Safety Authority (SAMSA). 10 February 2018. Available from: https://blog.samsa.org.za/2018/02/10/south-africas-maritime-sectors-state-of-readiness-for-weather-induced-disasters-in-serious-doubt-samsa/ SAMSA has warned that the country is badly equipped to manage effectively weather induced disasters at sea, and that unless serious attention is given to the situation, the maritime economic sector and the country's economy in general could face serious consequences.

Shipowners prepared to bring Russian shipping law before the EU. By Søren Pico. ShippingWatch. 12 February 2018. Available from: https://shippingwatch.com/secure/carriers/article10300617.ece Russia's new protectionist shipping law for the Northern Sea Route is a "regrettable signal to the world," Executive Director Jacob K. Clasen, Danish Shipping, tells ShippingWatch.


Plans to boost maritime transport sector highlighted. Bahrain News Agency. 12 February 2018. Available from: http://bna.bh/portal/en/news/825419 Plans to further enhance the customer experience will be the priority area of focus for development at Khalifa Bin Salman Port (KBSP) in 2018, it was revealed today by top officials of Ministry of Transportation and Telecommunications.

Turkish military intervenes to prevent exploration of Mediterranean Sea. Middle East Monitor. 13 February 2018. Available from: https://www.middleeastmonitor.com/20180213-turkish-military-intervenes-to-prevent-exploration-of-mediterranean-sea/ Turkish naval vessels have intercepted the route of a ship belonging to the Italian oil exploration company Eni, which was on its way to explore the recently discovered gas reserves in Cypriot waters.


Erdogan tells Cyprus not to test Turkey over gas standoff. Reuters. 13 February 2018. Available from: https://uk.reuters.com/article/uk-cyprus-natgas-turkey/erdogan-tells-cyprus-not-to-test-turkey-over-gas-standoff-idUKKBN1FX0X9 Turkish President Tayyip Erdogan warned Cyprus not to "overstep the mark" in the eastern Mediterranean, after Greek Cypriots accused the Turkish military of obstructing an Italian vessel exploring for natural gas.


Solomon Islands maritime industry calls for energy efficient operations to reduce greenhouse gasses. *Pacific Community* (SPC). 16 February 2018. Available from: [http://www.spc.int/blog/solomon-islands-maritime-industry-calls-for-energy-efficient-operations-to-reduce-greenhouse-gasses/](http://www.spc.int/blog/solomon-islands-maritime-industry-calls-for-energy-efficient-operations-to-reduce-greenhouse-gasses/) The Solomon Islands Ministry of Infrastructure and Development, Maritime Safety Administration (SIMSA) together with national ship operators, have called for greater investment in energy efficient operations to reduce greenhouse gasses.


European shipowners are opposing a decree Indonesia adopted recently.


In 2017, the total number of illegal border-crossings into the EU dropped to its lowest in four years, especially due to a fall in detections on the Eastern Mediterranean and Western Balkan routes, Frontex analysts write in the Risk Analysis for 2018 report released today. Full Report


The world's fisheries are on the brink of collapse.


Japan's Maritime Self-Defense Force says fuel has apparently been transferred to a North Korean tanker in open waters in the East China Sea, in violation of UN Security Council resolutions.


Commissioner Margrethe Vestager, in charge of competition policy said:“The Commission has sanctioned several companies for colluding in the maritime transport of cars and the supply of car parts.


Indonesia has postponed the implementation of a regulation that would require coal exporters to use national maritime carriers and domestic insurance services, amid concerns about the impact on international trade, sources said Thursday.


Our planet is home to wonderfully diverse natural habitats that support a huge range of life.

**S. Korea to step up maritime cooperation with Denmark.** *Yonhap News Agency (South Korea)*. 23 February 2018. Available from: http://english.yonhapnews.co.kr/business/2018/02/23/0501000000AEN20180223001400320.html

South Korea and Denmark have agreed to expand cooperation to enhance global marine navigation systems and develop technologies for automated ships, Seoul's oceans ministry said Friday.


The Law 50 of 28 June 2017 entered into force on 29 December 2017 and is known as the Naval Financing Law.


Cyprus accused Turkey on Friday of threatening to use force against a drillship chartered by Italy’s Eni, in a standoff over hydrocarbons rights in the eastern Mediterranean.


Climate Change: EU Foreign Ministers call for global ambition to step up EU climate diplomacy. European Union. 26 February 2018. Available from: https://eeas.europa.eu/headquarters/headquarters-homepage/40390/climate-change-eu-foreign-ministers-call-global-ambition-steps-eu-climate-diplomacy_fr The Foreign Affairs Council of 26 February stressed the importance of maintaining global commitment to the landmark Paris Agreement and the urgency of completing the work programme for its implementation, due to be finalised at the next UN climate conference (COP24) in December in Katowice, Poland.


US set to clamp down on North Korea sanctions violators. Lloyd's List. 26 February 2018. Available from: https://lloydslist.maritimeintelligence.informa.com/LL1121555/US-set-to-clamp-down-on-North-Korea-sanctions-violators. The US government and a number of its Asian allies are getting ready to ramp up maritime enforcement action against vessels that breach international sanctions imposed on North Korea, according to a Reuters report.


Australia and East Timor agree on maritime border, 'pathway' to develop gas field. ABC (Australia). 26 February 2018. Available from: http://www.abc.net.au/news/2018-02-26/australia-and-east-timor-agree-on-maritime-border/9486752 Under the agreement, the share of revenue from the offshore gas field will differ depending on downstream benefits that arise from "different development concepts", the statement released following talks in Kuala Lumpur said.


North Korea evades sanctions with help from ships of many names. By Kambiz Foroohar. ShippingWatch. 28 February 2018. Available from: https://shippingwatch.com/secure/carriers/article10354283.ece As Washington and Seoul try to maintain a unified front against North Korea, the case of two cargo ships shows how Kim Jong Un's regime keeps finding ways to evade increasingly tough international sanctions aimed at halting its nuclear weapons program.
**MARINE TECHNOLOGY**


Online control of certificates could lead to faster PSC inspections. Danish Maritime Authority. 2 February 2018. Available from: [https://www.dma.dk/Presse/Nyheder/Sider/Online-control-of-certificates-could-lead-to-faster-PSC-inspections.aspx](https://www.dma.dk/Presse/Nyheder/Sider/Online-control-of-certificates-could-lead-to-faster-PSC-inspections.aspx) The Danish Maritime Authority and EMSA are examining how online control of certificates could make PSC inspections more efficient.

It's digitalisation, but not as we know it. By Richard Clayton. Lloyd's List. 2 February 2018. Available from: [https://lloydslist.maritimeintelligence.informa.com/LL1121133](https://lloydslist.maritimeintelligence.informa.com/LL1121133) The newly released Boston Consulting Group study of digitalisation in container shipping has a vision for our business that many would not recognise.

China carries out first run of unmanned vessel as it seeks to boost maritime security.


Robert Allan Ltd. and Kongsberg Maritime to develop remotely-operated fireboats for ports.


To track an oil spill. By Lonny Lippsett. Woods Hole Oceanographic Institution. 8 February 2018. Available from: [http://www.whoi.edu/oceanus/feature/to-track-an-oil-spill](http://www.whoi.edu/oceanus/feature/to-track-an-oil-spill) Oil spills are bad enough, but imagine if one occurs in an ocean covered with sea ice.

DNV GL boosts investment in 3D printing with establishment of Global Additive Manufacturing Centre of Excellence in Singapore.


Autonomous ships and regulatory developments. By Marcia Vieira-Royle. All About Shipping. 11 February 2018. Available from: [http://www.allaboutshipping.co.uk/2018/02/11/autonomous-ships-and-regulatory-developments/](http://www.allaboutshipping.co.uk/2018/02/11/autonomous-ships-and-regulatory-developments/) The idea of having an autonomous or an unmanned 105 teu vessel crossing the oceans had hardly been met with belief and acceptance by the various segments of the shipping industry, when these actors came to realise that the development of MASS (Maritime Autonomous Surface Ships) had already moved at a very significant pace.

Wave power meets space technology - for smarter, zero carbon ocean monitoring.  
Advances in ocean monitoring are providing more insights about our seas and environment than ever before, from marine life, to sea temperatures, pollution and weather.

China starts work on world’s biggest test site for drone ships at gateway to South China Sea.  
*By Kristin Huang*  
The facility is being built in the waters around Zhuhai, in the southern Chinese province of Guangdong, and will cover 21.6 square kilometres (8.34 square miles) in its first phase, according to Dayoo.com, a Guangzhou Daily news site.

A new generation of antifouling coatings.  
*By Kevin Green*  
The new regulations require that all key biocides used in antifouling yacht paints in the EU be assessed.

Blast from the past: resurrecting sail freight shipping.  
*By Heidi Vella*  
The Schooner Apollonia is a community-focused carbon-neutral project to transport local goods along the Hudson River, to and from New York City, in a sailboat.

Over 8000 vessels automatically alerted of hazardous wreck while entering Singapore Strait.  
Vesper Marine's innovative Guardian solution successfully helped alert over 8000 vessels over 9 months to avoid navigating around a dangerous shipwreck at Singapore port.

How the future looks for ballast water treatment system suppliers.  
*By Malcolm Latarche*  
When the IMO convention was adopted in 2004, it was not a sudden event as the discussions around it had been in progress for several years. In that time system makers were developing their products in expectation of a huge retrofit market.

Cargill says open-loop scrubbers best option for bigger bulkers.  
*By Nida Bakhsh*  
In light of IMO regulations and following extensive studies, trader finds that the open-loop system is the least harmful to the environment.

Data analytics is the next big wave for shipping.  
*By Martyn Wingrove*  
Shipping companies, workboat operators and even those operating fishing vessels are adopting VSAT connectivity to meet the growing requirements from regulatory authorities for reporting and from crew for social media access.

Carnival's LNG fleet: ushering in a new generation of cruise ships.  
*By Eva Grey*  
Three years ago, German cruise line AIDA Cruises made international headlines when its pilot project successfully demonstrated that a cruise ship can be powered by liquefied natural gas.


Victory for UK seafaring as Government doubles funding for training. By Holly Birkett. UK Chamber of Shipping. 2 February 2018. Available from: https://www.ukchamberofshipping.com/latest/victory-uk-seafaring-government-doubles-funding-training/ The annual intake of cadets is to grow by 60% thanks to the Government's plan to double funding for seafarer training – a policy first proposed by the UK Chamber of Shipping and trade union Nautilus.


Driving sustainability in ship recycling: Blue MBA participant Prashant Widge. All About Shipping. 15 February 2018. Available from: http://www.allaboutshipping.co.uk/2018/02/15/driving-sustainability-in-ship-recycling-blue-mba-participant-prashant-widge/ Captain Prashant Widge has an unusual role for a qualified master mariner - after a fulfilling career sailing merchant ships across the globe, he is today engaged in driving sustainability in the ship recycling industry.

Key Singapore cadet training programmes receive $10m funding over three years.


Maritime: 12 jobs that we could not have imagined at Y2K. Safety4Sea. 22 February 2018. Available from: https://safety4sea.com/maritime-12-jobs-not-imagined-y2k/ The automation on board is a "reality" with hundreds autonomous systems working today.


MARITIME SAFETY


Lessons learned: Improper maintenance can cost lives. Safety4Sea. 5 February 2018. Available from: https://www.safety4sea.com/lessons-learned-improper-maintenance-can-cost-lives/ In UK P&I Club’s latest 'Lessons Learned' series, Captain David Nichol presents a case of improper ventilation after maintenance operation, which could have led to fatality of two surveyors during a third party survey on the emergency fire pump.


Instructions for incident reporting. Safety4Sea. 14 February 2018. Available from: http://safety4sea.com/instructions-for-incident-reporting/ The Bahamas Maritime Authority Guidance and Instructions for Bahamian ships, regarding the incident reporting and investigations, whose purpose is to provide lessons learned for the future, as an unreported incident potentially decreases the possibility of improving safety.


MARITIME SECURITY


Shipping needs another NotPetya. By Linton Nightingale. Lloyd's List. 7 February 2018. Available from: https://lloydslist.maritimeintelligence.informa.com/LL1121236. Maersk attack was a wake-up call but the industry is still in sleep mode, says former FBI cyber chief.


MIGRANTS


NAVIGATION & COMMUNICATIONS


Raising the alarm on Ecdis. By Anastassios Adamopoulos. *Lloyd's List*. 26 February 2018. Available from: [https://lloydslist.maritimeintelligence.informa.com/LL1121330](https://lloydslist.maritimeintelligence.informa.com/LL1121330) Autonomous vessels may be seen as the coup de grâce to end all maritime accidents, but the shipping industry is faced with more immediate challenges for navigational safety.

PIRACY

Hot water thrown on pirates. *Maritime Executive*. 17 February 2018. Available from: [https://www.maritime-executive.com/article/hot-water-thrown-on-pirates-in-malaysia](https://www.maritime-executive.com/article/hot-water-thrown-on-pirates-in-malaysia) An attack by suspected Abu Sayyaf pirates was thwarted on Friday after boiling water mixed with oil was poured on the men as they tried to board the vessel.


**PORT STATE CONTROL**


**PORTS & HARBOURS**


India to get control of key port in Iran for 18 months. *Times of India*. 17 February 2018. Available from: [https://timesofindia.indiatimes.com/india/india-to-get-control-of-key-port-in-iran-for-18-months/articleshow/62963561.cms](https://timesofindia.indiatimes.com/india/india-to-get-control-of-key-port-in-iran-for-18-months/articleshow/62963561.cms). India and Iran on Saturday signed a significant pact which gives New Delhi operational control of a part of the strategically located Chabahar port on the Gulf of Oman for 18 months.
Post-Brexit port health border disruption still a major concern for British ports.  
Responding to the publication of the Commons Environment, Food and Rural Affairs Committee report on 'Brexit: Trade in Food', the British Ports Association warned that without agreements on cross-border environmental health standards there could be major disruption at UK and EU ports.

Less fuel oil and more LNG bunkered in 2017.  
In 2017, the sale of bunker oil - fuel for shipping - in the Rotterdam bunker port diminished from 10.1 million m3 to 9.9 million m3.

Digitalisation signals "fourth industrial revolution" for global ports sector: PEMA.  
"With the necessary ambition among PEMA members, everybody can be best in class in improving safety, driving efficiency, and reducing environmental impact," PEMA president, Ottonel Popesco, told AGM delegates.

PFSOF laments proximity of ports to communities. By Izuchukwu Ozoemena.  
The Ports Facilities Security Officers Forum (PFSOF), Lagos maritime security zone, has expressed concern over the convergence of residential communities with seaports, saying it is a major factor for the increasing robbery at sea.

Papua's ports: will international condemnation mark a turning point? By Patrick Kingsland.  
It's one of the fastest growing terminal operators in the world, with 29 container terminals in dozens of different countries.

Bribery in shipping: 'The class society, the IMO, the whole world knew and never did anything'. By Paul Berrill and Michael Juliano.  
The captain pulls his cargoship into a faraway port, its amber lights and those of the sleeping city beyond glimmering amid the deep night.

Security concern raised at Chittagong port after unauthorised boat approaches foreign ship.  
A port official told bdnews24.com on Friday that the GBX incident might seem insignificant, but could lead to a security threat.

Greece's Piraeus port enters new era with increasing handling capacity.  
Piraeus port, the largest harbor in Greece, entered a new era of handling 20,000 plus twenty-foot equivalent unit (TEU) vessels on Monday when China's COSCO Shipping *Taurus* giga container vessel, one of the biggest worldwide, docked here.

754 ships desert eastern ports. By Yusuf Babalola.  
A total of 754 vessels dumped the eastern ports in the country within a period of three years due to shallow depth and pirate attacks, LEADERSHIP's investigations have revealed.


REGULATIONS

No exceptions from insurers in 2020 for IMO non-compliance. S&P Global Platts. 2 February 2018. Available from: https://www.platts.com/latest-news/shipping/london/feature-no-exceptions-from-insurers-in-2020-for-26884390 As the International Maritime Organization's 2020 0.5% global sulfur cap draws ever nearer there are plenty of questions that remain unanswered, one of which is the impact on insurance policies.

The Fight Against NOxious Emissions. All About Shipping. 7 February 2018. Available from: http://www.allaboutshipping.co.uk/2018/02/07/the-fight-against-noxious-emissions/ The IMO's Tier III limits for nitrous oxide (NOX) emissions from new ships operating in emission control areas (ECAs) are one of the latest regulatory challenges for many shipowners.


IMO2020: Scorpio Bulkers says these are the 3 barriers to adopting scrubbers. Ship & Bunker. 9 February 2018. Available from: https://shipandbunker.com/news/world/946581 Scorpio Bulkers Inc. (Scorpio Bulkers) say there are currently three things preventing a "mature long-term decision" being made on choosing scrubbers as a compliance solution for IMO 2020.

Banning non-compliant fuel onboard is one thing. Enforcing it is another. Fathom News. 10 February 2018. Available from: http://www.fathom-news.com/banning-con-compliant-fuel-oil-ships-one-thing-enforcing-another/ The IMO is on its way to ban ships from carrying fuel oil onboard that they cannot legally use.

Insurers demand enhanced regulations as new mega vessels come online. By Jon Guy. Fairplay. 12 February 2018. Available from: https://fairplay.ihs.com/safety-regulation/article/4297366/insurers-demand-enhanced-regulations-as-new-mega-vessels-come-online For some years the marine insurance sector has voiced its fears about the increasing size of vessels used by world shipping.
Old attitudes, new systems: why shipowners are struggling to adapt to the BWMC.

Owners warned about new China regulations on solid waste. By Vincent Wee.

Deadlines looming on emissions-monitoring plans warns ABS. By Mary Bond.

Oil majors expect compliant marine fuels produced from residuals as post-2020 choice.
By Max Tingyao Lin. *Lloyd's List*. 22 February 2018. Available from: [https://lloydslist.maritimeintelligence.informa.com/LL1121519](https://lloydslist.maritimeintelligence.informa.com/LL1121519) The post-2020 bunker scene will see 0.5% sulphur fuel oil made from residual fuel becoming the preferred marine bunkering choice, according to two of the world's largest energy firms, even though such products have yet to emerge.

**SALVAGE**


**SEAFARERS**


Gov't to open Guesthouse in South Africa for Indonesian seamen. By Telly Nathalia. 

Merchant ship with 22 Indians onboard missing, govt coordinating with Nigeria. 

Fishing’s dark side: the need to improve conditions for workers. By Joe Baker. 


Hong Kong-managed tanker released after being hijacked by pirates, company reveals. 

AoS Chaplains help unpaid seafarers. By Erin Carelse. *Southern Cross (South Africa)*. 6 February 2018. Available from: [https://www.scross.co.za/2018/02/chaplains-help-unpaid-seafarers/](https://www.scross.co.za/2018/02/chaplains-help-unpaid-seafarers/) When a group of seafarers were left in limbo in the port of Durban after their ship was detained following the non-payment of wages, Catholic charity Apostleship of the Sea came to the rescue.


Bristol University law students lead on new Flag State project. *Human Rights at Sea (HRAS)*. 9 February 2018. Available from: [https://www.humanrightsatsea.org/bristol-university-law-students-lead-on-new-flag-state-project/](https://www.humanrightsatsea.org/bristol-university-law-students-lead-on-new-flag-state-project/) The University of Bristol's Human Rights Implementation Centre offers a unique opportunity for students to conduct applied research in collaboration with valued partners through its Human Rights Law Clinic.


Stella Maris, the century-old charity helping foreign seafarers regain their land legs. By Sophie Meixner. *ABC (Australia)*. 21 February 2018. Available from: http://www.abc.net.au/news/2018-02-20/charity-stella-maris-helping-foreign-seafarers-regain-land-legs/9401166 In some cases, they have been at sea and away from their families for nine months or longer.


Captain removed after starving crew complain. *Maritime Executive*. 24 February 2018. Available from: https://maritime-executive.com/article/captain-removed-after-starving-crew-complain The master of the Liberia-flagged chemical tanker *Tintomara* has been removed from his ship in Gladstone, Australia, after the vessel was detained amid allegations of poor working conditions by the crew.

Mediterranean Car Carriers Line involved in another case of crew neglect. By Sam Chambers. Splash 24/7. 28 February 2018. Available from: http://splash247.com/mediterranean-car-carriers-line-rocked-by-another-case-of-crew-neglect/ Greece's Mediterranean Car Carriers Line (MCCL) is in the news again after it was revealed that the crew on another of its five ships have not been paid for the last four months.

MLC hours of work and rest wording questioned. Maritime Executive. 27 February 2018. Available from: https://www.maritime-executive.com/article/mlc-hours-of-work-and-rest-wording-questioned#gs.zFYyhXA Maritime risk prevention firm, Prevention at Sea (PaSea), has raised concerns about the different interpretations attributed to MLC 2006 Regulation 2.3 Hours of work and hours of rest, para. 5(b) and para. 6.

SEARCH & RESCUE


Guidelines for SAR plans onboard passenger ships. Safety4Sea. 13 February 2018. Available from: https://www.safety4sea.com/guidelines-for-sar-plans-onboard-passenger-ships/ The need for a uniform basis for the establishment of plans for cooperation between passenger ships and search and rescue (SAR) services in accordance with SOLAS regulation V/7.3, is very important.

SHIP RECYLING

Cash buyer criticizes blacklisting: "It's not realistic". By Niklas Krigslund. ShippingWatch. 2 February 2018. Available from: https://shippingwatch.com/carriers/article10263265.ece The world's biggest cash buyer of end-of-life ships, GMS, thinks that Norway's oil fund has blacklisted four carriers on an uninformed basis.

The Shame Game. By Michael Grey. Lloyd’s List. 8 February 2018. Available from: https://lloydslist.maritimeintelligence.informa.com/LL1121083 We need to show the world's biggest ship recyclers that we will encourage their improvements, not constantly bleat about their deficiencies.

World's largest investor not convinced by the Hong Kong convention. By Tomas Kristiansen. ShippingWatch. 13 February 2018. Available from: https://shippingwatch.com/secure/carriers/Container/article10303786.ece Unlike a significant portion of the shipping sector, the Council on Ethics at the world's biggest independent investor, Norway's Government Pension Fund Global, does not believe that a Hong Kong certification in and of itself is enough to approve a scrapping facility.

Maersk CEO: Alang yards catching up with Chinese, Turkish rivals. World Maritime News. 15 February 2018. Available from: https://worldmaritimene ws.com/archives/244398/ Shipbreaking yards in Alang, India seem to be on the track of transformation toward becoming compliant with high safety and environmental standards, according to the Chief Executive Officer.


SHIPBUILDING & SHIPREPAIR


Europe takes first steps in electrifying world’s shipping fleets. By Paul Hokenos. Yale Environment 360. 22 February 2018. Available from: http://e360.yale.edu/features/europe-takes-first-steps-in-electrifying-worlds-shipping-fleets Since early 2015, a mid-sized car ferry, the MS Ampere, has been traversing the Sognefjord in western Norway from early morning to evening, seven days a week — without a whiff of smokestack exhaust or a decibel of engine roar.


TEU Tokens - First Cryptocurrency for container shipping is launched. By Gavin van Marle. gCaptain. 31 January 2018. Available from: http://gcaptain.com/teu-tokens-first-cryptocurrency-for-container-shipping-is-launched/. Container shipping could see the first widespread use of a cryptocurrency this week.


Quo vadis, PH maritime industry? By Brenda V.Pimentel. Manila Times. 3 February 2018. Available from: http://www.manilatimes.net/quo-vadis-ph-maritime-industry/377955/. This question was asked by the Movement for Maritime Philippines (MMP) in a forum last week to express concern over the leadership vacuum at the Maritime Industry Authority (Marina) after Engr. Marcial Amaro 3rd's dismissal as its administrator.

Malta Marittima helps establish national maritime 'cluster'. Times of Malta. 4 February 2018. Available from: https://www.timesofmalta.com/articles/view/20180204/business-news/Malta-Marittima-helps-establish-national-maritime-cluster.669733. Malta Marittima Agency has been established by Legal Notice 41 of 2016 and 90 of 2017 with the goal of establishing the national maritime cluster in Malta.

New head of Norwegian carriers wants shipping to take more climate responsibility.

Zero-Emission Vessels 2030. How do we get there? Lloyd's Register. 5 February 2018. Available from: https://www.lr.org/en/insights/articles/zev-report-article/ LR and University Maritime Advisory Services (UMAS) released ‘Zero-Emission Vessels 2030’ in December 2017, a study aiming to demonstrate the viability of zero-emission vessels (ZEVs) - identifying what needs to be in place to make them a competitive solution for decarbonisation.

Clarkson’s Stopford sees tech-driven, high efficiency future model for shipping.


How inspiring women will create a thriving maritime industry. By Jemima FitzMorris. Lloyd’s List. 7 February 2018. Available from: https://lloydslist.maritimeintelligence.informa.com/LL1121224 Companies that embrace diversity are far more likely to innovate and grow than those that take a narrower approach to inclusion.


Guy Platten to succeed Peter Hinchcliffe at the International Chamber of Shipping. By Sam Chambers. Splash 24/7. 8 February 2018. Available from: http://splash247.com/guy-platten-succeed-peter-hinchcliffe-international-chamber-shipping/ Guy Platten has confirmed via Twitter he has been selected to replace Peter Hinchcliffe at the International Chamber of Shipping (ICS).

Globalisation & International Maritime Transport. By Balbhav Mishra. Sea News. 9 February 2018. Available from: http://seanews.co.uk/globalisation-international-maritime-transport/ Globalisation has evolved with a realisation that resources and goods are not always produced in a location where there is an actual need for it.
People power and new technologies debated at First InterManager Ship Managers’ Forum. Hellenic Shipping News. 9 February 2018. Available from: http://www.hellenicshippingnews.com/people-power-and-new-technologies-debated-at-first-intermanager-ship-managers-forum/ Blockchain in the shipping industry, the safety culture among crew members, and the changing world of maritime payments were all debated at InterManager's First Interactive Ship Managers’ Forum this week.

Ballast water treatment system testing under fire. By Wendy Laursen. Maritime Executive. 10 February 2018. Available from: https://maritime-executive.com/article/ballast-water-treatment-system-testing-under-fire Ballast water testing industry group GlobalTestNet has issued a statement after concerns were raised as a result of the recent closure of two test facility members, the Maritime Environment Resource Center (MERC) and DHI Singapore.


Supertankers could change U.S. oil export game. By Patti Domm. CNBC. 13 February 2018. Available from: https://www.cnbc.com/2018/02/13/saudi-owned-supertanker-taking-2-millions-barrels-of-us-oil-into-world-market.html The first oil supertanker, capable of carrying 2 million barrels of crude, was being loaded in Louisiana this week, signalling the next phase in the U.S. transition to becoming a major energy exporter.


Responsible shipping practices needed to keep invasive species out of Oman seas. Times of Oman. 14 February 2018. Available from: http://timesofoman.com/article/128261. If ships take it upon themselves to deal with the ballast water responsibly, then the threat of invasive species can be countered, experts said.

Paperless class approval system on trial. The Motorship. 15 February 2018. Available from: http://www.motorship.com/news101/industry-news/paperless-class-approval-system-on-trial A three-dimensional PDF technology that could significantly reduce the amount of time spent comparing and adapting drawings during class approvals is being tested in Germany.

Maersk CEO cannot imagine self-sailing box ships in his lifetime. By Christian Wienberg. ShippingWatch. 16 February 2018. Available from: https://shippingwatch.com/secure/carriers/Container/article10316382.ece Maersk Group CEO says that the workforce of Maersk has reached a minimum and there is no more room to get rid of humans on container ships.

The long-awaited acceptance of LNG is ever more in evidence. By Malcolm Latarche. ShipInsight. 16 February 2018. Available from: https://shipinsight.com/long-awaited-acceptance-lng-shipping-industry-ever-evidence/ As the realisation that the 2020 global cap on sulphur is drawing inexorably closer gradually dawns, the long-awaited acceptance of LNG by the shipping industry is ever more in evidence.


Slow steaming to reduce CO2 emissions, key for 2018. By Priyanka Ann Saini. Sea News. 16 February 2018. Available from: http://seanews.co.uk/slow-steaming-to-reduce-co2-emissions-key-for-2018/ With the IMO tightening up on environmental regulations in the maritime sector, many new technologies and techniques are being undertaken to reduce emissions and the environmental impact.


NYSHEX CEO: Digitization is the new normal. World Maritime News. 19 February 2018. Available from: https://worldmaritimeneWS.com/archives/244804 An unreliable and extremely volatile spot market and non-binding contracts in the container shipping industry, which has emerged from a considerably turbulent period over the past couple of years, has prompted the establishment New York Shipping Exchange (NYSHEX), an exchange portal for shippers and carriers.

ING and EIB provide EUR 300m to finance green shipping. European Investment Bank (EIB). 19 February 2018. Available from: http://www.eib.org/infocentre/press/releases/all/2018/2018-036-ING-and-EIB-provide-EUR-300m-to-finance-green-shipping The facility is available to clients with significant European interests, and can be used for projects with a green innovation element covering the construction of new vessels or retrofitting of existing vessels.

Number of bunker alerts 'increased significantly' in 2017; may surge on current trends: VPS. By Surabhi Sahu and Wendy Wells. S&P Global Platts. 20 February 2018. Available from: https://www.platts.com/latest-news/shipping/singapore/number-of-bunker-alerts-increased-significantly-26894703 Global fuel testing company Ventas Petroleum Services said the number of bunker alerts it issued in 2017 was the highest since 2014 and the number of marine fuel quality issues detected was expected to surge going forward if current trends continued.

World's biggest investor presents green requirements for shipping. By Tomas Kristiansen. ShippingWatch. 21 February 2018. Available from: https://shippingwatch.com/secure/carriers/article10331071.ece Until now, compliance with human rights has been decisive for the Norwegian Government Pension Fund Global's ethical choices to buy or sell shares, environmental policies at companies will now also be made a formal part of the requirements.


In Depth: MPA Singapore riding the digitalization wave. *World Maritime News.* 26 February 2018. Available from: [https://worldmaritimenews.com/archives/245831](https://worldmaritimenews.com/archives/245831) Digital transformation of the maritime industry means that companies will now be able to leverage digital solutions such as data analytics, Internet-of-Things (IoT) and smart systems, which are expected to boost productivity and cut costs.

Baltic states lead by example on sulphur emission strategies. By John Pagni. *Fairplay.* 27 February 2018. Available from: [https://fairplay.ihs.com/safety-regulation/article/4297916/baltic-states-lead-by-example-on-sulphur-emission-strategies](https://fairplay.ihs.com/safety-regulation/article/4297916/baltic-states-lead-by-example-on-sulphur-emission-strategies) As the debate over how to meet the International Maritime Organization’s (IMO’s) 2020 0.5% sulphur limit rages on, the Baltic states are proving how such a challenge can be overcome now that they’ve met their own ultra-low target.

Bank names saints and sinners in shipping. By Niklas Krigslund. *ShippingWatch.* 28 February 2018. Available from: [https://shippingwatch.com/secure/carriers/article10332657.ece](https://shippingwatch.com/secure/carriers/article10332657.ece) As the pressure grows on shipping companies to improve their ethics, an American bank has caused a stir by ranking owners according to their corporate governance.
RESEARCH

Maritime NOx emissions over Chinese seas derived from satellite observations.

Frequency of Microplastics in Mesopelagic Fishes from the Northwest Atlantic.

Committed sea-level rise under the Paris Agreement and the legacy of delayed mitigation action.
By M. Mengel, A. Nauels et al. Nature Communications. (2018). Available from: https://doi.org/10.1038/s41467-018-02985-8 Sea-level rise is a major consequence of climate change that will continue long after emissions of greenhouse gases have stopped.

Biodegradation of marine oil spills in the Arctic with a Greenland perspective.

Turning the tide on trash: Empowering European educators and school students to tackle marine litter.

Tracking the global footprint of fisheries.
By D. A. Kroodsma, J. Mayorga et al. Science. (2018). Available from: http://science.sciencemag.org/content/359/6378/904.abstract As the human population has grown in recent decades, our dependence on ocean-supplied protein has rapidly increased.

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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.