



WORLD MARITIME DAY 2019
**EMPOWERING WOMEN
IN THE MARITIME COMMUNITY**

INTERNATIONAL MARITIME ORGANIZATION

MARITIME KNOWLEDGE CENTRE (MKC)

“Sharing Maritime Knowledge”

CURRENT AWARENESS BULLETIN

APRIL 2019

www.imo.org

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

maritimeknowledgecentre@imo.org



About the MKC Current Awareness Bulletin (CAB)

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

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

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

The *Current Awareness Bulletin (CAB)* is published 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	4
CASUALTIES.....	5
ENVIRONMENT	7
ENVIRONMENTAL POLLUTION	9
HEALTH & SAFETY	10
IMO	11
LAW & POLICY.....	12
MARINE TECHNOLOGY.....	17
MARITIME EDUCATION & TRAINING	18
MARITIME SAFETY	19
MARITIME SECURITY	20
MIGRANTS.....	22
NAVIGATION & COMMUNICATIONS.....	23
PIRACY.....	25
PORT STATE CONTROL.....	26
PORTS & HARBOURS.....	26
REGULATIONS	29
SALVAGE	32
SEAFARERS	32
SEARCH & RESCUE	35
SHIP RECYCLING	37
SHIPBUILDING & SHIPREPAIR	38
SHIPPING	39
RESEARCH.....	46

IMO NEWS & EVENTS

WHAT'S NEW

Be bold for change – how to empower women in the maritime community

Remove structural barriers, build good networks and support quality education to ensure no woman, no girl is left behind in the maritime sector – where women remain significantly under-represented. These were some of the themes reiterated by maritime leaders speaking on the first day of the third World Maritime University (WMU) International Women's Conference, Empowering Women in the Maritime Community, Malmö, Sweden (4-5 April), reflecting this year's World Maritime Day [theme](#).

Opening the conference, WMU President Cleopatra Doumbia-Henry called on the whole maritime sector to "be bold for change" in order to achieve the UN Sustainable Development Goals ([SDGs](#)), in particular SDG 5 on gender equality. "We need to ensure a quality education is made available to everyone, including and empowering women and girls. No one should be left behind," she said.

"To make progress we need bold and innovative initiatives to ensure we progress gender diversity," said Helen Buni, focal point for IMO's Women in Maritime Programme, which supports women to access maritime training and other opportunities, including through gender-specific fellowships for high-level technical training. Through this programme, IMO has facilitated the establishment of seven women in maritime associations across the globe to provide networking, mentorship and other opportunities.

Heike Deggim, Director of IMO's Maritime Safety Division said while there had been some progress in female representation at IMO meetings amongst national delegations, the maritime industry needed more women, particularly in leadership roles. "There are infinite possibilities for a more fair and equitable workplace that takes advantage of the strengths that both genders bring to management and leadership," Ms Deggim said. "IMO recognizes that the shipping industry must reach out to every sector of the community if it is to attract the very best people to pursue a maritime career. Employing and empowering more women will go a long way to solving the challenges faced by the maritime industry, especially the predicted shortage of skilled seafarers, in particular officers."

In a video message to the conference, IMO Secretary-General Kitack Lim said, "The maritime world needs all hands on deck, both male and female, to continue to carry the world's goods in a clean safe and efficient manner."

IMO MEETINGS FOR 2018

Sub-Committee on Human Element, Training and Watchkeeping (HTW), 6th session
29 April – 6 May 2019

[Facilitation Committee \(FAL\), 43rd session](#) 8-12 April 2019

LATEST PRESS BRIEFINGS

[IMO maritime data solution available after launch in Antigua and Barbuda](#)

Briefing: 07, April 11, 2019

[Electronic information exchange mandatory for ports from 8 April 2019](#)

Briefing: 06, April 8, 2019

RECENT SPEECHES BY IMO SECRETARY-GENERAL KITACK LIM

Sub-Committee on Human Element, Training and Watchkeeping (HTW), 6th session
29 April – 3 May 2019 ([Opening](#) Remarks)

[Second Belt and Road Forum for International Cooperation \(BRF\), China](#), 25-27 April 2019

[Special event on women, ports and facilitation](#), 10 April 2019

Facilitation Committee (FAL), 43rd session 8-12 April 2019 ([Opening](#) and [Closing](#) Remarks)

IMO NEWS MAGAZINE ([Winter 2018](#))

IMO PUBLISHING

[Just Published 2019](#)

[March 2019 Newsletter](#)

UNITED NATIONS

UN highlights profound implication of population trends on sustainable development.

UN News. 1 April 2019. Available from: <https://news.un.org/en/story/2019/04/1035841>

The United Nations is highlighting the important role that population trends play in promoting sustainable development, during the annual Commission on Population and Development, which began at UN Headquarters in New York on Monday.

Lack of basic water facilities risks millions of lives globally: UN health agency. *UN News*.

3 April 2019. Available from: <https://news.un.org/en/story/2019/04/1035971> In the first assessment of its kind, the WASH (Water sanitation hygiene) in Health Care Facilities report, from the World Health Organization (WHO) and UN Children's Fund UNICEF, also finds that one in five health care facilities has no toilet or latrine – a problem that affects at least 1.5 billion people, and likely reflects a lack of facilities in the wider community.

Women outliving men 'everywhere', new UN health agency statistics report shows. *UN News*.

4 April 2019. Available from: <https://news.un.org/en/story/2019/04/1036091> Average life-expectancy globally has increased by five-and-a-half years since the turn of the century, and women outlive men "everywhere", the World Health Organization (WHO) said on Thursday.

'Health is a right, not a privilege' says WHO chief on World Health Day. *UN News*. 5 April 2019.

Available from: <https://news.un.org/en/story/2019/04/1036221> Speaking at the Palais des Nations in Geneva, during an event to launch the Day, the WHO chief said that all people deserve access to health services, "when and where they need them, without financial hardship."

UN General Assembly to commemorate the ILO Centenary. *International Labour*

Organization (ILO). 8 April 2019. Available from: https://www.ilo.org/global/about-the-ilo/newsroom/news/WCMS_683760/lang--en/index.htm A special session will mark the ILO's 100 years, followed by a series of high-level discussions on the future of work.

'The clock is ticking' on meeting the Sustainable Development Goals, says UN deputy chief.

UN News. 11 April 2019. Available from: <https://news.un.org/en/story/2019/04/1036531> Under the theme, "Partnerships Driving Inclusive Implementation of the SDGs", the Forum will capture key policy messages to inform the High-level Political Forum (HLPF) in September.

'A global measles crisis' is well underway, UN agency chiefs warn. *UN News*. 15 April 2019.

Available from: <https://news.un.org/en/story/2019/04/1036701> Noting a 300 per cent surge in the number of measles cases during the first three months of this year, compared to the same period last year, two UN agency heads declared on Monday that we now stand "in the middle of a global measles crisis".

'Do everything in your power to tackle climate change' UN chief urges on Mother Earth Day.

UN News. 22 April 2019. Available from: <https://news.un.org/en/story/2019/04/1037061> Billed officially as an Interactive Dialogue on Harmony with Nature, the UN General Assembly session involved Member States and top officials discussing the need to take urgent action against the pace of global warming, in line with the 2015 Paris Agreement, to keep carbon dioxide emissions to well-below two degrees Celsius.

'The green economy is the future,' UN chief says in Beijing, urging climate solutions that strengthen economies, protect the environment. *UN News*. 27 April 2019. Available from:

<https://news.un.org/en/story/2019/04/1037461> Winning the race against climate change to keep our planet livable and on a healthy trajectory requires action rooted in sustainable solutions aligned with the Paris Agreement and the UN-driven 2030 Agenda for sustainable development, Secretary-General António Guterres said on Saturday.

A world first: Women at the helm of every UN Regional Commission. *UN News*. 27 April 2019. Available from: <https://news.un.org/en/story/2019/04/1037171> Although United Nations Regional Commissions have been in existence for more than 70 years, for the first time ever, each one is currently headed by a woman designated by Secretary-General António Guterres.

CASUALTIES

Rennell oil spill an inevitable outcome of broken system, says academic. *Radio New Zealand*. 1 April 2019. Available from: <https://www.radionz.co.nz/international/pacific-news/386042/rennell-oil-spill-an-inevitable-outcome-of-broken-system-says-academic> An Australian academic and environmental management expert says the oil spill in Rennell was not just an accident but an inevitable outcome of a broken system.

Larne harbour ferry fire just months after lorries topple on same ship. By Gareth McKeown. *Irish News*. 1 April 2019. Available from: <http://www.irishnews.com/news/2019/04/01/news/larne-harbour-ferry-fire-just-months-after-lorries-topple-on-same-ship-1587267/> A fire broke out on a passenger ferry in Larne Harbour yesterday, just months after lorries toppled over on the same P&O ship.

Oasis of the Seas involved in casualty at Grand Bahama Shipyard. *Maritime Executive*. 1 April 2019. Available from: <https://www.maritime-executive.com/article/oasis-of-the-seas-involved-in-casualty-at-grand-bahama-shipyard> The cruise ship *Oasis of the Seas* has suffered an unspecified casualty in dry dock at Grand Bahama Shipyard, a major repair and refit facility for the Caribbean cruise industry.

Solomon Islands: Oil stops spilling but environmental toll still being calculated. By Catherine Wilson. *Mongabay*. 2 April 2019. Available from: <https://news.mongabay.com/2019/04/solomon-islands-oil-stops-spilling-but-environmental-toll-still-being-calculated/> An international effort to halt a massive oil spill from a wrecked ship in a far-flung province of the Solomon Islands in the southwest Pacific has finally succeeded.

Two dead after fire on cargoship. By Gary Dixon. *TradeWinds*. 3 April 2019. Available from: <https://www.tradewindsnews.com/casualties/1746745/two-dead-after-fire-on-cargoship> Chinese authorities have said two seafarers were killed in a cargoship fire in Zhejiang Province.

Update on East Rennell oil spill, Solomon Islands. *UNESCO World Heritage Centre*. 4 April 2019. Available from: <http://whc.unesco.org/en/news/1948> The World Heritage Centre is determined to support Solomon Islands and Australia in exploring all options to hold the responsible company, owners and insurers to account.

Hitchin couple's praise for crew after cruise ship's Norway engine failure. By Dan Mountney. *The Comet (UK)*. 11 April 2019. Available from: <https://www.thecomet.net/motoring/hitchin-couple-recall-time-on-norway-cruise-1-5989595> A Hitchin couple who were on board the stranded Viking Sky cruise ship off the coast of Norway last month have spoken about the episode.

Seafarer killed in knife fight off India. By Gary Dixon. *TradeWinds*. 11 April 2019. Available from: <https://www.tradewindsnews.com/legal/1753444/seafarer-killed-in-knife-fight-off-india> The body of Yemeni national Abdul Hakim Mohsin, 54, was placed into the vessel's deep freeze following the incident, the Times of India reported.

S. Koreans grieve in memory of victims of Sewol ferry sinking on its 5th anniversary.

Yonhap News Agency (South Korea). 16 April 2019. Available from:

<https://en.yna.co.kr/view/AEN20190415009700315> Yellow ribbons tied to a breakwater at the southwestern port of Paengmok wave in the wind, a symbol that commemorates those who died in a deadly ferry sinking in 2014.

Pacific Basin bulker hit by fire in Morehead City. *World Maritime News*. 16 April 2019.

Available from: <https://worldmaritimeneeds.com/archives/275144/pacific-basin-bulker-hit-by-fire-in-morehead-city/> The 2002-built bulk carrier *Albany Sound* has suffered a fire in the crew cabins while berthed at North Carolina Port, Morehead City, USA.

Chief engineer killed in SCI suezmax fire. By Gary Dixon. *TradeWinds*. 17 April 2019.

Available from: <https://www.tradewindsnews.com/casualties/1758048/chief-engineer-killed-in-sci-suezmax-fire> A seafarer has been killed and two others injured in a blaze on a suezmax tanker in India.

Republic of the Marshall Islands Maritime Administrator Releases the STELLAR DAISY Marine Casualty Investigation Report. *Government of the Marshall Islands*. 19 April 2019. Available from:

<https://www.register-iri.com/wp-content/uploads/RMI-Maritime-Administrator-Releases-STELLAR-DAISY-Investigation-Report-19-April-2019.pdf> The Republic of the Marshall Islands (RMI) Maritime Administrator (the "Administrator") has completed its Marine Casualty Investigation Report (the "Report") into the loss of the very large ore carrier (VLOC) *STELLAR DAISY*. [Stellar Daisy Casualty Investigation Report](#)

Stellar Daisy: Disagreement on "Out of the Ordinary" Defects. *Maritime Executive*.

21 April 2019. Available from: <https://maritime-executive.com/article/stellar-daisy-disagreement-on-out-of-the-ordinary-defects> The Republic of the Marshall Islands (RMI) Maritime Administrator has completed its Marine Casualty Investigation Report into the loss of the very large ore carrier (VLOC) *Stellar Daisy* - with the ship's classification society Korean Register disagreeing on some key points.

Stellar Daisy loss due to catastrophic structural failure of ship's hull, says key report from Marshall Islands. By Dale Wainwright and Adam Corbett. *TradeWinds*. 22 April 2019.

Available from: <https://www.tradewindsnews.com/casualties/1760393/stellar-daisy-loss-due-to-catastrophic-structural-failure-of-ships-hull-says-key-report-from-marshall-islands> The loss of the VLOC *Stellar Daisy* was most likely due to a "catastrophic structural failure of the ship's hull", a long-awaited report by the ship's flag state has concurred.

Mandatory e-charts cut risk of CMA CGM Libra re-run, UK Club argues. By David Osler.

Lloyd's List. 23 April 2019. Available from:

<https://lloydslist.maritimeintelligence.informa.com/LL1127158/Mandatory-echarts-cut-risk-of-CMA-CGM-Libra-rerun-UK-Club-argues> Mandatory use of electronic charts has significantly reduced the likelihood of casualties similar to the CMA CGM *Libra* grounding eight years ago, which featured in a recent landmark High Court ruling, according to the UK P&I Club.

"INTERCARGO on Bulk Carrier Casualties reporting". *International Association of Dry Cargo Shipowners (INTERCARGO)*. 24 April 2019. Available from:



https://www.intercargo.org/wp-content/uploads/2019/04/INTERCARGO-MEDIA-RELEASE_24_04_2019.pdf INTERCARGO's Bulk Carrier Casualty Report 2018 provides an analysis of reported bulk carrier losses during the period from 2009 to 2018, when 188 lives were lost and 48 bulk carriers over 10,000 dwt were identified as total losses. [Bulk Carrier Casualty Report; Years 2009 to 2018 and trends](#)

Marshall Islands urged to act on Stellar Daisy loophole. By Adam Corbett. *TradeWinds*.

25 April 2019. Available from: <https://www.tradewindsnews.com/casualties/1763094/marshall-islands-urged-to-act-on-stellar-daisy-loophole> Accident report suggests flag state should make recommendations to the IMO as structural weakness of VLOC conversions is revealed.

ENVIRONMENT

Enabling effective and equitable marine protected areas - Guidance on combining governance approaches. *United Nations Environment Programme (UNEP)*. 2 April 2019. Available from: <https://www.unenvironment.org/resources/enabling-effective-and-equitable-marine-protected-areas-guidance-combining-governance> Human life depends on the benefits the ocean provides for health, well-being and economic growth.

30x30: groundbreaking scientific study maps out how to protect a third of the world's oceans by 2030. *Greenpeace International*. 3 April 2019. Available from: <https://www.greenpeace.org/international/press-release/21652/> As governments meet at the UN to negotiate towards an historic Global Ocean Treaty, a groundbreaking study by leading marine biologists has mapped out how to protect over a third of the world's oceans by 2030, a target that scientists say is crucial in order to safeguard wildlife and to help mitigate the impacts of climate change.
[30x30: A Blueprint for Ocean Protection](#)  [Executive Summary](#)  [Interactive Map](#)

Campaign to save oceans maps out global network of sanctuaries. By Matthew Taylor. *The Guardian*. 4 April 2019. Available from: <https://www.theguardian.com/environment/2019/apr/04/campaign-to-save-oceans-maps-out-global-network-of-sanctuaries> Academics have mapped out a network of sanctuaries they say are required to save the world's oceans, protect wildlife and fight climate breakdown.

PM announces conference on "Blue Economy" - Mozambique. *Club of Mozambique*. 4 April 2019. Available from: <https://clubofmozambique.com/news/pm-announces-conference-on-blue-economy-mozambique/> Mozambican Prime Minister Carlos Agostinho do Rosario declared on Wednesday in Maputo that the planned conference on the Blue Economy, named "Growing Blue", should serve as a platform for seeking knowledge and exchanging experiences about the preservation and increasingly sustainable use of the ocean.

Latin America's "Southern Cone" takes lead in marine conservation. By Fermín Koop. *Maritime Executive*. 5 April 2019. Available from: <https://www.maritime-executive.com/editorials/latin-america-s-southern-cone-takes-lead-in-marine-conservation> Home to some of the world's most biodiverse areas, Chile, Argentina and Uruguay are stepping up the protection of millions of square kilometres of ocean.

This is what a planet-wide network of ocean sanctuaries could look like. By Emma Charlton. *World Economic Forum*. 10 April 2019. Available from: <https://www.weforum.org/agenda/2019/04/could-these-ocean-sanctuaries-save-our-seas/> What comes to mind when you think of the high seas?

Unique oil-eating bacteria found in world's deepest ocean trench. *EurekaAlert!* 11 April 2019. Available from: https://www.eurekaalert.org/pub_releases/2019-04/uoqa-uoqa041119.php Scientists from the University of East Anglia have discovered a unique oil eating bacteria in the deepest part of the Earth's oceans - the Mariana Trench.

Food for thought: How your next oily takeaway dinner really could help reduce toxic emissions. By Ellie Donnelly. *Independent (Ireland)*. 12 April 2019. Available from: <https://www.independent.ie/business/world/food-for-thought-how-your-next-oily-takeaway-dinner-really-could-help-reduce-toxic-emissions-38006836.html> Waste oil from fast food and takeaway meals could help the global shipping sector hit new emissions targets by switching to biofuels.

Marine litter and environmental justice. *United Nations Environment Programme (UNEP).* 15 April 2019. Available from: <https://www.unenvironment.org/news-and-stories/story/marine-litter-and-environmental-justice> The panel discussion on Marine Litter – Impacts, Inequality and Environmental Injustice, held during the Fourth UN Environment Assembly, addressed the role of environmental justice on communities affected by marine litter and microplastics pollution.

Saint Lucia joins the UN Environment Clean Seas Campaign. *Government of Saint Lucia.* 16 April 2019. Available from: <http://www.govt.lc/news/saint-lucia-joins-the-un-environment-clean-seas-campaign> The Government of Saint Lucia is delighted to be part of the UN Environment's Clean Seas Campaign which was launched in 2017.

Blue Bonds: An audacious plan to save the world's oceans. *Nature Conservancy.* 16 April 2019. Available from: <https://www.nature.org/en-us/what-we-do/our-insights/perspectives/an-audacious-plan-to-save-the-worlds-oceans/> How upfront philanthropy could provide debt relief for island nations and unlock \$1.6 billion for ocean conservation.

Preventing marine hitchhikers. *UNDP Ecosystems & Biodiversity.* 17 April 2019. Available from: <https://undp-biodiversity.exposure.co/preventing-marine-hitchhikers> Protecting marine biodiversity through strong partnerships to prevent the introduction of invasive aquatic species built up on ships' hulls & other structures.

New research offers solution to riddle of ocean carbon storage. *University of Tasmania (Australia).* 18 April 2019. Available from: <http://www.imas.utas.edu.au/news/news-items/new-research-offers-solution-to-riddle-of-ocean-carbon-storage> Research by a team of the world's leading oceanographers has proposed a new explanation for how the ocean absorbs and stores carbon, solving a riddle that has long puzzled scientists.

Scientists believe ship strikes killed 3 whales found in bay area this month. *NBC News (US).* 19 April 2019. Available from: <https://www.nbcbayarea.com/news/local/Scientists-Believe-Ship-Strikes-Killed-3-Whales-Found-in-Bay-Area-This-Month-508834871.html> Two gray whales found dead in the last two weeks in San Francisco Bay died after being hit by ships, scientists with The Marina Mammal Center confirmed Friday.

Scientists to study methane emissions in North Sea. *British Antarctic Survey (BAS).* 23 April 2019. Available from: <https://www.bas.ac.uk/media-post/scientists-to-study-methane-emissions-in-north-sea-using-aircraft/> Scientists embark on a three-week flying campaign today (23 April) to study methane emissions from gas fields in the southern North Sea.

Karmenu Vella: 'Facts and science still carry the day' for clean air champions. *By Sam Morgan. EurActiv.* 23 April 2019. Available from: <https://www.euractiv.com/section/air-pollution/interview/karmenu-vella-facts-and-science-still-carry-the-day-for-clean-air-champions/> Thousands of protesters across Europe have taken to the streets over the last few years to demand cleaner air.

Turning the tide. *By João Aguiar Machado. Parliament Magazine.* 23 April 2019. Available from: <https://www.theparliamentmagazine.eu/articles/opinion/turning-tide> Decades of overfishing, pollution and climate change have made the ocean a fragile environment and it needs our protection, writes João Aguiar Machado.

'You did not act in time': Greta Thunberg's full speech to MPs. *By Greta Thunberg. The Guardian.* 23 April 2019. Available from: <https://www.theguardian.com/environment/2019/apr/23/greta-thunberg-full-speech-to-mps-you-did-not-act-in-time> Read the full text of the speech Greta Thunberg gave to MPs at the Houses of Parliament.

Watch: Are we moving fast enough to save the climate? *Safety4Sea*. 23 April 2019.

Available from: <https://safety4sea.com/watch-are-we-moving-fast-enough-to-save-the-climate/> International climate leader Christiana Figueres, recognized as the architect of the Paris Climate Agreement, delivers the 2019 Peter M. Wege Lecture on Sustainability, addressing efforts to stem the increase in global temperature.

State of the climate: Heat across Earth's surface and oceans mark early 2019. *Carbon Brief*.

23 April 2019. Available from: <https://www.carbonbrief.org/state-of-the-climate-heat-across-earths-surface-and-oceans-mark-early-2019> Global surface temperatures in 2019 are on track to be either the second or third warmest since records began in the mid-1800s, behind only 2016 and possibly 2017.

Norway's oil giant bends to investor pressure on climate. By Kelly Gilblom. *ShippingWatch*.

24 April 2019. Available from: <https://shippingwatch.com/secure/Offshore/article11336848.ece> Oil major Equinor pledges to test how all its large current and future investments fit with the goals set out in the Paris climate accord.

Urgent need for climate adaptation in transport, say experts. *United Nations Conference on Trade and Development (UNCTAD)*. 25 April 2019. Available from:

<https://unctad.org/en/pages/newsdetails.aspx?OriginalVersionID=2063> Climate change impacts pose huge risks to transportation, threatening global trade and development.

UK's 'creative carbon accounting' breaches climate deal, say critics. By Sandra Laville.

The Guardian. 25 April 2019. Available from:

<https://www.theguardian.com/environment/2019/apr/25/uks-creative-carbon-accounting-breaches-climate-deal-say-critics> The UK is breaching the Paris agreement on climate change by excluding international aviation and shipping figures from carbon budgets, according to a leading NGO.

ENVIRONMENTAL POLLUTION

Veep tasks African nations to tackle maritime plastic pollution. By Godwill Arthur-Mensah.

Ghana News Agency. 2 April 2019. Available from:

<http://www.ghananewsagency.org/economics/veep-tasks-african-nations-to-tackle-maritime-plastic-pollution-147824> Vice President Dr Mahamudu Bawumia, Tuesday, called on African countries to institute legislative framework to address the incidents of maritime safety, security, plastic pollution and ocean governance in order to build resilient economies.

Hard lessons from a disastrous oil spill. By Bob Spies. *Ocean Conservancy*. 2 April 2019.

Available from: <https://oceanconservancy.org/blog/2019/04/02/hard-lessons-disastrous-oil-spill/>

Thirty years ago, the *Exxon Valdez* oil tanker ran aground in Prince William Sound, Alaska and spilled 11 million gallons of North Slope crude oil.

Marine plastic pollution costs \$13b damage yearly. By Sulaimon Salau. *Guardian (Nigeria)*.

3 April 2019. Available from: <https://guardian.ng/business-services/marine-plastic-pollution-costs-13b-damage-yearly/> As the global shipping industry continues to tackle the menace of plastics waste on waters, facts have emerged that about \$13 billion are lost to damage caused to the marine ecosystem by plastic pollution.

Addressing marine plastic pollution in PH. *CNN Philippines*. 3 April 2019. Available from:

<https://www.youtube.com/watch?v=TyJ45jtuDil> Last month a young Goose-beak whale died in the Davao Gulf and researchers pulled out almost 90 pounds of plastics inside it.

Do chemicals that disperse oil spills make the problem worse? Probably not, new study finds.

By Warren Cornwall. *Science*. 5 April 2019. Available from:

<https://www.sciencemag.org/news/2019/04/do-chemicals-disperse-oil-spills-make-problem-worse-probably-not-new-study-finds>

When the Deepwater Horizon oil well spewed at least 518 million liters of oil into the Gulf of Mexico in 2010, responders added an additional 7 million liters of chemicals, known as dispersants, to try to control the oil.

Ocean uproar: saving marine life from a barrage of noise. **By Nicola Jones.** *Nature*.

10 April 2019. Available from: <https://www.nature.com/articles/d41586-019-01098-6> Ship engines, underwater blasts, sonar and oil drilling are filling the seas with sound.

Sea sick: Plastic garbage in the North Atlantic Ocean skyrocketing. **By Doyle Rice.** *Phys.Org*.

17 April 2019. Available from: <https://phys.org/news/2019-04-sea-sick-plastic-garbage-north.html>

Since 1957, scientific gear used to measure plankton in the north Atlantic Ocean has been clogged by plastic trash some 669 times.

Black carbon and maritime shipping: The long road to regulating a short-lived climate pollutant. **By Bryan Comer.** *Climate & Clean Air Coalition*. 25 April 2019. Available from:

<http://ccacoalition.org/en/blog/black-carbon-and-maritime-shipping-long-road-regulating-short-lived-climate-pollutant>

If it were a country, the international maritime shipping sector would be the sixth largest greenhouse gas (GHG) emitter, producing more emissions than Germany.

Firm fined \$3.3M for worst California oil spill in 25 years. *SFGATE (US)*. 25 April 2019.

Available from: <https://www.sfgate.com/news/texas/article/Pipeline-firm-fined-3-3M-for-worst-CA-oil-spill-13796768.php> A pipeline company was fined nearly \$3.35 million on Thursday for causing the worst California coastal spill in 25 years.

Grounded barge leaks oil on Kodiak Island. *Maritime Executive*. 28 April 2019. Available from:

<https://www.maritime-executive.com/article/grounded-barge-leaks-oil-on-kodiak-island>

A long-derelict barge near the U.S. Coast Guard base on Kodiak Island may be leaking petroleum, and the USCG has contracted with Global Diving and Salvage to conduct an assessment and abatement process.

HEALTH & SAFETY

Ebola not an international 'health emergency' but risks spreading across DR Congo border, warns UN health agency. *UN News*. 12 April 2019. Available from:

<https://news.un.org/en/story/2019/04/1036611> The Ebola outbreak in the Democratic Republic of the Congo (DRC) "does not constitute a public health emergency of international concern", according to a statement issued on Friday by the World Health Organization (WHO).

Statement on the meeting of the International Health Regulations (2005) Emergency Committee for Ebola virus disease in the Democratic Republic of the Congo on 12th April 2019. *World Health Organization (WHO)*. 12 April 2019. Available from:

<https://bit.ly/2KyVucy>

The meeting of the Emergency Committee convened by the WHO Director-General under the International Health Regulations (IHR) (2005) regarding Ebola virus disease (EVD) in the Democratic Republic of the Congo took place on Friday, 12th April, 2019.

Maritime Fatigue: Just another band aid? By Dennis Bryant. *Maritime Logistics Professional*.

16 April 2019. Available from: <https://www.maritimeprofessional.com/news/maritime-fatigue-just-another-band-345097> On 24 January, the IMO issued updated guidelines on fatigue.

Sailors' Society launches Not On My Watch petition to make wellness training mandatory for seafarers. *Sailors' Society*. 16 April 2019. Available from: <https://www.sailors-society.org/about-us/press-room/not-on-my-watch/> Maritime charity Sailors' Society is petitioning the International Labour Organization (ILO) to make wellness training for seafarers mandatory in the Maritime Labour Convention (MLC).

Calls for seafarer training to recognise trauma symptoms in crew. By David Hughes. *Safety at Sea*. 24 April 2019. Available from: <https://safetyatsea.net/news/2019/calls-for-seafarer-training-to-recognise-trauma-symptoms-in-crew/> As signs of an increasing emphasis on 'soft skills', maritime safety campaigner Michael Lloyd has called for officers and managers in the shipping industry to be trained in recognising shock caused by traumatic incidents on board and post-traumatic stress syndrome.

IMO

DNV GL confirms SHI's INTELLIMAN Ship software complies with EU-MRV and IMO-DCS. *DNV GL*. 28 March 2019. Available from: <https://www.dnvgl.com/news/dnv-gl-confirms-shi-s-intelliman-ship-software-complies-with-eu-mrv-and-imo-dcs-144444> Leading classification society DNV GL announced today that Samsung Heavy Industries (SHI) INTELLIMAN Ship software complies with the EU-MRV and IMO-DCS regulations.

IMO 2020 is nothing new. By Lars Jensen. *Splash 247.com*. 2 April 2019. Available from: <https://splash247.com/imo-2020-is-nothing-new/> At the annual Transpacific Maritime conference in Long Beach, the impending implementation of the low sulphur fuel regulations loomed large over many of the discussions.

IMO 2020 - differing perspectives across shipping sectors. By Barry Parker. *Seatrade Maritime News*. 3 April 2019. Available from: www.seatrade-maritime.com/news/americas/imo-2020-differing-perspectives-across-shipping-sectors.html IMO 2020 continues to dominate discussions in shipping the annual Capital Link conference in New York this week was no exception providing a variety of perspectives from across different sectors of shipping even if there an acknowledgement that "nobody knows" precisely what will happen.

IMO 2020 is about human health, not just the environment. By Richard Clayton. *Lloyd's List*. 3 April 2019. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1126915/IMO-2020-is-about-human-health-not-just-the-environment> The CMA Shipping 2019 conference has been reminded that the discussion about cutting sulphur in fuels has to be more than the cost to shipowners of compliance.

Heated debate on environmental regulation. By Marcus Hand. *Seatrade Maritime News*. 10 April 2019. Available from: <http://www.seatrade-maritime.com/news/asia/heated-debate-on-environmental-regulation.html> The parliamentary debate at Sea Asia roused the passions of speakers who really got into the playing the part of a political debate with the motion of - "This house believes that too much is expected of the shipping industry on environmental matters".

Is IMO the place to mandate greenhouse gas targets? By Craig Jallal. *Tanker Shipping & Trade*. 10 April 2019. Available from: https://www.tankershipping.com/news/view.is-imo-the-place-to-mandate-greenhouse-gas-targets_57468.htm MEPC 74 meets in May to discuss IMO's measures to meet its greenhouse gas targets, but is this focus on emissions obscuring the organisation's competing priorities?

Support for BIMCO proposal at IMO to harmonize data. By Jeppe Skovbakke Juhl. *BIMCO*. 12 April 2019. Available from: <https://www.bimco.org/news/priority-news/20190412-harmonize-data> BIMCO gained solid support for a submission at the 43rd session of the Facilitation Committee meeting (FAL 43) held at the IMO Headquarters on 8-12 April that will ensure harmonisation of data exchanges and reduce the administrative burden for ships.

Industry supports the IMO's new anti-corruption agenda. *International Chamber of Shipping* 15 April 2019. Available from: <http://www.ics-shipping.org/news/press-releases/2019/04/15/industry-supports-the-imos-new-anti-corruption-agenda> The International Maritime Organization (IMO) has agreed to address maritime corruption by including this important issue in its work programme for the Facilitation Committee.

IMO 2020: Countdown to compliance. *UK Chamber of Shipping*. 17 April 2019. Available from: <https://www.ukchamberofshipping.com/latest/imo-2020-countdown-compliance/> The UK Chamber is helping its members prepare for the IMO's global sulphur cap in 2020, a new regulation that could be highly disruptive without the right guidance.

EU commissioner Bulc reported to agree on need for global regulation of shipping. By David Glass. *Seatrade Maritime News*. 18 April 2019. Available from: <https://bit.ly/2VFOyhT> Though no official announcements have been made about the meetings in Brussels and Piraeus it is understood Bulc agrees there is a need for global solutions and not regional ones when it comes to serious shipping issues.

What should Kitack Lim tell the Extinction Rebellion kids? By David Osler. *Lloyd's List*. 18 April 2019. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1127143/What-should-Kitack-Lim-tell-the-Extinction-Rebellion-kids> My teenage daughter is participating in the Extinction Rebellion protests that — even as I type — are disrupting large areas of central London.

Shipping's 'Paris Agreement' needs its regulators. By Anastassios Adamopoulos. *Lloyd's List*. 26 April 2019. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1127166/Shipings-Paris-Agreement-needs-its-regulators> It has been more than a year since the International Maritime Organization adopted a landmark - albeit temporary - strategy to curb shipping's greenhouse gas emissions.

LAW & POLICY

International organisations agree joint plan at ILO to improve gender balance at sea. By Debbie Cavaldoro. *Nautilus International*. 29 March 2019. Available from: <https://www.nautilusint.org/en/news-insight/telegraph/international-organisations-agree-joint-plan-at-ilo-to-improve-gender---balance-at-sea/> Seafarer, shipowner and government representatives came together from across the globe at the International Labour Organisation (ILO) in Geneva in March 2019 to set objectives for improving the recruitment and retention of women seafarers.

US urges marine insurers to adopt North Korea AIS switch-off clauses. By David Osler. *Lloyd's List*. 29 March 2019. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1126857/US-urges-marine-insurers-to-adopt-North-Korea-AIS-switchoff-clauses> The US Office of Foreign Asset Control is asking marine insurers to consider 'AIS switch-off clauses', invalidating cover where vessels thought to be trading with North Korea disable their Automatic Identification System

Teenage African migrants accused of hijacking tanker after sea rescue. By Chris Scicluna. *Reuters*. 30 March 2019. Available from: <https://mobile.reuters.com/article/amp/af/idUSKCN1RB0A3> Three teenage migrants were charged in a Maltese court on Saturday with hijacking a small commercial tanker that had rescued them and others off the coast of Libya.

Maritime sector to boost UAE's position as global hub, minister says. By Samir Salama.

Gulf News (UAE). 31 March 2019. Available from: <https://gulfnews.com/business/maritime-sector-to-boost-uaes-position-as-global-hub-minister-says-1.63033274> With around \$65 billion (Dh239 billion) invested in 2018 in ports across the country, the future of the UAE as a maritime hub both regionally and globally is looking immensely promising, a top official said yesterday (Sunday).

Italy's belt road embrace. By Andre Wheeler. *Splash 247.com*. 1 April 2019. Available from: <https://splash247.com/italys-belt-road-embrace/> With Italy becoming the first G7 country to enter an MOU with China and its Belt Road Initiative (BRI), there are claims that the sky is about to fall in.

High seas could be protected by 'global treaty'. *Sky News*. 4 April 2019. Available from: <https://news.sky.com/story/high-seas-could-be-protected-by-global-treaty-11683256> 📰 The high seas are areas of ocean outside national waters that cover more than two-fifths of the surface of the Earth.

Djibouti ordered to pay DP World \$530M in port dispute. *Maritime Executive*. 4 April 2019. Available from: <https://www.maritime-executive.com/article/djibouti-ordered-to-pay-dp-world-530m-in-port-dispute> A court in London has awarded global ports operator DP World \$385 million in compensation for the government of Djibouti's decision to shut it out of previously-agreed development opportunities.

HMS Montrose identifies evasion of North Korea sanctions. *Royal Navy*. 4 April 2019. Available from: <https://www.royalnavy.mod.uk/news-and-latest-activity/news/2019/april/05/190405-montrose-north-korea> Royal Navy frigate *HMS Montrose* has successfully tracked an illegal fuel transfer at sea while conducting United Nations sanctions enforcement against North Korea.

One large maritime dispute could put UAE on global arbitration map. By Jonathan Boonzaier. *TradeWinds*. 7 April 2019. Available from: <https://www.tradewindsnews.com/legal/1740199/one-large-maritime-dispute-could-put-uae-on-global-arbitration-map> Dubai-headquartered Emirates Maritime Arbitration Centre (EMAC) is working to join London, New York, Hong Kong and Singapore as one of shipping's preferred locations for resolving legal disputes.

Maritime Authority of Jamaica represents interests of smaller nations. *The Gleaner (Jamaica)*. 9 April 2019. Available from: <http://jamaica-gleaner.com/article/shipping/20190409/maritime-authority-jamaica-represents-interests-smaller-nations> Rear Admiral (ret'd) Peter Brady, director general of the Maritime Authority of Jamaica (MAJ), in a recent interview, discussed the involvement and expansion plans of the MAJ and the Jamaica Ship Registry (JSR), which it administers.

IMO low sulfur rule could mean bumpy road ahead for Trump, truckers. By Dan Eberhart. *Forbes*. 9 April 2019. Available from: <https://www.forbes.com/sites/daneberhart/2019/04/09/imo-low-sulfur-rule-could-mean-bumpy-road-ahead-for-trump-truckers/> Crude oil and diesel prices have been on the march lately, with the former up nearly 40% since late December.

The Global economy: A delicate moment. By Gita Gopinath. *International Monetary Fund (IMF)*. 9 April 2019. Available from: <https://blogs.imf.org/2019/04/09/the-global-economy-a-delicate-moment/> 📰 A year ago, economic activity was accelerating in almost all regions of the world.

World Economic Outlook, April 2019: Growth Slowdown, Precarious Recovery. *International Monetary Fund (IMF)*. April 2019. Available from: <https://www.imf.org/en/Publications/WEO/Issues/2019/03/28/world-economic-outlook-april-2019> After strong growth in 2017 and early 2018, global economic activity slowed notably in the second half of last year, reflecting a confluence of factors affecting major economies.
[Full Report](#) 📄 [Executive Summary](#) 📄

Refreshed Singapore Maritime R&D Roadmap and Digitalisation to chart next phase of growth. *Maritime and Port Authority of Singapore (MPA)*. 10 April 2019. Available from: <https://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/b838f4a7-987f-4af2-860f-30a3aa857f87> Over the next three years, the Maritime and Port Authority of Singapore (MPA) will focus on digitalisation to help companies innovate and improve productivity.

Nordic Region pushes for global agreement on plastics. *Nordic Co-Operation*. 10 April 2019. Available from: <https://www.norden.org/en/nyhed/nordic-region-pushes-global-agreement-plastics> In a joint declaration, the Nordic countries are pushing for a new global agreement on the reduction and prevention of plastic waste and microplastics discharged into the sea. [Nordic ministerial declaration on the call for a global agreement to combat marine plastic litter and microplastics](#)

U.S. Senator introduces bill on cruise ship deaths. *Maritime Executive*. 10 April 2019. Available from: <https://maritime-executive.com/article/u-s-senator-introduces-bill-on-cruise-ship-deaths> U.S. Senator Deb Fischer (R-Neb.) has introduced a bill she says will ensure greater accountability for cruise lines when passengers die.

Legal aspects in charter party lack clarity ahead of IMO 2020. **By Lee Hong Liang.** *Seatrade Maritime News*. 10 April 2019. Available from: <http://www.seatrade-maritime.com/news/asia/legal-aspects-in-charter-party-lack-clarity-ahead-of-imo-2020.html> With the IMO 2020 regulation just round the corner, shipowners are mostly catching up on understanding fuel compatibility and operational issues, but the equally important legal aspects have been largely left unsaid.

Negotiations on Governance of Marine Genetic Resources in the High Seas Move Forward. **By Lynn Wagner.** *International Institute for Sustainable Development (IISD)*. 11 April 2019. Available from: <http://sdg.iisd.org/news/negotiations-on-governance-of-marine-genetic-resources-in-the-high-seas-move-forward/> Delegates at the second session of the Intergovernmental Conference to negotiate a new treaty for the high seas addressed options related to: marine genetic resources; area-based management tools including marine protected areas (MPAs); environmental impact assessments (EIAs); and capacity building and marine technology transfer.

Interim Maritime Transport Sector Development and BBEE Councils set up now underway: Department of Transport. *South African Maritime Safety Authority (SAMSA)*. 11 April 2019. Available from: <https://blog.samsa.org.za/2019/04/11/interim-maritime-transport-sector-development-and-bbee-councils-set-up-now-underway-department-of-transport/> The Department of Transport (DoT) is moving fast to live up to its recent commitment to facilitate with speed the setting up of the country's first maritime focused councils - a transport sector development council and a maritime sector BBEE council - as promised stakeholders during a consultative sector conference held in Durban two months ago.

Miami Federal Judge Threatens To Stop Carnival Ships From Docking In US. *CBS Miami*. 11 April 2019. Available from: <https://miami.cbslocal.com/2019/04/11/miami-federal-judge-threatens-to-stop-carnival-ships-from-docking-in-us/> As punishment for a possible probation violation, a federal judge in Miami has threatened to temporarily block Carnival Corp. from docking its ships at ports in the U.S.

Nigeria moves to bar foreign ships. **By Gary Dixon.** *TradeWinds*. 12 April 2019. Available from: <https://www.tradewindsnews.com/tankers/1754229/nigeria-moves-to-bar-foreign-ships> The Nigerian Maritime Administration and Safety Agency (NIMASA) has this week set out a plan to end cabotage waivers for foreign owners within two to five years.

New project to boost capacity development, improve ocean governance. *Seychelles Nation*. 13 April 2019. Available from: <http://www.nation.sc/article.html?id=263089> A new project designed to ensure the conservation, sustainable use, access and benefit sharing of natural resources, biodiversity and ecosystems within the Western Indian Ocean will soon get underway.

Seychelles president issues underwater plea to protect oceans. *The Guardian*. 14 April 2019. Available from: <https://www.theguardian.com/world/2019/apr/14/seychelles-president-danny-faure-underwater-plea-protect-oceans> The president of the Seychelles has made a plea for stronger protection of the "beating blue heart of our planet", in a speech delivered from deep below the ocean's surface.

Ships scrub up to meet new pollution standard. By Lina Zeldovich. *Hakai Magazine*. 15 April 2019. Available from: <https://www.hakaimagazine.com/news/ships-scrub-up-to-meet-new-pollution-standard/> A new international limit for sulfur emissions is prompting a shift toward a controversial technology.

Rape at sea, Flag State jurisdiction and the search for justice. *Human Rights at Sea (HRAS)*. 15 April 2019. Available from: <https://www.humanrightsatsea.org/2019/04/15/rape-at-sea-flag-state-jurisdiction-and-the-search-for-justice/> The alleged rape of a 17-year-old female UK national on the Panamanian flagged cruise ship MSC Divina as the ship sailed between Mallorca and the Spanish port of Valencia, brings to the forefront the issue of justice for victims of criminal acts at sea in international waters when under flag State jurisdiction as a matter of ocean governance.

Venezuela 'false berthings' off Trinidad further obscure oil exports. By Michelle Wiese Bockmann. *Lloyd's List*. 15 April 2019. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1127080/Venezuela-false-berthings-off-Trinidad-further-obscur-oil-exports> Venezuela's national oil company is using co-loads and "false berthings" into nearby Trinidad and Tobago to disguise cargo origins as P&I clubs warn the hardening rhetoric from the hawks in Washington could sweep non-US owners and shippers into the sanctions net.

\$329m research partnership to transform Australia's blue economy. *Australian Maritime College (AMC)*. 16 April 2019. Available from: [www.amc.edu.au/about-amc/news-and-events/news-items/\\$329m-research-partnership-to-transform-australias-blue-economy](http://www.amc.edu.au/about-amc/news-and-events/news-items/$329m-research-partnership-to-transform-australias-blue-economy) The University of Tasmania will lead the largest ever Cooperative Research Centre (CRC), bringing together expertise in seafood, renewable energy and offshore engineering to transform Australia's blue economy.

Protestors gather outside Carnival Corporation AGM in London as company's continued criminal conduct in U.S. fuels controversy. *Stand.earth*. 16 April 2019. Available from: <https://www.stand.earth/latest/markets-vs-climate/carnivals-cruise-pollution/protestors-gather-outside-carnival-corporation> As cruise ship giant Carnival Corporation held its annual general meeting (AGM) this morning at Mandarin Oriental Hyde Park in London, gas-mask wearing protesters welcomed shareholders with the somber message "Carnival pollutes" and called on the world's largest cruise operator to switch from using ultra-dirty heavy fuel oil to cleaner fuels to power its global fleet.

Ukraine lodges request with ITLOS, seeking release of 24 Ukrainian sailors in Russia. *UNIAN News Agency (Ukraine)*. 16 April 2019. Available from: <https://www.unian.info/politics/10518990-ukraine-lodges-request-with-itlos-seeking-release-of-24-ukrainian-sailors-in-russia.html> The Ukrainian side offered Russia to hold consultations in The Hague on April 23 and is awaiting a response.

Carnival environmental incidents continued under probation. By Anne Kalosh. *Seatrade Maritime News*. 17 April 2019. Available from: <http://www.seatrade-cruise.com/news/news-headlines/carnival-environmental-incidents-continued-under-probation.html> The court-appointed monitor overseeing Carnival Corp. & plc's environmental compliance reported hundreds of incidents during the first year of the company's probation after it pleaded guilty to criminally discharging oily bilge water.

Italian shipping company to pay \$4 million for concealment of pollution from vessel.

US Department of Justice. 17 April 2019. Available from: <https://www.justice.gov/usao-nj/pr/italian-shipping-company-pay-4-million-concealment-pollution-vessel> A shipping company based in Italy today admitted discharging oily waste and other pollutants into the sea and then lying about it, U.S. Attorney Craig Carpenito and Assistant Attorney General Jeffrey Bossert Clark announced.

Government of Canada announces a new maritime information system pilot project in partnership with the Maritime Aboriginal Peoples Council.

Government of Canada. 17 April 2019. Available from: <https://bit.ly/2vw4UuK> Protecting the marine environment and all users of Canada's oceans and waterways is of paramount importance.

'Global deal for nature' fleshed out with specific conservation goals. By Jeff Tollefson.

Nature. 19 April 2019. Available from: <https://www.nature.com/articles/d41586-019-01253-z> To maintain a liveable planet, governments need to protect 30% of Earth's land and sea and sustainably manage another 20%, say researchers.

As environmental standards for shipping evolve, the Hong Kong government's role should also. By Christine Loh.

South China Morning Post. 21 April 2019. Available from: <https://www.scmp.com/comment/insight-opinion/article/3006861/environmental-standards-shipping-evolve-hong-kong> For Hong Kong's shipping industry to keep pace with evolving international emissions standards will require more coordination, both among its bureaus and with the mainland.

Greek ship management company, corporate vessel owner, and Chief Engineer indicted for falsification of pollution records, obstruction of justice, and witness tampering.

US Department of Justice. 23 April 2019. Available from: <https://www.justice.gov/opa/pr/greek-ship-management-company-corporate-vessel-owner-and-chief-engineer-indicted> A federal grand jury in Wilmington, Delaware, returned a six-count indictment today charging Chartworld Shipping Corporation, Nederland Shipping Corporation, and Chief Engineer Vasileios Mazarakis with failing to keep accurate pollution control records, falsifying records, obstruction of justice, and witness tampering, the Justice Department announced.

Trump's decision to nix Iranian oil waivers weighs heavily on tankers. By Jason Jiang.

Splash 247.com. 23 April 2019. Available from: <https://splash247.com/trumps-decision-to-nix-iranian-oil-waivers-weighs-heavily-on-tankers/> The Trump administration yesterday announced that it will not renew exemptions granted last year to buyers of Iranian oil, including China, India, Japan, South Korea and Turkey, to strengthen its economic sanctions against Iran, in a move that could have severe repercussions for the tanker industry.

Coast Guard releases new Arctic Strategic Outlook. By Amy Midgett.

US Coast Guard Maritime Commons. 23 April 2019. Available from: <https://mariners.coastguard.dodlive.mil/2019/04/23/4-23-2019-coast-guard-releases-new-arctic-strategic-outlook/> The Coast Guard on Monday announced its newest strategy to address its expanding role in the Polar Regions.

Case concerning the detention of three Ukrainian naval vessels (Ukraine v. Russian Federation), Provisional Measures.

International Tribunal for the Law of the Sea (ITLOS). 24 April 2019. Available from: https://www.itlos.org/fileadmin/itlos/documents/press_releases_english/PR_281_en.pdf By Order dated 23 April 2019, the President of the Tribunal, Judge Jin-Hyun Paik, fixed 10 and 11 May 2019 as the date for the hearing in the Case concerning the detention of three Ukrainian naval vessels (Ukraine v. Russian Federation).

Govt to investigate Carnival sewage dumping revelation. Nassau Guardian (Bahamas).

24 April 2019. Available from: <https://thenassauguardian.com/2019/04/24/govt-to-investigate-carnival-sewage-dumping-revelation/> The government will undertake a "comprehensive" review into a "disturbing" report which revealed that multiple Carnival Corporation cruise ships dumped large amounts of treated sewage into Bahamian waters, Minister of Transport and Local Government Renward Wells said today in a statement.

Chile's 'Blue Cop' will push leaders to protect oceans to heal climate. By Natalie Sauer.

Climate Home News. 25 April 2019. Available from:

<https://www.climatechangenews.com/2019/04/25/chiles-blue-cop-will-push-leaders-protect-oceans-heal-climate/> Hosts of UN climate talks push ocean health up political agenda in year when IPCC scientists will deliver major report on climate link.

Punishing the polluters: why large fines are an important step towards cleaner corporations.

By Ole Pedersen. *The Conversation*. 25 April 2019. Available from:

<https://theconversation.com/punishing-the-polluters-why-large-fines-are-an-important-step-towards-cleaner-corporations-115727> Polluting the environment is a crime which can have countless victims - of numerous species and future generations.

UN report to highlight urgent need for Nature rescue plan. Agence France-Presse (AFP).

29 April 2019. Available from: <https://www.afp.com/en/news/15/un-report-highlight-urgent-need-nature-rescue-plan-doc-1fz9ak1> Diplomats from 130 nations gather in Paris from Monday to validate a grim UN assessment of the state of Nature and lay the groundwork for an 11th-hour rescue plan for life on Earth.

MARINE TECHNOLOGY

NYC Maritime Hackathon reveals frustrations of dealing with the industry's data.

By Barry Parker. *Seatrade Maritime News*. 1 April 2019. Available from: <http://www.seatrade-maritime.com/news/americas/nyc-maritime-hackathon-reveals-frustrations-of-dealing-with-the-industry-s-data.html> Teams of information scientists, just about all without any maritime backgrounds whatsoever, had met up, for the first time, on a Friday evening.

Singapore's maritime sector to tap on digitalisation for growth. By Aaron Chong.

Channel News Asia. 2 April 2019. Available from:

<https://www.channelnewsasia.com/news/singapore/singapore-maritime-sector-digitalisation-for-growth-11404156> Singapore's maritime sector is preparing to ride the wave of digitalisation as a means to further growth and navigate choppy waters, industry professionals said on Tuesday (Apr 2).

Revolutionary propeller technology developed to reduce underwater radiated noise. Hellenic

Shipping News. 3 April 2019. Available from: <https://www.hellenicshippingnews.com/revolutionary-propeller-technology-developed-to-reduce-underwater-radiated-noise/> A revolutionary new technology capable of substantially reducing the underwater radiated noise (URN) generated by ships' propeller cavitation has been developed by Strathclyde University and Oscar Propulsion, a UK-based innovation and technology transfer company.

Nautilus secures \$11M in funding, led by M12, to build artificial intelligence for ocean shipping. Nautilus Labs.

4 April 2019. Available from: https://static1.squarespace.com/static/56f59a6659827e9edf9866bd/t/5ca63b92971a1831b0c499b6/1554398098662/PressRelease_Nautilus+SeriesA_19.04.04.pdf Nautilus, the company building artificial intelligence for the maritime shipping industry, today announces \$11M in Series A funding led by M12, Microsoft's venture fund, along with Root Ventures. Existing and new investors including Quiet Capital, Trail Mix, and Amplifier Lab participated in the round, which brings Nautilus' total funding raised to \$14.5M.

LR reveals world's biggest autonomous ship project. By Gary Dixon. TradeWinds.

10 April 2019. Available from: <https://www.tradewindsnews.com/liner/1751875/lr-reveals-worlds-biggest-autonomous-ship-project> UK classification society Lloyd's Register (LR) has teamed up with two Asian partners to develop what it claims will be a "world-first" autonomous navigation systems for ships.

A growing commercial case for autonomous shipping. *Seatrade Maritime News*. 12 April 2019. Available from: <http://www.seatrade-maritime.com/news/europe/a-growing-commercial-case-for-autonomous-shipping.html> The case for autonomous ships keeps getting stronger as evidence of its commercial viability gathers pace, says One Sea eco-system lead Paivi Haikkola, who is in Singapore to attend Sea Asia 2019.

S\$650,000 Seed Funding for Start-Ups to Develop Innovative Solutions for Key Maritime Challenges. *Maritime and Port Authority of Singapore (MPA)*. 12 April 2019. Available from: <https://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/d4c77cca-9ab6-4a42-805f-4c8eb6d3a80f> The Maritime and Port Authority of Singapore (MPA) and NUS Enterprise, the entrepreneurial arm of the National University of Singapore (NUS), today announced that 13 out of the 17 technology start-ups from the Smart Port Challenge (SPC) 2018 will each receive S\$50,000 in seed funding from MPA.

Sulphur-sniffing drone to patrol Danish waters. *Danish Maritime Authority*. 12 April 2019. Available from: https://www.dma.dk/Presse/Nyheder/Sider/-Sulphur_sniffing-drone-to-patrol-Danish-waters.aspx In the coming months, a large drone will check emissions from ships in Danish waters to make sure they comply with the sulphur limit.

Scrubber uptake, orders nearly double in six months to April: DNV GL. **By Leon Izbicki, Tom Washington, and Arthur Richier.** *S&P Global Platts*. 15 April 2019. Available from: <https://www.spglobal.com/platts/en/market-insights/latest-news/shipping/041519-scrubber-uptake-orders-nearly-double-in-six-months-to-april-dnv-gl> The number of ships in operation or on order with scrubbers fitted has nearly doubled over the past six months to 3,229, according to DNV GL, the Norwegian accredited registrar and classification society.

New drones check ships for cracks and rust. **By Idun Haugan.** *Norwegian University of Science and Technology (NTNU)*. 16 April 2019. Available from: <https://geminiresearchnews.com/2019/04/new-drones-check-ships-for-cracks-and-rust/> Inspecting ship tanks and storage spaces underwater is a challenging task for humans.

Scrubber realities: The ship operator perspective. **By Charis Plakantonaki.** *Safety4Sea*. 17 April 2019. Available from: <https://safety4sea.com/cm-scrubber-realities-the-ship-operator-perspective/> During her presentation at the last GREEN4SEA Conference, Ms. Charis Plakantonaki, Chief Strategy Officer, Star Bulk, talked about the reality regarding scrubbers.

MARITIME EDUCATION & TRAINING

Urgent need to automate and standardize onboard training. **By Ahmed Youssef.** *Maritime Executive*. 3 April 2019. Available from: <https://www.maritime-executive.com/blog/urgent-need-to-automate-and-standardize-onboard-training> Maritime academies and universities contribute to the development of human resources, and the introduction of sophisticated computing systems and advanced equipment plays an important role in delivering the syllabus.

Sea time training: MAN trains 24,000 cadets in 16 yrs. **By Godfrey Bivbere.** *Vanguard (Nigeria)*. 3 April 2019. Available from: <https://www.vanguardngr.com/2019/04/sea-time-training-man-trains-24000-cadets-in-16-yrs/> Over 24,000 cadets who have graduated from the Maritime Academy of Nigeria, MAN, Oron in Akwa Ibom state in the last 16 years have been without the opportunity of completing their sea time training that would have qualified them as seafarers.

Maritime University appeals to IMO for training vessel. By Kodjo Adams and Emmanuel Tood.

Ghana News Agency. 4 April 2019. Available from:

<http://www.ghananewsagency.org/social/maritime-university-appeals-to-imo-for-training-vessel-147931>

The Management of the Regional Maritime University (RMU) has appealed to the International Maritime Organization to assist the University to acquire a training vessel and a full-mission bridge simulator to expose the students to hands-on practical.

Tackling the talent crunch in maritime. Seatrade Maritime News. 9 April 2019. Available from:

<http://www.seatrade-maritime.com/news/asia/tackling-the-talent-crunch-in-maritime.html> Even as the maritime industry moves to keep up with the pace of technological change, hiring and keeping talent has been a challenge.

\$8.88 million funding to train and upskill seafarers under specialised courses. Government of Singapore. 10 April 2019. Available from:

https://www.gov.sg/resources/sqpc/media_releases/mpa/press_release/P-20190410-2 The Maritime and Port Authority of Singapore (MPA), together with Employment and Employability Institute (e2i) and partner companies, has pledged a total \$8.88 million to extend funding for the Certificate of Competency (CoC) Class 5 (Special Limit) programmes until 2021.

New, state-of-the-art facility for PH seamen. By Raffy Ayeng. Manila Times. 17 April 2019.

Available from: <https://www.manilatimes.net/new-state-of-the-art-facility-for-ph-seamen/541425/>

One of the world's leading cruise company, Norwegian Cruise Line Holdings Ltd., announces its plans to put up new, state-of-the-art training facility in the Philippines to attract and train top talent to meet staffing demand and growth.

14 Seafarers from Carriacou and Petite Martinique engaged in STCW Training. Grenada

Broadcasting Network. 25 April 2019. Available from: <http://gbn.gd/14-seafarers-from-carriacou-and-petite-martinique-engaged-in-stcw-training/> A total of 25 Grenadians were chosen to participate in the standards of training, certification and watch keeping programme in neighbouring Trinidad.

CASA highlights importance of maritime education and training. Daily FT (Sri Lanka).

29 April 2019. Available from: <http://www.ft.lk/shippingaviation/CASA-highlights-importance-of-maritime-education-and-training/21-677143> Maritime education and training is a vital element in the journey to make Sri Lanka a maritime hub.

Nigeria Maritime University: A catalyst for economic diversification and revenue generation.

By Yusuf Babalola. Leadership (Nigeria). 28 April 2019. Available from:

<https://leadership.ng/2019/04/27/nigeria-maritime-university-a-catalyst-for-economic-diversification-and-revenue-generation/> Shipping is a global business and money spinner for countries who set its priorities right and take advantage of the opportunities in the sector.

MARITIME SAFETY

Dramatic Viking Sky rescue a wake-up call for Arctic cruises. France 24. 27 March 2019.

Available from: <https://www.france24.com/en/20190327-dramatic-viking-sky-rescue-wake-call-arctic-cruises> What would happen if a cruise liner suddenly found itself without power in the middle of the Arctic?

Safety and Environment are not contradictory paradigms. By Jad Mouawad. Safety4Sea.

5 April 2019. Available from: <https://safety4sea.com/cm-safety-and-environment-are-not-contradictory-paradigms/> During his presentation at the inaugural SAFETY4SEA Conference in London, Jad Mouawad, CEO, Mouawad Consulting, referred to BWMC Implementation Challenges with respect to retrofit, supervision, installation, training and commissioning/re-commissioning of a BWMS.

An In-depth look at Viking's LifeCraft. By Allan E.Jordan. *Maritime Executive*. 13 April 2019. Available from: <https://www.maritime-executive.com/article/an-in-depth-look-at-viking-s-lifecraft> Viking Life-Saving Equipment is introducing a unique new approach for lifeboats that it believes will offer strong advantages for mid- to large-sized passenger vessels.

Tougher action urged on misdeclaration of cargoes. By Vincent Wee. *Lloyd's List*. 15 April 2019. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1127075/Tougher-action-urged-on-misdeclaration-of-cargoes> From the P&I Clubs' perspective, the majority of casualties have a human error and/or human influence element to them, and the latter case is true especially when it comes to container fires among dangerous goods cargo.

ABS teams with industry leaders to improve container vessel safety. *American Bureau of Shipping*. 17 April 2019. Available from: <https://ww2.eagle.org/en/news/press-room/container-vessel-safety.html> ABS and representatives from the Cargo Incident Notification System (CINS) form a joint industry project to develop best practices for carriage of dangerous goods.

Time to put lashing in safe hands. *International Transport Workers' Federation (ITF)*. 24 April 2019. Available from: <https://www.itfglobal.org/en/news/time-put-lashing-safe-hands> There's a reason why lashing is dockers work: it's hazardous and requires specific and comprehensive training.

The silent and invisible killer onboard vessels. *Gard*. 25 April 2019. Available from: www.gard.no/web/updates/content/27513832/the-silent-and-invisible-killer-onboard-vessels Accidents in enclosed spaces onboard vessels continue to be a source of serious injuries and fatalities.

Herald of Free Enterprise: A wake-up call for Ro-Ro safety. *Safety4Sea*. 25 April 2019. Available from: <https://bit.ly/2VofmTM> 32 years have passed since the capsizing of *Herald of Free Enterprise*, only a few minutes after leaving the Belgian port of Zeebrugge on the night of 6th March 1987, killing 193 people onboard.

Canaries in the cargo hold: dockers and seafarers dying in confined spaces on the rise. *International Transport Workers' Federation (ITF)*. 26 April 2019. Available from: <https://www.itfglobal.org/en/news/canaries-cargo-hold-dockers-and-seafarers-dying-confined-spaces-rise> Workers need a minimum of two things from the air in their workplace: that it's safe to breathe and that it doesn't explode and kill them.

Will Stellar Daisy lessons be learned too late? By Nidaa Bakhsh. *Lloyd's List*. 26 April 2019. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1127188/Will-Stellar-Daisy-lessons-be-learned-too-late> Will the lessons learned from the sinking of the very large ore carrier *Stellar Daisy* simply be too late to make a difference?

MARITIME SECURITY

US applies conditions of entry to ships visiting Seychelles. *World Maritime News*. 1 April 2019. Available from: <https://worldmaritimeneeds.com/archives/274160> The United States Coast Guard (USCG) is to impose conditions of entry on vessels arriving in US waters from ports in the Republic of Seychelles.

Two HK shipping lines hacked within five minutes of 'casual' online browsing. **By Sam Chambers.** *Splash 247.com*. 2 April 2019. Available from: <https://splash247.com/two-hk-shipping-lines-hacked-within-five-minutes-of-casual-online-browsing/> Shipping's poor cyber defences have been displayed once again with news two Hong Kong shipping lines had their passwords hacked easily.

12 arrested for smuggling cocaine on a cruise ship. *Maritime Executive*. 2 April 2019.

Available from: <https://www.maritime-executive.com/article/12-arrested-for-smuggling-cocaine-on-a-cruise-ship> Portuguese and British police have arrested 12 people on suspicion of drug smuggling after finding about 18 kilos of cocaine in luggage aboard the cruise ship *MSC Opera*.

Windward raises questions over migrant 'hijacking' of ship. By Adam Corbett. *TradeWinds*.

3 April 2019. Available from: <https://www.tradewindsnews.com/casualties/1745053/windward-raises-questions-over-migrant-hijacking-of-ship> A shipping data technology company says questions need to be asked about last week's hijacking of a bunkering vessel in the Mediterranean.

How shipping is so vulnerable to hackers. *Splash 247.com*. 9 April 2019. Available from:

<https://splash247.com/how-shipping-is-so-vulnerable-to-hackers/> A week ago Splash reported how consultant Captain Ozgur Dogan Gunes had been able to hack into two Hong Kong shipping lines' IT systems with just five minutes of casual online browsing.

ReCAAP ISC Piracy and Sea Robbery Conference 2019 Updates International Maritime Community on Current Situation in Asia and Africa. *ReCAAP*. 9 April 2019. Available from:

http://www.recaap.org/resources/ck/files/news/2019/ReCAAP_ISC_Piracy_Conference_2019_Joint_News_Release_FINAL.pdf ReCAAP Information Sharing Centre today held its annual Piracy and Sea Robbery Conference to an audience of international maritime stakeholders including shipping and marine insurance companies, regulators and law enforcement agencies, as well as the diplomatic community based in Singapore

NIMASA, PFSO debunk recent report on port security. By Godwin Oritse. *Vanguard (Nigeria)*.

10 April 2019. Available from: <https://www.vanguardngr.com/2019/04/nimasa-pfso-debunk-recent-report-on-port-security/> Contrary to media reports on the poor maritime security arrangement in the Nigerian port industry, by the United States Coast Guard, the Port Facility Security Officers, PFSO Forum, and Nigerian Maritime Administration and Safety Agency has faulted the report.

Caribbean Development Bank supporting maritime security project of Regional Security System. *Caribbean Development Bank (CDB)*. 12 April 2019. Available from:

<https://www.caribank.org/newsroom/news-and-events/caribbean-development-bank-supporting-maritime-security-project-regional-security-system> Collaboration is essential for Caribbean countries in their efforts to strengthen maritime security so as to protect citizens and unlock the potential of the blue economy.

GMA partners IMO to improve maritime security. *Business Ghana*. 14 April 2019. Available from:

<https://www.businessghana.com/site/news/general/185390/GMA-partners-IMO-to-improve-maritime-security> The Ghana Maritime Authority (GMA) has collaborated with the International Maritime Organisation (IMO) to develop a national strategy to strengthen maritime security in the country.

Vigilance on the high seas. By Matthew West. *Pacific Islands News Association (PINA)*.

14 April 2019. Available from:

<http://www.pina.com.fj/index.php?p=pacnews&m=read&o=3728060445cb4044d55b75243f61ca>

Oceania represents a geographic region many people are unfamiliar with, comprising Australasia, Melanesia, Micronesia, and Polynesia.

Maritime cyber-crime under the spotlight. By James Baker. *Lloyd's List*. 18 April 2019.

Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1127142/Maritime-cybercrime-under-the-spotlight> The maritime sector is unprepared to deal with cyber-security issues, according to a new report from a leading international law firm.

Nigeria arrests maritime security team over firearms possession - Update. By Mike Schuler.

gCaptain. 19 April 2019. Available from: <https://gcaptain.com/maritime-security-team-arrested-nigeria/> The Nigerian Navy has arrested nine people including one American for possession of firearms in what the Navy claimed was Nigerian waters.

Root of maritime crime 'must be addressed,' says Saudi Border Guards chief.

Arab News (Saudi Arabia). 25 April 2019. Available from:

<http://www.arabnews.com/node/1487631/saudi-arabia> The head of the Saudi Border Guards has warned that maritime security in the Red Sea and elsewhere can only be achieved if the root of piracy and maritime crime are addressed.

Singapore, South Korea to co-host maritime security exercise. By Timothy Goh. *Straits Times*.

29 April 2019. Available from: <https://www.straitstimes.com/singapore/spore-s-korea-to-co-host-maritime-security-exercise> A major maritime security field training exercise organised by Singapore and South Korea will start tomorrow.

MIGRANTS

Mediterranean migrant arrivals reach 12,174 in 2019; Deaths reach 356. *International*

Organization for Migration (IOM). 5 April 2019. Available from:

<https://www.iom.int/news/mediterranean-migrant-arrivals-reach-12174-2019-deaths-reach-356>

The International Organization for Migration (IOM) reports that 12,174 migrants and refugees have entered Europe by sea through 3 April.

Malaysia says 200 Rohingya migrants still at sea after latest arrival. By Rozanna Latiff.

Reuters. 8 April 2019. Available from: <https://uk.reuters.com/article/uk-myanmar-rohingya-malaysia/malaysia-says-200-rohingya-migrants-still-at-sea-after-latest-arrival-idUKKCN1RK0ED>

Malaysian authorities on Monday were on the lookout for boats believed to be carrying up to 200 Rohingya after dozens of migrants were found near a beach in the country's north.

Stranded migrant boat appeals to Europe for port after eight days at sea. By Angelo Amante.

Reuters. 11 April 2019. Available from: <https://uk.reuters.com/article/uk-europe-migrants-malta/stranded-migrant-boat-appeals-to-europe-for-port-after-eight-days-at-sea-idUKKCN1RN1HV>

A charity ship with scores of African migrants on board appealed to European states for a safe port on Thursday after being stranded for eight days between Malta and Italy, saying the health of the rescued people was worsening.

Spain reluctantly allows *Open Arms* to leave port with aid supplies for migrants.

The Local (Spain). 17 April 2019. Available from: <https://www.thelocal.es/20190417/spain-allows-open-arms-to-leave-port-with-aid-supplies-for-migrants>

Rescue charity ship *Open Arms* received the green light to set sail from the port of Barcelona on Wednesday but will not be allowed to return to the central Mediterranean to save migrants.

More than 30 migrants picked up by UK Border Force after crossing English Channel in boats. *ITV News*. 22 April 2019. Available from: <https://www.itv.com/news/2019-04-22/border-force-intercepts-three-boats-with-36-on-board-in-english-channel/>

A total of 36 suspected illegal immigrants have been intercepted in the English Channel by the Border Force as they attempted to reach the UK.

NAVIGATION & COMMUNICATIONS

Fujitsu and Maritime and Port Authority of Singapore determine effectiveness of AI Ship collision risk prediction technology. *Fujitsu Limited*. 2 April 2019. Available from: <https://www.fujitsu.com/global/about/resources/news/press-releases/2019/0402-01.html> Fujitsu Limited today announced the results of a field trial conducted with the assistance of the Maritime and Port Authority of Singapore (MPA) in analyzing marine traffic risks in the Singapore Strait.

Post-Exxon Valdez escorting practices a template for industry. By Martyn Wingrove. *Tug Technology & Business*. 2 April 2019. Available from: https://www.tugtechnologyandbusiness.com/news/view,the-iexxon-valdezi-best-practice-guide-to-escorting-a-tanker_57376.htm After the 1989 oil spill, escort practices improved and have helped protect Alaska from further disasters, but are the lessons being adopted worldwide?

Anxious Russian ministry says billions are needed for Arctic buildup. By Charles Digges. *Bellona Foundation*. 2 April 2019. Available from: <https://bellona.org/news/arctic/2019-04-anxious-russian-ministry-says-billions-are-needed-for-arctic-buildup> Russia's Ministry of Natural Resources has calculated that the Arctic needs some \$160 billion of new investment to realize a presidential demand to ratchet up shipping traffic through the Northern Sea Route, a new report shows.

Seaspan completes rollout of KVH VSAT connectivity for global container ship fleet. *KVH Industries*. 4 April 2019. Available from: <https://bit.ly/2GTphsj> KVH's solution is critical to maritime operations, business applications, and crew welfare for the 107 vessels.

First Joint e-Navigation Workshop between MPA and IALA. *Government of Singapore*. 8 April 2019. Available from: https://www.gov.sg/resources/sGPC/media_releases/mpa/press_release/P-20190408-1 The Maritime and Port Authority of Singapore (MPA) is co-organising a workshop with the International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA) to support the operationalisation of e-navigation solutions, the first since Singapore's election to the IALA Council in 2018.

Microbes in ballast water show where a ship came from. By Bradley van Paridon. *Hakai Magazine*. 8 April 2019. Available from: <https://www.hakaimagazine.com/news/microbes-in-ballast-water-show-where-a-ship-came-from/> A rapid scan of the environmental DNA in ballast water can show whether ships are following rules meant to prevent the spread of invasive species and disease.

"Magic Pipe" MARPOL violations can be spotted from space. *Maritime Executive*. 8 April 2019. Available from: <https://www.maritime-executive.com/article/magic-pipe-marpol-violations-can-be-spotted-from-space> Environmental monitoring organization SkyTruth watches for illegal activity using satellite data, and over the past several years, they've made it clear that "magic pipe" bilge water disposal can no longer be hidden at sea.

How to keep satcoms cyber secure. By Ed Martin. *Maritime Digitalisation & Communications*. 11 April 2019. Available from: https://www.marinemec.com/news/view,how-to-keep-satcoms-cyber-secure_57488.htm Digitalisation of the maritime sector is continuing apace, and everyone from deck crew to the board of directors feels the benefits of increased connectivity in areas ranging from equipment maintenance, fuel consumption, navigation, crew welfare and more, with the subsequent positive effects these have on a company's costs.

Protecting the North Atlantic right whale: Speed restriction measures in the Gulf of St. Lawrence. *Government of Canada*. 11 April 2019. Available from: <http://www.tc.gc.ca/eng/marinesafety/bulletins-2019-07-eng.htm> Due to changing migration of North Atlantic right whales and their increased presence in the Gulf of St. Lawrence, the Government of Canada has established seasonal speed restrictions in a specific zone.

U.S. Coast Guard employs drone to inspect new ATON structures. *US Coast Guard Compass.* 15 April 2019. Available from: <https://coastguard.dodlive.mil/2019/04/u-s-coast-guard-employs-drone-to-inspect-new-aton-structures/> U.S. Coast Guard Civil Engineering Unit Providence, Rhode Island, piloted a short range Unmanned Aerial System to inspect the construction of new Aids to Navigation structures.

GPS spoofing: what's the risk for ship navigation? By Chris Lo. *Ship-Technology.com.* 15 April 2019. Available from: <https://www.ship-technology.com/features/ship-navigation-risks/> GPS spoofing – or GNSS spoofing more accurately – is a much-discussed cyber-threat to ship navigation systems.

Five change drivers in UK towage. By Martyn Wingrove. *Tug Technology & Business.* 16 April 2019. Available from: https://www.tugtechnologyandbusiness.com/news/view,five-drivers-to-impact-uk-towage_57521.htm Discussions at the British Tugowners Association conference highlight five key issues operators face in the coming 12 months.

Four technologies that will transform maritime satcoms. By Martyn Wingrove. *Maritime Digitalisation & Communications.* 16 April 2019. Available from: https://www.marinemec.com/news/view,four-technologies-that-will-transform-maritime-satcoms_57528.htm Rapid advances in maritime technologies in recent decades have changed the face of maritime communications and will continue to transform shipowner and shipmanager operations and the lives of seafarers in the near term.

Historic public services agreement signed as Iridium continues readying GMDSS services for launch. *Iridium Communications Plc.* 16 April 2019. Available from: <http://investor.iridium.com/2019-04-16-Historic-Public-Services-Agreement-Signed-as-Iridium-Continues-Readying-GMDSS-Services-for-Launch> International Mobile Satellite Organization and Iridium continue progress towards Iridium's January 2020 GMDSS Debut.

Southeast Alaska pilots raise concerns over *Royal Princess* megaship. By Jacob Resneck. *Alaska Public Media.* 22 April 2019. Available from: <https://www.alaskapublic.org/2019/04/22/southeast-alaska-pilots-raise-concerns-over-royal-princess-megaship/> As cruising gets more popular in Alaska, the size of the ships has increased.

Liabilities arising under the Turkish Straits clauses. *Skuld.* 25 April 2019. Available from: <https://www.skuld.com/topics/ship/navigation/liabilities-arising-under-the-turkish-straits-clauses/> The Turkish Straits are among the busiest waterways in the world.

Suspicion of illegal ship-to-ship transfers of goods by YU SON, North Korean-flagged tanker, and a small vessel of unknown nationality (March 20, 2019). *Government of Japan.* 25 April 2019. Available from: https://www.mofa.go.jp/np/np/page4e_001009.html In the morning of March 20, 2019, a JS 'Oyodo' (Escort Division 15: Ominato) of Japan Maritime Self-Defense Force found that YU SON (IMO number: 8691702), North Korean-flagged tanker, was lying alongside a vessel of unknown nationality on which '*****' is indicated on the high seas (around 400km southern offshore of Shanghai) in the East China Sea.

More regular-speed areas in St. Lawrence right whale protection zone. By Anne Kalosh. *Seatrade Cruise News.* 26 April 2019. Available from: <http://www.seatrade-cruise.com/news/news-headlines/more-regular-speed-areas-in-2019-st-lawrence-right-whale-protection-zone.html> Canada's measures for protecting the highly endangered North Atlantic right whale from ship strikes in the Gulf of St. Lawrence have been fine-tuned, following consultation with industry and based on scientific data.

Study stresses major concerns on ECDIS safety. *Safety4Sea*. 27 April 2019. Available from: <https://safety4sea.com/study-stresses-major-concerns-on-ecdis-safety/> A year-long research project carried out by the UK and Danish marine investigation authorities has highlighted major concerns over the design and operation of ECDIS and significant shortfalls in the way in which seafarers are training to use the systems.

PIRACY

Tackling piracy : EU's role crucial for maritime security in the Horn of Africa. *European Union*. 1 April 2019. Available from: <https://eeas.europa.eu/headquarters/headquarters-homepage/60439> A group of Somali pirates hijacked an oil tanker off the coast of Somalia with eight sailors on board.

Maersk Alabama hijacking: Ten years later, could it happen again? *gCaptain*. 2 April 2019. Available from: <https://gcaptain.com/maersk-alabama-hijacking-anniversary/> Next Tuesday, April 9, marks the 10th anniversary of the hijacking of the U.S.-flagged freighter *Maersk Alabama*.

Pirates kidnap four boxship crewmembers in Gulf of Guinea. *Maritime Executive*. 2 April 2019. Available from: <https://www.maritime-executive.com/article/pirates-kidnap-four-boxship-crewmembers-in-gulf-of-guinea> Four crewmembers from the container feeder *Contship Oak* have been kidnapped off the coast of Cameroon, vessel operator Contship has confirmed.

Maritime piracy incidents down in Q1 2019 but kidnapping risk in Gulf of Guinea persists. *ICC International Maritime Bureau (IMB)*. 8 April 2019. Available from: <https://bit.ly/2vCH7tr> The International Chamber of Commerce International Maritime Bureau's (IMB) report for the first quarter of 2019 reveals fewer incidents of piracy and armed robbery against ships than the first three months of 2018.

Video: Spanish navy rescues seafarers from Nigerian pirates. *Maritime Executive*. 15 April 2019. Available from: <https://www.maritime-executive.com/article/video-spanish-navy-rescues-seafarers-from-nigerian-pirates> On April 9, the crew of the Spanish Navy patrol vessel *Serviola* successfully rescued the crew of a Nigerian merchant vessel from a gang of pirates.

Nigerian pirates open fire on anchored product tanker. *Maritime Executive*. 17 April 2019. Available from: <https://maritime-executive.com/article/nigerian-pirates-open-fire-on-anchored-product-tanker> On Monday, Nigerian pirates staged a daring attack on a product tanker at an anchorage in the Niger River Delta.

Piracy: The cheery news from IMB. By Enyeribe Anyanwu. *Ships & Ports*. 22 April 2019. Available from: <http://shipsandports.com.ng/piracy-the-cheery-news-from-imb/> A fortnight ago, the International Maritime Bureau (IMB), a specialized department of the International Chamber of Commerce, released its report for the first quarter of 2019, showing an increased level of safety in the Nigerian maritime domain.

Piracy attack off the coast of Somalia. *EU NAVFOR Somalia*. 23 April 2019. Available from: <https://eunavfor.eu/piracy-attack-off-the-coast-of-somalia/> On 21 April, fishing vessels *FV Adria* and *FV Txori Argi* were attacked by suspected pirates in the Indian Ocean, 280 NM off the coast of Somalia.

Pirates attack ship in Bonny, kidnap six sailors. By Jite Eriabie. *Ships & Ports*. 25 April 2019. Available from: <https://shipsandports.com.ng/pirates-attack-ship-in-bonny-kidnap-six-sailors/> Sea pirates in Nigeria's Niger Delta region have kidnapped six sailors who were crew members of a Palau-flagged tanker ship at the Bonny Outer Anchorage, according to the International Maritime Bureau (IMB) Piracy Reporting Centre (PRC).

Tug and barge owners warned over Singapore piracy spike. By Dale Wainwright. *TradeWinds*. 29 April 2019. Available from: <https://www.tradewindsnews.com/casualties/1766277/tug-and-barge-owners-warned-over-singapore-piracy-spike> Four incidents in westbound lane of the traffic separation scheme since February, says ReCAAP.

PORT STATE CONTROL

Cayman hosts Port State Control Seminar. *Caymanian Times*. 10 April 2019. Available from: <http://www.caymaniantimes.ky/CAYMAN-HOSTS-PORT-STATE-CONTROL-OFFICERS-SEMINAR> The Cayman Islands has been designated to host the 11th annual Port State Control Officer's Seminar as well as the 6th annual On-the-Job Training Programme (OJT) for the Caribbean Memorandum of Understanding (CMOU) on Port State Control (PSC).

PSC Focus: Performance of Mediterranean MoU. *Safety4Sea*. 11 April 2019. Available from: <https://safety4sea.com/cm-psc-focus-performance-of-mediterranean-mou/> The Med MoU involves ten Member States: Algeria, Cyprus, Egypt, Israel, Jordan, Lebanon, Malta, Morocco, Tunisia and Turkey.

Annual report on port state control in the Asia-Pacific region 2018. *Tokyo MoU*. 23 April 2019. Available from: www.tokyo-mou.org/doc/ANN18-web.pdf December 2018 marked the 25th anniversary of the signing of the Asia-Pacific Memorandum of Understanding on port State control (the Tokyo MOU).

PORTS & HARBOURS

Cargo throughput in ports of Latin America and the Caribbean rose 7.7% in 2018. *Economic Commission for Latin American and the Caribbean (ECLAC)*. 3 April 2019. Available from: <https://www.cepal.org/en/pressreleases/cargo-throughput-ports-latin-america-and-caribbean-rose-77-2018> Container throughput in ports of Latin America and the Caribbean increased by 7.7% in 2018 in comparison with the previous year, according to data released today by ECLAC. [Infographic](#)

Port entry conditions imposed by US coastguards will not affect Seychelles, says SPA chairman. *Seychelles Nation*. 4 April 2019. Available from: <http://www.nation.sc/article.html?id=262957> Following an article which has been circulating on social media platforms which states that the United States Coast Guard (USCG) is to impose conditions of entry on vessels arriving in US waters from the Republic of Seychelles, the Seychelles Ports Authority yesterday clarified the situation.

UKMPG Blog: Making the right connections: Ensuring the UK has the right energy infrastructure for clean maritime leadership. By Tim Morris. *United Kingdom Major Ports Group*. 4 April 2019. Available from: <http://ukmajorports.org.uk/ukmpg-blog-making-the-right-connections-ensuring-the-uk-has-the-right-energy-infrastructure-for-clean-maritime-leadership/> Maritime's transition to a zero emissions future will necessitate seismic change, and much of the press coverage so far has focused directly on shipping itself, including ultra-low sulphur fuels, scrubbers, shoreside power, LNG and other developments.

Exploring challenges and opportunities for small and medium ports in Jurmal. *Baltic Ports Organization (BPO)*. 4 April 2019. Available from: www.bpoports.com/exploring-challenges-and-opportunities-for-small-and-medium-ports.html The Baltic Ports Organization (BPO) presented its approach to international cooperation and efficient exchange of best practices at the „Development of sustainable maritime economy“ conference, held in Jurmala, Latvia, on 3-4 April 2019.

Women in Ports Mentoring Program launched by IAPH Women's Forum. *Hellenic Shipping News*. 5 April 2019. Available from: <https://www.hellenicshippingnews.com/women-in-ports-mentoring-program-launched-by-iaph-womens-forum/> The board of the International Association of Ports and Harbors (IAPH) has recently announced the allocation of a budget fund of USD 10,000 to develop a Women in Ports Mentoring Program designed to attract, empower and retain female talent in the industry.

Djibouti: Building Africa's shipping centre. *BBC News*. 5 April 2019. Available from: <https://www.bbc.co.uk/news/business-47803765> A tiny coastal nation in the Horn of Africa hopes it can one day become the heart of shipping on the continent.

Overlapping port limit claims suspended by Singapore and Malaysia. *Channel News Asia*. 8 April 2019. Available from: <https://www.channelnewsasia.com/news/singapore/overlapping-port-limit-claims-suspended-by-singapore-and-11421458> Singapore and Malaysia have both suspended their overlapping port limit claims, as part of measures to ease tensions between the two neighbours in a maritime dispute.

Gothenburg Port Authority launches bunkering app. *Port of Gothenburg*. 8 April 2019. Available from: <https://www.portofgothenburg.com/news-room/press-releases/gothenburg-port-authority-launches-bunkering-app/> Last week, the Gothenburg Port Authority launched a digital solution designed to make bunkering at the Energy Port easier and more efficient.

Brexit fog worse than no-deal risk - Belgian port chief. *By Clare Roth. Reuters*. 9 April 2019. Available from: <https://uk.reuters.com/article/uk-britain-eu-zeebrugge/brexit-fog-worse-than-no-deal-risk-belgian-port-chief-idUKKCN1RL1WB> Uncertainty over Britain's departure from the European Union is worse than the prospect of a "no deal" Brexit just days away, according to the head of the port of Zeebrugge.

Rotterdam is concerned about reports of bunker problems. *By Tomas Kristiansen and Niklas Krigslund. ShippingWatch*. 10 April 2019. Available from: <https://shippingwatch.com/secure/Ports/article11311878.ece> The Port of Rotterdam is considering mass flow meters as one of several measures to combat bunker problems, says a spokesperson from the port after several shipping companies told ShippingWatch that they are experiencing problems with undersupply.

ISSA calls on IMO member states to act over unfair Port Access practices. *International Shippers & Services Association (ISSA)*. 11 April 2019. Available from: <http://shippersupply.org/2019/news/issa-calls-on-imo-member-states-to-act-over-unfair-port-access-practices> The International Shippers & Services Association (ISSA) has taken the issue of unfair port access practices levied against its members to the international stage by delivering a verbal intervention on the issue at the International Maritime Organisation (IMO).

Dublin Port sets new container charges to make space for Brexit. *By Simon Carswell. Irish Times*. 11 April 2019. Available from: <https://www.irishtimes.com/news/ireland/irish-news/dublin-port-sets-new-container-charges-to-make-space-for-brexit-1.3856123> Dublin Port is halving the time it will allow shipping containers to be held for free and doubling charges for subsequent storage in order to increase space for Brexit.

Mombasa youth back port deal, blue economy in hope for jobs. *By Patrick Beja. Standard Digital (Kenya)*. 15 April 2019. Available from: <https://www.standardmedia.co.ke/article/2001320984/youths-back-port-terminal-deal-on-promise-of-sea-jobs> A youth group has backed a Government deal to transfer operations at the country's second container terminal to a shipping company.

New license to combat bunker problems in Rotterdam. By Niklas Krigslund. *ShippingWatch*. 15 April 2019. Available from: <https://shippingwatch.com/secure/Services/article11322201.ece>
The Dutch shipowners have for years been working to introduce a new licensing scheme in order to resolve the bunker problems in Rotterdam.

BP, Nouryon and Port of Rotterdam partner on green hydrogen study. *Port of Rotterdam*. 15 April 2019. Available from: <https://www.portofrotterdam.com/en/news-and-press-releases/bp-nouryon-and-port-of-rotterdam-partner-on-green-hydrogen-study> BP, Nouryon (formerly AkzoNobel Specialty Chemicals), and the Port of Rotterdam have joined forces to explore the opportunity of making "green hydrogen" via water electrolysis for BP's refinery in Rotterdam, the Netherlands, which has the potential for significant reductions in CO2 emissions.

Port of L.A. automation vote is delayed after dockworkers protest. By Margot Roosevelt. *Los Angeles Times*. 16 April 2019. Available from: <https://www.latimes.com/business/la-fi-los-angeles-port-truck-automation-20190416-story.html> Facing a crowd of more than 1,200 protesting dockworkers, the Port of Los Angeles' Harbor Commission delayed a decision Tuesday over whether to open the way to automation in North America's largest terminal — a dispute involving jobs, clean air and Southern California's dominance as an import gateway to U.S. shoppers.

Greece's Piraeus port takes measures to tackle environmental issues. *Hellenic Shipping News*. 23 April 2019. Available from: <https://www.hellenicshippingnews.com/greeces-piraeus-port-takes-measures-to-tackle-environmental-issues/> Greece's major port of Piraeus is taking measures to address the sources of pollution from ships and industrial activities in the area, the Piraeus Port Authority S.A. (PPA) has said.

Sustainability and digitalisation dominate the Smart Ports Summit. By Adele Berti. *Ship-Technology.com*. 23 April 2019. Available from: <https://www.ship-technology.com/features/smart-ports-summit/> As the maritime industry works to become increasingly digital and more sustainable, the Smart Ports Summit held in London in February provided a useful platform for debate over what the future looks like for ports.

North Sea Agreement important for ports. *Port of Rotterdam*. 23 April 2019. Available from: <https://www.portofrotterdam.com/en/news-and-press-releases/north-sea-agreement-important-for-ports> The Port of Rotterdam Authority considers it vital that the North Sea Consultation works towards a North Sea Agreement in the coming six months.

Funding to increase and diversify port-based services across the UK. *Seafarers UK*. 23 April 2019. Available from: <https://www.seafarers.uk/news/funding-to-increase-and-diversify-port-based-services-across-the-uk/> Seafarers UK has awarded a £110,000 grant to Mission to Seafarers to increase and diversify port-based services for seafarers across the UK.

Transport, Climate Change Ministries team up to combat waste dumping at ports. By Lazareen Thaveethu Moses. *Malay Mail (Malaysia)*. 24 April 2019. Available from: <https://www.malaymail.com/news/malaysia/2019/04/24/transport-climate-change-ministries-team-up-to-combat-waste-dumping-at-port/1746470> Minister of Transport Anthony Loke said today that his ministry will work closely with the Ministry of Energy, Science, Technology, Environment and Climate Change (Mestec) to ensure Malaysian ports do not become a dumping ground for plastic waste.

Bunker supplier temporarily banned from world's biggest port. By Christian Carlsen. *ShippingWatch*. 29 April 2019. Available from: <https://shippingwatch.com/secure/Services/article11345272.ece> Port authorities have temporarily banned a bunker supplier from operating in the world's biggest bunker port following inspection.

REGULATIONS

Oil traders wait to assess impact of IMO regulations. By John Kemp. *Reuters*. 27 March 2019. Available from: <https://uk.reuters.com/article/uk-shipping-imo-kemp/column-oil-traders-wait-to-assess-impact-of-imo-regulations-idUKKCN1R81O6> If oil traders and consumers are worried about the impact of new maritime fuel regulations from the start of next year, they have not yet started to mark up prices for low-sulphur middle distillate fuels.

Sulfur regulations may trigger new crashes and acquisitions in the container industry. By Christian Carlsen. *ShippingWatch*. 1 April 2019. Available from: <https://shippingwatch.com/secure/carriers/Container/article11291335.ece> The coming 2020 requirements may break container carriers and trigger a new wave of acquisitions or mergers, according to maritime and supply chain consultancy firm Drewry.

"Sulfur regulations seem like a fine business for cheaters". By Tomas Kristiansen. *ShippingWatch*. 1 April 2019. Available from: <https://shippingwatch.com/secure/carriers/Bulk/article11291040.ece> If fines for violating sulfur regulations are not raised, and control on the docks and at sea is not strengthened, then "it looks like it could be good business to cheat," says Ultrabulk CEO Per Lange nine months before the new environmental policies take effect.

IMO 2020: Nigeria and impending freight hikes. By Enyeribe Anyanwu. *Ships & Ports*. 2 April 2019. Available from: <http://shipsandports.com.ng/imo-2020-nigeria-impending-freight-hikes/> January 1, 2020 will mark the full implementation of the International Maritime Organisation (IMO) 2020 regulations reducing sulfur oxide emission from 3.5 percent m/m to 0.5 percent m/m.

ClassNK provides support with the 2020 sulphur cap. *ClassNK*. 2 April 2019. Available from: https://www.classnk.or.jp/hp/en/hp_news.aspx?id=3744&type=press_release&layout=1 Leading classification society ClassNK has developed "Guidance for onboard use of Compliant Fuel Oil with SOx regulation from 2020 and an implementation plan sample for switching to compliant fuel oil in order to support the industry in complying with the sulphur cap which will be enforced starting on 1 January 2020, requiring sulphur emission amounts to remain under 0.50%.

US Admiral: No delay to IMO2020. *Ship & Bunker*. 3 April 2019. Available from: <https://shipandbunker.com/news/am/691045-us-admiral-no-delay-to-imo2020> There will be no delay from the US over implementing the 0.5% sulfur cap on bunker fuel which comes into force in under a year's time, a US admiral has said.

HSBC: IMO 2020 will be less disruptive than expected. By Holly Birkett. *TradeWinds*. 3 April 2019. Available from: <https://www.tradewindsnews.com/finance/1746807/hsbc-imo-2020-will-be-less-disruptive-than-expected> IMO 2020 could be less disruptive than previously thought, according to new analysis by HSBC.

Two years in Singapore jail sound good? Just use the wrong ship fuel. By Saket Sundria and Ann Koh. *Bloomberg*. 3 April 2019. Available from: <https://www.bloomberg.com/news/articles/2019-04-03/fancy-two-years-in-singapore-jail-just-use-the-wrong-ship-fuel> Singapore has a message for shipping companies considering cheating on rules starting next year to combat pollution to save a few dollars on their fuel bills: don't.

USCG on IMO 2020 compliance and what's following. *Safety4Sea*. 4 April 2019. Available from: <https://safety4sea.com/uscg-on-imo-2020-compliance-and-whats-following/> Rear Adm. John Nadeau, assistant commandant for prevention policy, attended Connecticut Maritime Association's Shipping 2019 Conference and focused on the countdown to compliance of IMO 2020 and the concerns around it, such as availability, quality, and cost.

Sulphur 2020 - countdown to the switchover. By Tim Wilson. *Lloyd's Register*. 4 April 2019. Available from: <https://www.lr.org/en/insights/articles/sulphur-2020/> Sulphur 2020 (MARPOL Annex VI Reg. 14.1.3) is still dominating headlines and as we draw closer to the 1 January 2020 deadline it's clear that this is a big challenge for numerous players within the industry, from supplier to the end-user.

The final countdown...the 2020 sulphur cap. By Sammy Christopher Smallbone. *Gard*. 4 April 2019. Available from: www.gard.no/web/updates/content/27391956/the-final-countdownthe-2020-sulphur-cap The global sulphur cap, a MARPOL Annex VI requirement, enters into force on 1 January 2020, less than nine months away.

IMO 2020 stability and compatibility headaches. By Ara Barsamian and Lee Curcio. *Maritime Executive*. 7 April 2019. Available from: <https://www.maritime-executive.com/blog/imo-2020-stability-and-compatibility-headaches> 2020 will be a mess from fuel oil stability and compatibility point of view.

Maritime CEO Forum: 'We should look beyond the sulphur issue'. *Splash 247.com*. 8 April 2019. Available from: <https://splash247.com/maritime-ceo-forum-we-shoud-look-beyond-the-sulphur-issue/> Despite a majority of panellists at today's Maritime CEO Forum tanker session professing to be fans of scrubbers, all executives admitted that their shelf life will be brief.

Shell and Total come clean on IMO 2020 compliant fuel plans. By Jonathan Boonzaier. *TradeWinds*. 8 April 2019. Available from: <https://www.tradewindsnews.com/casualties/1749309/shell-and-total-come-clean-on-imo-2020-compliant-fuel-plans> Two leading oil majors say they'll be ready with low sulphur fuel blends, but still keep mum on pricing levels.

Paolo d'Amico acknowledges green gamble as IMO 2020 roulette wheel spins. By Adam Corbett. *TradeWinds*. 8 April 2019. Available from: <https://www.tradewindsnews.com/tankers/1748403/paolo-damico-acknowledges-green-gamble-as-imo-2020-roulette-wheel-spins> It was refreshing to hear Intertanko chairman Paolo d'Amico grudgingly admit at the Connecticut Maritime Association's conference last week that his association had actually lobbied hard for a 0.5% global sulphur cap a decade ago.

Sulphur 2020: The potential impact on fuel pumps after 0.50% sulphur limit is introduced. By Muhammad Usman. *The Motorship*. 9 April 2019. Available from: <https://bit.ly/2GOH7vv> The implementation of MARPOL Annex VI Reg.14.1.3 0.50% sulphur limit for fuel oil, used onboard ships operating outside emission control areas, shall enter into force 1 January 2020 and presents one of the most significant challenges we've seen in the shipping industry for many years.

Shell Marine launches shell Alexia 40 lubricant ahead of IMO 2020 regulation changes. *Shell*. 9 April 2019. Available from: <https://go.shell.com/2WdgZRi> In support of customer preparedness for IMO 2020, Shell Marine is introducing Shell Alexia 40 – a new two-stroke engine cylinder oil specifically for use with engines running on 0.5% sulphur content Very Low Sulphur Fuel Oil.

IMO2020: Conflicts and the quest for information. By Paul Hardy. *Ship & Bunker*. 10 April 2019. Available from: <https://shipandbunker.com/news/world/970438-imo2020-conflicts-and-the-quest-for-information> I wrote last year about how specialization within a number of large trading companies had resulted in the de-skilling of the work force and the implications it had for the future efficacy of large traders to navigate the market for IMO2020.

IMO 2020: By Hook or by Crook. *Ship & Bunker*. 11 April 2019. Available from: <https://shipandbunker.com/news/world/901872-imo-2020-by-hook-or-by-crook> The shipping and refining industries are in the eve of a new regulation which will affect marine fuel specifications and in turn the global market.

Survey launches looking at IMO 2020 compliance. *Splash 247.com*. 11 April 2019.

Available from: <https://splash247.com/survey-launches-looking-at-imo-2020-compliance/> Today sees the launch of our quarterly survey, MarPoll, results of which will be carried in the next issue of Maritime CEO magazine, coming out in time for Nor-Shipping in Oslo.

Managing the 2020 sulphur cap transition. By Craig Jallal. *Marine Propulsion & Auxiliary Machinery*. 12 April 2019. Available from: https://www.mpropulsion.com/news/view/managing-the-2020-sulphur-cap-transition_57484.htm By now owners and operators should be working on their IMO 2020 global marine fuel sulphur cap strategy.

ExxonMobil Interview: Shipowners say they don't need 0.50% for IMO2020, they need the right 0.50%. *Ship & Bunker*. 15 April 2019. Available from: <https://shipandbunker.com/news/world/291083-exxonmobil-interview-shipowners-say-they-dont-need-050s-for-imo2020-they-need-the-right-050s> With a wide range of fuels expected on the market to meet the demands of next year's 0.50% sulfur cap, ExxonMobil says its decision to focus on quality assurance as part of a wider, holistic IMO 2020 offering for its customers is already starting to pay dividends.

The sulphur compliance conundrum. By Terry Hutson. *IOL - Independent Online (South Africa)*. 22 April 2019. Available from: <https://www.iol.co.za/mercury/news/the-sulphur-compliance-conundrum-21483329> If one is to believe the International Maritime Organisation (IMO), the air around our coastlines after January 2020 - now less than eight months away - will become much cleaner and more fresh.

Physical bunker suppliers will help keep IMO2020 compliance at 90%: ClipperData. *Ship & Bunker*. 24 April 2019. Available from: <https://shipandbunker.com/news/world/751999-physical-bunker-suppliers-will-help-keep-imo2020-compliance-at-90-clipperdata> Physical bunker suppliers will play an important role in the industry achieving a high level of IMO2020 compliance.

Working hard to hit sulphur emissions limit goal. *The Star (Malaysia)*. 26 April 2019. Available from: <https://www.thestar.com.my/news/nation/2019/04/26/working-hard-to-hit-sulphur-emissions-limit-goal/> The Transport Ministry and the maritime industry are working hard to meet the 2020 deadline to reduce sulphur in marine fuel to 0.5%.

Höegh Autoliners: We've already started tank cleaning for IMO2020. *Ship & Bunker*. 26 April 2019. Available from: <https://shipandbunker.com/news/world/465359-hoegh-autoliners-weve-already-started-tank-cleaning-for-imo2020> Höegh Autoliners says it has already begun the process of cleaning its vessels' bunker tanks ahead of the switch to IMO2020 compliant low sulfur bunker fuel.

Petrobras launches first batch of 0.5% sulphur compliant fuels. By Lee Hong Liang. *Seatrade Maritime News*. 26 April 2019. Available from: <http://www.seatrade-maritime.com/news/americas/petrobras-launches-first-batch-of-0-5-sulphur-compliant-fuels.html> Brazilian state oil firm Petrobras has produced and supplied its first batch of IMO 2020-compliant bunker fuels of 0.34% sulphur content, it has been reported.

SALVAGE

Smit Salvage lifts the lid on dangers of *Maersk Honam* salvage. By Adam Corbett.

TradeWinds. 9 April 2019. Available from:

<https://www.tradewindsnews.com/casualties/1749256/smit-salvage-lifts-the-lid-on-dangers-of-maersk-honam-salvage> Smit Salvage wants better industry understanding of the hazardous work required in handling containership fires after revealing what was involved in the *Maersk Honam* post-salvage operation.

Authorities draw up plans to refloat sorry *Solomon Trader*. By Adam Corbett. *TradeWinds*.

11 April 2019. Available from: <https://www.tradewindsnews.com/casualties/1751791/authorities-draw-up-plans-to-refloat-sorry-solomon-trader> Insurers of the grounded 73,600-dwt panamax bulker *Solomon Trader* (built 1994) are working on a plan to refloat it from a reef off Rennell Island in the Solomon Islands.


Pollution abatement concludes for the wreck of the *Grande America*. *Maritime Executive*.

23 April 2019. Available from: <https://www.maritime-executive.com/article/pollution-abatement-concludes-for-the-wreck-of-the-grande-america> Deep ocean search company Ocean Infinity announced Tuesday that it has finished its work on the wreck of the con/ro *Grande America*, which caught fire and sank in the Bay of Biscay on March 12.

SEAFARERS

Seafarers International Research Centre, Cardiff University Annual Report 2018.

Seafarers' International Research Centre (SIRC). March 2019. Available from:

<http://www.sirc.cf.ac.uk/Uploads/Publications/SIRC%20Annual%20Report%202018.pdf> 

'Loneliness is like a shadow...it follows you everywhere'.

Ship abandoned in port of Antwerp, captain missing, crew left with rotten food.

Brussels Times. 29 March 2019. Available from: www.brusselstimes.com/belgium/14714/ship-abandoned-in-port-of-antwerp-captain-missing-crew-left-with-rotten-food An Egyptian-registered ship flying the Panamanian flag is moored off the port of Antwerp, having been abandoned by its captain following a negative visit by shipping inspectors.

Tanker captain feared death in migrant hijacking. *Voice of America*. 29 March 2019.

Available from: <https://www.voanews.com/a/tanker-captain-feared-death-in-migrant-hijacking/4854785.html> African migrants who hijacked an oil tanker after it rescued them in the Mediterranean Sea seized metal objects and began smashing the ship and threatening crew members after they realized they were being returned to Libya, the ship's captain said Friday.

'Manning Industry Dying': PH seafarer deployment cut by more than 100,000. By Raffy Ayeng.

Manila Times. 30 March 2019. Available from: <https://www.manilatimes.net/ph-seafarer-deployment-cut-by-more-than-100000/532671/> The deployment of Filipino seafarers dwindled by more than 100,000, according to preliminary data for the year 2018 obtained by The Manila Times.

Seafarers' Access to Maritime Facilities Final Rule published. *US Coast Guard Maritime Commons*.

1 April 2019. Available from: <https://mariners.coastguard.dodlive.mil/2019/04/01/4-1-2019-seafarers-access-to-maritime-facilities-final-rule-published/> The Coast Guard published the Seafarers' Access to Maritime Facilities Final Rule in the Federal Register April 1, 2019, requiring owners and operators of Maritime Transportation Security Act-regulated facilities to provide seafarers holding valid U.S. visas and other covered individuals with the ability to transit through the facility in a timely manner and at no cost to the individuals.


IMO: Crew abandonment triples in past two years. By Michael Juliano. *TradeWinds*.

2 April 2019. Available from: <https://www.tradewindsnews.com/insurance/1745980/imo-crew-abandonment-triples-in-past-two-years> Recorded occurrences of seafarer abandonment have tripled since shipowners have had to insure against it from mid-2017, an official with the International Maritime Organization says.

Seafarers' Happiness Index sees across-the-board declines. By Matt Coyne. *TradeWinds*.

4 April 2019. Available from: <https://www.tradewindsnews.com/casualties/1747353/seafarers-happiness-index-sees-across-the-board-declines> Happiness aboard the world's ships is down across the board, Mission to Seafarers director of advocacy Ben Bailey said at the Connecticut Maritime Association conference Wednesday afternoon.


Geneva Declaration on Human Rights at Sea: Version 1. *Human Rights at Sea (HRAS)*.

5 April 2019. Available from: <https://www.humanrightsatsea.org/2019/04/05/first-geneva-declaration-on-human-rights-at-sea-published/> The first version of the inaugural 'Geneva Declaration on Human Rights at Sea' is today published by Human Rights at Sea after the initial drafting session was held in Switzerland on 20-21 March 2019 at the Graduate Institute of International and Development Studies, Geneva. [Declaration](#) 

App for seafarers to securely send money home whilst at sea. By Michelle Winny.

Seatrade Cruise News. 5 April 2019. Available from: <http://www.seatrade-cruise.com/news/news-headlines/app-for-seafarers-to-securely-send-money-home-whilst-at-sea.html> A custom money transfer service, aimed at crew, has been designed by digital remittance company Remitly.

New guidance on arrested and detained vessels and abandoned seafarers.

International Seafarers' Welfare and Assistance Network (ISWAN). 5 April 2019. Available from: <https://www.seafarerswelfare.org/news/2019/new-guidance-on-arrested-and-detained-vessels-and-abandoned-seafarers> New guidance is now available to assist welfare organisations dealing with incidents of seafarers being abandoned and vessels being arrested or detained. [Arrested and Detained Vessels, and Abandoned Seafarers](#) 

Employee satisfaction on the rise among container liners. By Trine Vestergaard.

ShippingWatch. 8 April 2019. Available from: <https://shippingwatch.com/secure/carriers/Container/article11305357.ece> Employees at the largest liner companies have become more satisfied during the year, shows a study.


Philippines' dominant crewing position comes under threat. By Sam Chambers.

Splash 247.com. 9 April 2019. Available from: <https://splash247.com/philippines-dominant-crewing-position-comes-under-threat/> The Philippines, the world's dominant source of seafarers this century, is coming under severe pressure with the number of deployed crew dropping drastically last year and a host of top managers warning today that the country's manning preeminence is under threat.

Ships abandoned off UAE towed in to port as three-year stand-off ends. By Nick Webster.

The National (United Arab Emirates). 11 April 2019. Available from: <https://www.thenational.ae/uae/ships-abandoned-off-uae-towed-in-to-port-as-three-year-stand-off-ends-1.847985> The first of seven ships abandoned at sea, with more than 30 crew on board, are being towed to shore after arrest warrants were served against a UAE firm.

CMA TV: Ben Bailey on the Seafarers Happiness Index. *Knect365 Maritime*. 11 April 2019.

Available from: <https://knect365.com/shipping/article/91c8b33f-1a50-4aab-8a32-e21fffd825d3/cma-tv-ben-bailey-on-the-seafarers-happiness-index>  Shipping has long been the life blood of the world economy.

Is MLC working for seafarers? *Splash 247.com*. 12 April 2019. Available from: <https://splash247.com/is-mlc-working-for-seafarers/> This year, the International Labour Organization celebrates 100 years. Its history of resilience in the face of criticism and threats to its survival, while continuing to contribute to decent work for workers worldwide, is perhaps reason to highlight its successes more so than its failures.

Abandoned at sea: the crews cast adrift without food, fuel or pay. By Karen McVeigh.

The Guardian. 12 April 2019. Available from: <https://www.theguardian.com/global-development/2019/apr/12/abandoned-at-sea-the-crews-cast-adrift-without-food-fuel-or-pay> When Captain Ayyappan Swaminathan set off from his home in Kumbakonam, southern India, in January 2017, to work on a ship in the Persian Gulf, he told his four-year-old daughter, Aniha: "Don't worry, I'll be back shortly."

ITF kicks off targeted operation against Blumenthal. *International Transport Workers' Federation*. 12 April 2019. Available from: <https://www.itfglobal.org/en/news/itf-kicks-targeted-operation-against-blumenthal> The International Transport Workers' Federation (ITF) has launched a targeted operation against German shipping company Johann M. K. Blumenthal over the company's continued refusal to recognise seafarers' welfare and rights.

Andhra Pradesh: Sailor rescued from dangerous conditions in Persian Gulf returns home.

By Ch Sushil Rao. *Times of India*. 12 April 2019. Available from: <https://timesofindia.indiatimes.com/city/hyderabad/andhra-pradesh-sailor-rescued-from-dangerous-conditions-in-persian-gulf-returns-home/articleshow/68851077.cms> An Indian sailor from Srikakulam in Andhra Pradesh who had a frightening experience at sea in the Persian Gulf with the merchant ship he was working in falling into danger, has been rescued.

Fraud alert issued to seafarers. *UK Maritime & Coastguard Agency*. 12 April 2019. Available from: <https://hmcoastguard.blogspot.com/2019/04/fraud-alert-issued-to-seafarers.html> The UK Maritime & Coastguard Agency (MCA) Investigation & Enforcement Unit have been notified by several members of the public throughout the world who have been offered fake dream jobs on cruise ships.

Crew abandonment cases spike. By Sam Chambers. *Splash 247.com*. 15 April 2019. Available from: <https://splash247.com/crew-abandonment-cases-spike/> Cases of crew abandonment are not diminishing despite greater global attention being paid to the nasty practice.

The lonely seafarer. By Michael Grey. *Seatrade Maritime News*. 16 April 2019. Available from: <http://www.seatrade-maritime.com/news/europe/the-lonely-seafarer.html> The annual review of the Seafarers International Research Centre (SIRC) at Cardiff University notes, in its director's overview, that "loneliness is one of the most prevalent emotions amongst contemporary seafarers".

Helping cadets achieve careers at sea. *Sailors' Society*. 16 April 2019. Available from: <https://www.sailors-society.org/about-us/press-room/helping-cadets/> Rachel Vassallo, 23, from South Shields, is one of the 70 students who have received a Sailors' Society scholarship since 2015 to help achieve a career at sea.

Unions unite to strengthen support for maritime workers across Latin America. *International Transport Workers' Federation (ITF)*. 16 April 2019. Available from: <https://www.itfglobal.org/en/news/unions-unite-strengthen-support-maritime-workers-across-latin-america> Unions from across Latin America have come together and committed to provide assistance and solidarity to seafarers in distress in Central and South American ports.

Union secures wages for starving crew. *Nautilus International*. 18 April 2019. Available from: <https://www.nautilusint.org/en/news-insight/news/union-secures-wages-for-starving-crew/> Nautilus/ITF inspector Paul Keenan came to the aid this year of the crew of a Russian-flagged ship who had almost run out of food and water.

Are we doing enough for the well-being of our seafarers? By Dimitrios Lyrakos.

Maritime Executive. 20 April 2019. Available from: <https://www.maritime-executive.com/blog/are-we-doing-enough-for-the-well-being-of-our-seafarers> Are we doing enough for the mental health and well-being of our seafarers?

Tag Offshore abandons its only tanker with 17 crew onboard. By Jason Jiang.

Splash 247.com. 22 April 2019. Available from: <https://splash247.com/tag-offshore-abandons-its-only-tanker-with-17-crew-onboard/> Indian offshore service provider Tag Offshore is believed to have abandoned its 1991-built MR tanker *Tag Navya* along with its 17 crew.

With international intervention, Indian sailors abandoned on ships in Persian Gulf for over two yrs on way home. By Ch Sushil Rao.

Times of India. 23 April 2019. Available from: <https://bit.ly/2VI34LL> As many as 31 several Indian sailors, stranded on abandoned ships in the Persian Gulf for the last more than two years, have finally received help.

31 sailors at high seas for 2 years finally rescued. By Ch Sushil Rao.

Times of India. 24 April 2019. Available from: <https://timesofindia.indiatimes.com/city/hyderabad/31-sailors-at-high-seas-for-2-years-finally-rescued/articleshow/69015753.cms> As many as 31 Indian sailors, including seven from Andhra Pradesh, stranded on eight ships abandoned in the Persian Gulf in the last two years can breathe easy.

New Chief Executive for Seafarers UK.

Seafarers UK. 25 April 2019. Available from: <https://www.seafarers.uk/news/new-chief-executive-for-seafarers-uk/> Catherine Spencer has been formally announced as the new Chief Executive of Seafarers UK.

For a safe and healthy work environment at sea.

Höegh Autoliners. 26 April 2019. Available from: <https://www.hoeghautoliners.com/news-and-media/news-and-press-releases/for-a-safe-and-healthy-work-environment-at-sea> At Höegh Autoliners we understand that a seafarer's job is like no other.

SEARCH & RESCUE

Refugee ships are trying to call them during emergencies - but they aren't answering.

By Marcus Engert. *BuzzFeed News*. 27 March 2019. Available from: <https://www.buzzfeednews.com/article/marcusengert/libya-coast-guard-not-answering-emergency-refugee-rescue-cal> Twenty-nine calls from BuzzFeed News to a variety of numbers meant to summon the Libyan coast guard to help for drowning refugees in the Mediterranean went completely unanswered.

Watch: Malta told us to go back to Libya, captain of 'hijacked' ship says.

Times of Malta. 29 March 2019. Available from: <https://www.timesofmalta.com/articles/view/20190329/local/listen-malta-told-us-to-go-back-to-libya-captain-of-hijacked-ship-says.705882> The captain of the *El Hiblu 1*, which docked in Malta Thursday, has claimed that Maltese authorities initially denied the ship permission to head to Malta and told him to head to Libya instead.

EUNAVFOR MED Operation Sophia: mandate extended until 30 September 2019.

Council of the European Union. 29 March 2019. Available from: <https://www.consilium.europa.eu/en/press/press-releases/2019/03/29/eunavfor-med-operation-sophia-mandate-extended-until-30-september-2019/> The Operation Commander has been instructed to suspend temporarily the deployment of the Operation's naval assets for the duration of this extension for operational reasons.

Ship takeover by migrants raises concerns for rescues at sea. By Elena Becatoros and Maggie Michael.

Associated Press. 30 March 2019. Available from:

<https://www.apnews.com/fa5d40293aa84c558d8140404130c567> A rescue in the Mediterranean Sea that took an ominous turn has raised concerns that some merchant ship captains might become reluctant to save migrants in danger of drowning during the perilous crossing from north Africa to Europe, fearing they could lose control of their ship.

Spanish fireman faces 20 years in prison for rescuing migrants at sea. By Nacho Sánchez.

El País (Spain). 2 April 2019. Available from:

https://elpais.com/elpais/2019/03/27/inenglish/1553678880_692129.html It is June 2017, and firefighter Miguel Roldán has been working for 18 hours on a migrant rescue ship in the Mediterranean Sea.

Dutch government blocks Sea-Watch 3 and other NGO ships with a new policy, citing concerns for 'safety,' while people are left to drown. Sea-Watch.

Sea-Watch. 2 April 2019. Available from:

<https://sea-watch.org/en/dutch-government-blocks-sea-watch-3/> Today, a new policy imposed by the Dutch Ministry of Infrastructure and Water Management will take effect, which has severe implications on *Sea-Watch* and other NGOs operating ships under the Dutch flag.

German charity ship rescues 64 migrants off Libya. France 24.

France 24. 3 April 2019. Available from:

<https://www.france24.com/en/20190403-german-charity-ship-rescues-64-migrants-off-libya> A German charity rescue ship has picked up 64 migrants, including women and children, stranded off Libya while trying to cross the Mediterranean and enter Europe.

German NGO seeks help for Mediterranean migrant rescue ship. Deutsche Welle (Germany).

Deutsche Welle (Germany). 7 April 2019. Available from:

<https://www.dw.com/en/german-ngo-seeks-help-for-mediterranean-migrant-rescue-ship/a-48244874> The Sea-Eye, a Germany-based rescue organization, said the migrants aboard the Alan Kurdi vessel have had to endure "unsustainable humanitarian conditions." Italy and Malta have forbidden the ship to dock in their ports.

Four EU countries to take rescued migrants after Med standoff. By Chris Scicluna. Reuters.

Reuters. 13 April 2019. Available from:

<https://www.reuters.com/article/us-europe-migrants-malta/four-eu-countries-to-take-rescued-migrants-after-med-standoff-idUSKCN1RP06J> Four European Union countries have agreed to take in 64 African migrants rescued by the German ship Alan Kurdi and stranded at sea for almost two weeks, the Maltese government announced on Saturday.

SOS MEDITERRANEE launches an appeal to all European Parliament elections candidates: Respect the law! Law of the Sea in the Mediterranean must be complied with.

SOS Mediterranee. 15 April 2019. Available from:

<https://sosmediterranee.com/press/sos-mediterranee-appeal-to-european-parliament-elections-candidates-respect-the-law/> On the run up to the EU elections, the European sea rescue organisation SOS MEDITERRANEE finds a real opportunity to stop the progressive erosion of maritime and international law in the Mediterranean region.

Rescue ship says Spain is blocking its bid to aid refugees in Greece. By María Martín.

El País (Spain). 16 April 2019. Available from:

https://elpais.com/elpais/2019/04/15/inenglish/1555321756_764415.html A Basque fishing vessel converted into a migrant rescue boat called the *Aita Mari* is having problems going to the Greek island of Lesbos, where it aims to deliver humanitarian aid to the thousands of refugees concentrated there.

Case filed against Greece in Strasbourg Court over Criminalising Search and Rescue.

Human Rights at Sea (HRAS). 23 April 2019. Available from: <https://www.humanrightsatsea.org/2019/04/23/case-filed-against-greece-in-strasbourg-court-over-criminalising-search-and-rescue/> Not-for-profit organisation Team Humanity's founder Salam Aldeen through the representation of the Global Legal Action Network, have decided to take the Greek government to the Strasbourg Court, to held them accountable for the legal ordeal they have put Salam Aldeen and his crew through since 14th January 2016, when the Greek authorities falsely accused him of attempted migrant smuggling.

Coast Guard vessels deployed in search & rescue mission. By Abraham Diaz.

Guardian (Trinidad & Tobago). 25 April 2019. Available from: <https://www.guardian.co.tt/news/coast-guard-vessels-deployed-in-search--rescue-mission-6.2.832017.d71a23245e> The Coast Guard has confirmed that it is embarking on a search and rescue mission of a Venezuelan vessel that sank on its way to Trinidad and Tobago, with dozens of Venezuelans on board.

Italian migrant rescue ship judged unfit for sea by coastguard. *The Local (Italy)*. 25 April 2019.

Available from: <https://www.thelocal.it/20190425/italian-migrant-rescue-ship-judged-unfit-for-sea-by-coastguard> An Italian aid ship that rescued 49 migrants off Libya last month has been declared unfit for rescue operations at sea, the Italian coastguard said on Wednesday.

SHIP RECYCLING

Two roads for Hong Kong Convention to enter into force. By Nikos Mikelis. *Maritime Executive*. 31 March 2019. Available from: <https://www.maritime-executive.com/editorials/two-roads-for-hong-kong-convention-to-enter-into-force> At the beginning of this year it appeared that the prospects of Hong Kong Convention's entry into force were not too bright.

Greener ship recycling aids workers, environment. By Martin Dorsman. *Government Europa*. 4 April 2019. Available from: <https://www.governmenteuropa.eu/greener-ship-recycling/92809/> The drive for greener ship recycling across Europe, as well as the drive to cultivate safer working conditions for labourers at these yards, has led to the HKIC and the new EU regulation.

EU ship recycling rules look like protectionism. By Rasmus Nord Jorgensen. *BIMCO*. 8 April 2019. Available from: <https://www.bimco.org/news/priority-news/20190408-eu-ship-recycling-rules-are-protectionism> "The EU list is hard to take seriously. I called one of these "recycling shipyards" a few months ago, and they hadn't even started building the yard yet," says Angus Frew, BIMCO Secretary General & CEO.

Report on the European List of Ship Recycling Facilities. *Marprof Environmental Ltd*. 2019. Available from: <https://bit.ly/2VB3qhp> This report, commissioned by BIMCO, provides information and observations on the establishment of the European List of ship recycling facilities (hereinafter referred to as "the EU List"), relating to Regulation (EU) 1257/2013 of the European Parliament and the Council on ship recycling (hereinafter referred to as "the EU Regulation").

Maersk tightens its ship recycling procedures. *Maersk*. 8 April 2019. Available from: <https://www.maersk.com/about/sustainability/shared-value/leading-change-in-ship-recycling-industry/maersk-tightens-its-ship-recycling-procedures> Maersk is introducing contractual steps to ensure that its sales contracts include a strong financial incentive for ship recycling to be carried out responsibly.

Platform publishes South Asia Quarterly Update #18. *NGO Shipbreaking Platform*. 10 April 2019. Available from: <https://www.shipbreakingplatform.org/platform-publishes-south-asia-quarterly-update-18/> There were a total of 181 ships broken in the first quarter of 2019.

Ship Recycling: An overview. *OECD (Organisation for Economic Cooperation and Development)*. April 2019. Available from: https://www.oecd-ilibrary.org/science-and-technology/ship-recycling_397de00c-en This report includes an overview of the ship recycling market by providing descriptive statistics, describing the determinants for the decision of ship-owners to demolish vessels, and elaborating on the main market players and the economics of ship recycling. [Ship Recycling An overview; OECD Science, Technology and Industry Policy Papers April 2019](#)

SHIPBUILDING & SHIPREPAIR

Yara Marine sets record with successful MARPOL test of inline hybrid scrubber on 80MW ship engine. *Yara International ASA*. 2 April 2019. Available from: <https://yaramarine.com/yara-marine-sets-record-successful-marpol-test-inline-hybrid-scrubber-80mw-ship-engine/> Yara Marine Technologies is proud to announce the successful installation of an inline hybrid scrubber system for an undisclosed customer in the ultra-large container segment.

Arriva Danmark boosts requirements for electric ferries. *By Rebecca Moore. Passenger Ship Technology*. 4 April 2019. Available from: https://www.passengership.info/news/view,arriva-danmark-boosts-requirements-for-electric-ferries_57392.htm Arriva Danmark has extended the requirements of its contract with Damen Shipyards Group for five fully electric ferries to account for longer ferry routes in Copenhagen.

Wärtsilä and Samsung to co-develop most efficient LNG Carrier & Shuttle Tanker solutions. *Wärtsilä Corporation*. 4 April 2019. Available from: <https://bit.ly/2UXL1Hn> The technology group Wärtsilä and Samsung Heavy Industries (SHI) have signed a Joint Development Project agreement aimed at establishing a more efficient solution for LNG Carrier and Shuttle Tanker vessels.

S. Korea ranks 2nd in global ship orders in Q1. *Yonhap News Agency (South Korea)*. 8 April 2019. Available from: <https://en.yna.co.kr/view/AEN20190408011900320> South Korean shipbuilders came in second worldwide in terms of new orders in the first quarter of the year, industry data showed Monday.

Windstar ships' lengthening called 'the most complex refit ever attempted'. *By Theresa Norton. Seatrade Cruise News*. 15 April 2019. Available from: <https://bit.ly/2ZcXtGz> Windstar Cruises detailed its \$250m Star Plus Initiative at Seatrade Cruise Global, with company President John Delaney calling it "the most complex refit ever attempted."

Kenya putting up shipbuilding, repair facility. *By Philip Mwakio. Standard Digital (Kenya)*. 16 April 2019. Available from: <https://www.standardmedia.co.ke/business/article/2001321226/kenya-putting-up-shipbuilding-repair-facility> Kenya is eyeing the lucrative shipbuilding and repair industry following plans to start construction work of a modern shipyard facility at the Kenya Navy Mtongwe base, Mombasa County.

South Korea extends support for crisis-stricken yard cities. *By Daniel Logan Berg-Munch. ShippingWatch*. 23 April 2019. Available from: <https://shippingwatch.com/secure/suppliers/article11334354.ece> The South Korean government extends its support for cities affected by the decline in the country's shipbuilding industry.

Are battery-powered cruise ships a viable option? *By Elly Yates-Roberts. Cruise & Ferry*. 25 April 2019. Available from: <http://www.cruiseandferry.net/articles/are-battery-powered-cruise-ships-a-viable-option> Are batteries only for ferries and small passenger vessels – or can technology provide energy storage solutions suitable for large cruise ships?

How shipyard handled complex MSC scrubber refit. By Rebecca Moore. *Passenger Ship Technology*. 25 April 2019. Available from: https://www.passengership.info/news/view/how-shipyard-handled-complex-msc-scrubber-refit_57617.htm Chantier Naval de Marseille (CNM) has seen an increased demand for repair and refurbishment works focused on greener and more fuel-efficient operations – and this is an area it is keen to develop further.


Chinese yards: a booming orderbook and innovation boost. *Passenger Ship Technology*. 26 April 2019. Available from: https://www.passengership.info/news/view/chinese-yards-a-booming-orderbook-and-innovation-boost_57639.htm Not only are Chinese shipyards winning an increasing number of international orders for passenger ships, they are applying advanced technologies.

SHIPPING

First SAFETY4SEA London Forum focuses on industry's top priorities from 2020 onwards. *Safety4Sea*. 29 March 2019. Available from: <https://safety4sea.com/first-safety4sea-london-forum-focuses-on-industrys-top-priorities-from-2020-onwards/> The 2019 SAFETY4SEA London Forum successfully concluded on Thursday 28th of March, at the Hellenic Centre in London, UK, attracting 175 delegates from a total of 80 organizations.

Green shipping boost environmental protection. *COSCO SHIPPING Lines Co., Ltd.* 29 March 2019. Available from: <http://lines.coscoshipping.com/home/News/detail/15538296139773694941/50000000000000232?id=50000000000000232> COSCO SHIPPING LINES signed LSFO supply agreement with Double Rich Limited on 28th of March, 2019.

Global trade growth loses momentum as trade tensions persist. *World Trade Organization (WTO)*. 2 April 2019. Available from: https://www.wto.org/english/news_e/pres19_e/pr837_e.htm World trade will continue to face strong headwinds in 2019 and 2020 after growing more slowly than expected in 2018 due to rising trade tensions and increased economic uncertainty.

HELCOM publishes report on alternative fuels for shipping in the Baltic Sea region. *Baltic Marine Environment Protection Commission (HELCOM)*. 2 April 2019. Available from: <http://www.helcom.fi/news/Pages/helcom-launches-alternative-fuels-report.aspx> HELCOM in April 2019 published its "Alternative fuels for shipping in the Baltic Sea region" report, as part of the EnviSuM project that looks into clean shipping solutions from both a technical and socio-economic viewpoint. [Alternative fuels for shipping in the Baltic Sea Region](#) 

IMO2020: Quality testing blended fuels no guarantee against fuel-related problems. *Ship & Bunker*. 2 April 2019. Available from: <https://shipandbunker.com/news/world/539189-imo2020-quality-testing-blended-fuels-no-guarantee-against-fuel-related-problems> Blending fuel will be the way the bunker industry meets new demand for low sulfur material once the 0.5% sulfur cap comes into force from the start of next year.

Changing Tides: Women leaders in the PH maritime industry. By Yashika F. Torib. *Manila Times*. 3 April 2019. Available from: <https://www.manilatimes.net/changing-tides-women-leaders-in-the-ph-maritime-industry/534497/> Until about a decade ago, the maritime industry in the Philippines has always been dominated and led by men — mostly those who used to be seafarers onboard.

Huge Chinese ambitions threaten Europe's shipping sector. By Mette Mandrup. *ShippingWatch*. 3 April 2019. Available from: <https://shippingwatch.com/secure/Services/article11292821.ece> China has several projects in the works aimed at helping the country's shipbuilding and shipping sector.

Oversupply still major challenge warns ICS. *International Chamber of Shipping (ICS).*

3 April 2019. Available from: <http://www.ics-shipping.org/news/press-releases/2019/04/03/oversupply-still-major-challenge-warns-ics> Speaking in Istanbul, Simon Bennett, Deputy Secretary General of the International Chamber of Shipping (ICS) warned today that avoiding overcapacity and unsustainably low freight rates is still a major challenge ten years after the massive downturn of 2008.

EU reveals no-deal shipping plans. By Gary Dixon. *TradeWinds.* 4 April 2019. Available from:

<https://www.tradewindsnews.com/passengerships/1747845/eu-reveals-no-deal-shipping-plans>
The European Union has unveiled plans to tackle the shipping elements of a no-deal Brexit by the UK.

EMSA Women in Shipping. *European Maritime Safety Agency (EMSA).* 4 April 2019.

Available from: <http://emsa.europa.eu/news-a-press-centre/emsa-video-gallery/item/3505-emsa-women-in-shipping.html>

A foggy outlook for container shipping, but a brighter tomorrow still likely.

Drewry Shipping Consultants. 4 April 2019. Available from: <https://www.drewry.co.uk/news/a-foggy-outlook-for-container-shipping-but-a-brighter-tomorrow-still-likely> The container shipping industry is facing an exceptionally high level of uncertainty, ranging from the extra cost associated with IMO 2020 and how much carriers will recover from shippers, to the possibility of a trade recession and unknown future engagement by shipowners in large vessel building programmes, according to the recently published Container Forecaster from global shipping consultancy Drewry.

Shipping not dragging its feet on environmental protection: Bimco. By David Glass.

Seatrade Maritime News. 7 April 2019. Available from: <https://bit.ly/2PCxeow> Lars Robert Pedersen, Bimco's deputy secretary general, contends that too often the shipping industry is perceived to be dragging its feet when it comes to protecting the environment, but maintains this is hardly a fair perception.

Create more opportunities for women in maritime industry-Veep. *Ghana News Agency.*

7 April 2019. Available from: <http://ghananewsonline.com.gh/create-more-opportunities-for-women-in-maritime-industry-veep/> The Vice President of the Republic of Ghana, Dr Mahamudu Bawumia, has called for the creation of more opportunities for women participation in the maritime sector, particularly in Africa to fully harness the huge potentials of the continent's blue economy.

Maritime sector, which facilitates 95% of UK trade, is among the most exposed to Brexit.

Centre for Economics and Business Research (Cebr). 8 April 2019. Available from: <https://cebr.com/reports/maritime-sector-which-facilitates-95-of-uk-trade-is-among-the-most-exposed-to-brexite/> One sector that has arguably not received the attention it deserves in the Brexit debate is the maritime sector, which is comprised of ports, shipping, and associated services.

Major shipowner trade associations agree to enhance cooperation. *International Chamber of Shipping (ICS).*

8 April 2019. Available from: <http://www.ics-shipping.org/news/press-releases/2019/04/08/major-shipowner-trade-associations-agree-to-enhance-cooperation> Today in Singapore, the International Chamber of Shipping (ICS), the Asian Shipowners' Association (ASA) and the European Community Shipowners' Associations (ECSA) signed a joint memorandum of understanding. [Memorandum of Understanding between ICS ASA and ECSA](#)

China's Belt and Road Initiative important for Singapore and shipping. By Lee Hong Liang.

Seatrade Maritime News. 8 April 2019. Available from: www.seatrade-maritime.com/news/asia/china-s-belt-and-road-initiative-important-for-singapore-and-shipping.html China's Belt and Road Initiative (BRI) is anticipated to create demand growth for shipping and Singapore is keen to continue playing an important role in the ambitious development strategy, according to Singapore's minister for trade and industry Chan Chun Sing.

Extreme weather has become a real risk factor for shipping. By Tomas Kristiansen.

ShippingWatch. 9 April 2019. Available from:

<https://shippingwatch.com/secure/carriers/Container/article11307988.ece> More typhoons and hurricanes at sea, and floods that undermine ports and railroads, have become a risk factor for shipping.

CMA Shipping 2019 - Flag state control, Maritime Commerce Strategic Outlook, and more from keynote remarks. By Amy Midgett.

US Coast Guard Maritime Commons. 9 April 2019.

Available from: <https://mariners.coastguard.dodlive.mil/2019/04/09/4-9-2019-cma-shipping-2019-flag-state-control-maritime-commerce-strategic-outlook-and-more-from-keynote-remarks/> In addition to remarks on IMO 2020 during his keynote speech at Connecticut Maritime Association's 2019 Shipping Conference, Rear Adm. John Nadeau gave attendees a rundown of some of the other initiatives and issues the Coast Guard's prevention program focused on in 2018.

WMU and MPA Singapore sign enhanced MoU at WMU Empowering Women in the Maritime Community Conference.

World Maritime University (WMU). 9 April 2019. Available from:

<https://www.wmu.se/news/wmu-and-mpa-singapore-sign-enhanced-mou-wmu-empowering-women-maritime-community-conference> On 5 April, World Maritime University (WMU) signed an enhanced Memorandum of Understanding (MoU) with the Maritime and Port Authority of Singapore (MPA), to cooperate on global maritime leadership training and capacity building for the international maritime community.

A Way Forward - Conclusions from the WMU Empowering Women in the Maritime Community Conference.

World Maritime University (WMU). 9 April 2019. Available from:

<https://www.wmu.se/news/way-forward-conclusions-wmu-empowering-women-maritime-community-conference> From 4-5 April, over 350 participants from more than 70 countries around the globe gathered at the World Maritime University (WMU) for the WMU Empowering Women in the Maritime Community Conference.

Blockchain roaming in the maritime industry. By Okan Duru and Muhammad Imran Md Zin.

Splash 247.com. 10 April 2019. Available from: <https://splash247.com/blockchain-roaming-in-the-maritime-industry/> How to get maritime blockchains to interact with each other.

Crucial to address challenges women face in maritime sector - DPM.

Bernama (Malaysia). 10 April 2019. Available from:

<http://www.bernama.com/en/news.php?id=1715087> Deputy Prime Minister Datuk Seri Dr Wan Azizah Wan Ismail said it is crucial to address challenges women face in the maritime sector, not only in Malaysia but also all around the world.

How shipping firms are reducing their environmental impact. By Michele Witthaus.

Cruise & Ferry. 10 April 2019. Available from: <http://www.cruiseandferry.net/articles/how-shipping-firms-are-reducing-their-environmental-impact> Michele Witthaus looks at the products and services that are making a difference.

Singapore and Copenhagen master the art of attracting maritime talents. By Tomas Kristiansen.

ShippingWatch. 10 April 2019. Available from:

<https://shippingwatch.com/secure/carriers/article11310919.ece> Two cities stand out significantly in a new comprehensive survey about which maritime hubs are best at attracting the talents of the future.

Cash-strapped shipping losing the war on talent. By Sam Chambers.

Splash 247.com. 10 April 2019. Available from:

<https://splash247.com/cash-strapped-shipping-losing-the-war-on-talent/> Results from an HR survey aimed at senior maritime executives show the contradictory nature of recruitment for the hard-pressed shipping industry.

Leading maritime capitals of the world report 2019: Singapore still on top. *Menon Economics*. 10 April 2019. Available from: <https://www.menon.no/wp-content/uploads/Press-release-April-2019.pdf> The Leading Maritime Capitals report for 2019 is out, with fresh insight on which maritime metropolises provide the best support for companies in shipping and related services. [Final Report](#)

Shipping forecast to use more non-fossil fuels by 2050. By Lee Hong Liang. *Seatrade Maritime News*. 11 April 2019. Available from: <http://www.seatrade-maritime.com/news/asia/shipping-forecast-to-use-more-non-fossil-fuels-by-2050.html> Shipping is forecast to see a shift toward greater use of non-fossil fuel energy for propulsion by 2050 under influence from environmental concerns and the reality of climate change.

Maersk and BW Group recommend CO2 tax on shipping. By Tomas Kristiansen. *ShippingWatch*. 11 April 2019. Available from: <https://shippingwatch.com/secure/carriers/article11314761.ece> A number of the world's biggest shipping companies now recommend the introduction of a CO2 tax as part of the shipping industry's goal to reduce greenhouse gas emissions.

Industry leaders discuss push for fossil fuel alternatives. *Ship Management International*. 11 April 2019. Available from: <http://shipmanagementinternational.com/industry-leaders-discuss-push-for-fossil-fuel-alternatives/> Kicking off the third and final day of the Sea Asia 2019 conference, industry leaders from across the energy supply chain came together to discuss what the push for alternatives to fossil fuels means for the maritime industry.

Green light: Sweden commits to fossil-free shipping. By Ross Davies. *Ship-Technology.com*. 11 April 2019. Available from: <https://www.ship-technology.com/features/sweden-fossil-fuel-free-shipping/> The Swedish Shipowners' Association has developed plans to phase out the use of fossil fuels by 2045, in line with the country's wider climate change plans.

2019 Empowering women conference speech by Sayedeh Hajar Hejazi. *Human Rights at Sea (HRAS)*. 11 April 2019. Available from: <https://www.humanrightsatsea.org/2019/04/11/2019-empowering-women-conference-speech-by-sayedeh-hajar-hejazi/> Attending the 2019 Empowering Women in the Maritime Community conference at the World Maritime University in Malmo, Sweden, Human Rights at Sea legal researcher, Sayedeh Hajar Hejazi, submitted both a legal research paper to the University on 'Seafarer Abandonment: An Iranian Perspective', as well as gave a powerful speech to her fellow attendees during the second day.

Independent study reveals LNG reduces shipping GHG emissions by up to 21%. *SEA\LNG*. 11 April 2019. Available from: <https://sea-lng.org/independent-study-reveals-lng-reduces-shipping-ghg-emissions-by-up-to-21/> The independent study report launched today has revealed that Greenhouse Gas (GHG) reductions of up to 21% are achievable now from LNG as a marine fuel, compared with current oil-based marine fuels over the entire life-cycle from Well-to-Wake (WtW).

Carriers shudder at French speed limit proposal for containerships. By Alexander Whiteman. *The Loadstar*. 12 April 2019. Available from: <https://theloadstar.com/carriers-shudder-at-french-speed-limit-proposal-for-containerships/> Container lines have objected to French calls for the IMO impose mandatory speed limits for ships.

Storms going ashore are bad news for shipping. By Christian Carlsen. *ShippingWatch*. 12 April 2019. Available from: <https://shippingwatch.com/secure/carriers/article11318558.ece> A cocktail of rising air and water temperatures has created more violent storms that go "ashore" with consequences for ports and liners, which are increasingly worried, says Weathernews.

Can DNV GL claim to be shipping's largest class society? By Adam Corbett. *TradeWinds*. 16 April 2019. Available from: <https://www.tradewindsnews.com/casualties/1756801/can-dnv-gl-claim-to-be-shippings-largest-class-society> DNV GL is shipping's largest classification society, at least based on the traditional gross tonne form of measurement, according to the latest statistics from the International Association of Classification Societies (IACS).

Little change to gender pay in UK Maritime. *Spinnaker Global Ltd*. 16 April 2019. Available from: https://spinnaker-global.com/Blog/Details/0_16-Apr-2019_little-change-to-gender-pay-in-uk-maritime On the second anniversary of the obligation to report gender pay figures, HR Consulting from Spinnaker Global (in conjunction with their legal partners at Clyde & Co) brought together a group of maritime HR professionals to discuss the challenges and opportunities on gender diversity within this unique industry.

The Captain's Table: Shipping's Dragon's Den. *Splash 247.com*. 16 April 2019. Available from: <https://splash247.com/the-captains-table-shippings-dragons-den/> Shipping now has its own version of the Dragon's Den, the hit BBC show where tycoons invest in entrepreneurial inventors.

MSC to pioneer digital industry standards in new container line association. *Mediterranean Shipping Company (MSC)*. 16 April 2019. Available from: <https://www.msc.com/lca/news/2019-april/msc-to-pioneer-digital-industry-standards-in-new-c> After gaining regulatory approval from the Federal Maritime Commission (FMC) last month, four container shipping companies – MSC, A.P. Moller – Maersk, Hapag-Lloyd and Ocean Network Express – officially established the Digital Container Shipping Association (DCSA) on 10 April, 2019 in Amsterdam, the Netherlands.

Distinguished women in shipping encourage fellow women in the industry. *GhanaWeb*. 16 April 2019. Available from: <https://www.ghanaweb.com/GhanaHomePage/business/Distinguished-women-in-shipping-encourage-fellow-women-in-the-industry-738982> As part of the 6th WISTA Africa Region Conference, held in Accra, a panel discussion was arranged among distinguished women in the maritime and shipping sector who shared their experience working in the field.

The changing face of maritime. By Mark Charman. *Faststream Recruitment*. 16 April 2019. Available from: <https://www.faststream.com/insights/the-changing-face-of-maritime> In January 2019, Maritime recruiter Faststream Recruitment surveyed over 2,000 Senior Maritime Executives from across the world to gain a unique insight into the views, thoughts and feelings that these individuals have on future talent, leadership, career development and pay & reward.

European political support grows for ship speed controls. By Adam Corbett. *TradeWinds*. 17 April 2019. Available from: <https://www.tradewindsnews.com/casualties/1754540/european-political-support-grows-for-ship-speed-controls> A powerful multinational group is forming in support of speed reduction as a method for shipping to meet its carbon emission reduction targets.

The writing is on the wall for the world's old way of doing business. By Terry Macalister. *TradeWinds*. 18 April 2019. Available from: <https://www.tradewindsnews.com/weekly/1757755/the-writing-is-on-the-wall-for-the-worlds-old-way-of-doing-business> Shipping must learn to adapt as the political and economic norms we have taken for granted come under challenge from every direction.

WOMEN IN MARITIME: It's a balancing act. By Jillian Carson-Jackson and Jeanine Drummond. *DCN - Daily Cargo News (Australia)*. 18 April 2019. Available from: <https://www.thedcn.com.au/women-in-maritime-its-a-balancing-act/> Weathering challenges is a theme not just for Australia and this season, but for all of us in the maritime community.

Disney unleashes bevy of initiatives to foster women in maritime careers. By Anne Kalosh. *Seatrade Cruise News*. 18 April 2019. Available from: <https://bit.ly/2GtCS9N> New initiatives at Disney Cruise Line aim to inspire the next generation of female leaders in the maritime industry.

Why doesn't Asia influence world shipping more? By Santosh Patil. *Splash 247.com*. 23 April 2019. Available from: <https://splash247.com/why-doesnt-asia-influence-world-shipping-more/> Regular Splash contributor Santosh Patil questions why the world's most important region for shipping is so quiet on the international stage when it comes to the key issues hitting the industry.

Carnival dumped sewage at sea. By Rachel Knowles. *Nassau Guardian (Bahamas)*. 23 April 2019. Available from: <https://thenassauguardian.com/2019/04/23/carnival-dumped-sewage-at-sea/> Several Carnival Corporation cruise ships discharged nearly 500,000 gallons of treated sewage, which it referred to as "black water", into Bahamian waters in 2017, according to a report from a court-appointed monitor.

Sadan Kaptanoglu opens up on her plans as Bimco president. By Jonathan Boonzaier. *TradeWinds*. 23 April 2019. Available from: <https://www.tradewindsnews.com/tankers/1759671/sadan-kaptanoglu-opens-up-on-her-plans-as-bimco-president> Third-generation Turkish shipowner will become the first woman to lead the international shipping association, where the environment will top her agenda.

Shipping industry warns of uncertainty if fuel change comes in. *Radio New Zealand*. 24 April 2019. Available from: <https://www.radionz.co.nz/news/national/387668/shipping-industry-warns-of-uncertainty-if-fuel-change-comes-in> The shipping industry is warning of uncertainty and confusion when a global push for cleaner fuel hits New Zealand.

Promoting Asian women in maritime. By Brenda V. Pimentel. *Manila Times*. 24 April 2019. Available from: <https://www.manilatimes.net/promoting-asian-women-in-maritime/544415/> Three weeks has passed since the group consisting of officers and members of the Women in Maritime Philippines participated in the 6th regional WIMA-Asia conference held in Kuala Lumpur, Malaysia.

30 container ships could be sent to yards every month ahead of 2020. By Trine Vestergaard. *ShippingWatch*. 24 April 2019. Available from: <https://shippingwatch.com/secure/carriers/Container/article11335531.ece> More container ships will be taken out of service in the last months of the year to have scrubbers installed.

Slow steaming seems the only obvious way for shipping to meet carbon emissions targets. By Adam Corbett. *TradeWinds*. 24 April 2019. Available from: <https://www.tradewindsnews.com/casualties/1762766/slow-steaming-seems-the-only-obvious-way-for-shipping-to-meet-carbon-emissions-targets> The days when the term "full steam ahead" used to be associated with a ship getting underway at the start of a voyage may soon be a thing of the past, judging by the slow progress being made at the IMO over emissions reductions.

Talent management: The future has started, yesterday. *Splash 247.com*. 24 April 2019. Available from: <https://splash247.com/talent-management-the-future-has-started-yesterday/> Following on from the chief editor's reflections from Singapore Maritime Week 2019 in which he railed about weak leadership among today's c-suite of shipowners, today, Axel Knudsen, a talent optimisation consultant, and Andy Lane from CTI Consultancy explore these reflections further.

Retired naval chief criticises gender neutral ships. *BBC News*. 24 April 2019. Available from: <https://www.bbc.co.uk/news/uk-scotland-48037933> A retired naval chief has criticised using gender neutral terms for ships as "political correctness gone mad".

Digitalisation will not reinvent shipping, but raise efficiency. By Lee Hong Liang. *Seatrade Maritime News*. 25 April 2019. Available from: <http://www.seatrade-maritime.com/news/asia/digitalisation-will-not-reinvent-shipping-but-to-raise-efficiency.html> The introduction of digitalisation to the shipping sector will not reinvent the industry, but it is needed to increase efficiency according to logistics software solutions firm Singular Point.

Shipping out: Unions, industry, defence analysts concerned by shrinking merchant fleet.

By Rachel Pupazzoni. *ABC (Australia)*. 25 April 2019. Available from:

<https://www.abc.net.au/news/2019-04-26/shipping-out-unions-industry-concerned-by-run-down-in-fleet/11046456> The debate around Australia's need for a larger merchant shipping fleet has been going on since federation. [Dire straits for Australia's merchant fleet](#) 📰

Kierstin Lachtman the new head of Liberian Shipowners' Council. *Safety4Sea*. 25 April 2019.

Available from: <https://safety4sea.com/kierstin-lachtman-the-new-head-of-liberian-shipowners-council/> Kierstin Del Valle Lachtman recently became the new Secretary General of the Liberian Shipowners Council (LSC), the Liberian Registry announced.

Viewpoint: Slow boats to disaster. By Michael Grey. *Lloyd's List*. 25 April 2019. Available from:

<https://lloydslist.maritimeintelligence.informa.com/LL1127119/Viewpoint-Slow-boats-to-disaster> There are several problems about slowing ships down to such a low speed that the people who shipped the cargo forget they ever loaded it and the consignees give up in despair, including the safety of the vessel in the unpredictable elements.

Minister Ian Borg announces the appointment of a new taskforce to work towards more opportunities for women in the maritime sector. *Government of Malta*. 26 April 2019.

Available from:

<https://www.gov.mt/en/Government/DOI/Press%20Releases/Pages/2019/April/26/pr190891en.aspx> The minister commended IMLI and the IMO for always being at the forefront of UN agencies.

Cruise ship pollution is causing serious health and environmental problems.

By James Ellsmoor. *Forbes*. 26 April 2019. Available from:

<https://www.forbes.com/sites/jamesellsmoor/2019/04/26/cruise-ship-pollution-is-causing-serious-health-and-environmental-problems/> 📰 As nations strive to reduce their CO2 emissions and companies come under pressure to decrease their carbon footprint, the maritime industry is finding itself under growing scrutiny.

Lloyd's of London plots new course as storm clouds gather. By Carolyn Cohn and Jonathan Saul. *Reuters*. 26 April 2019. Available from: <https://reut.rs/2VGB99e> Lloyd's of London, the world's oldest insurer of seafaring vessels, is facing its own perfect storm.

The Lloyd's List Podcast: Here's how we decarbonise shipping. *Lloyd's List*. 26 April 2019.

Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1127234/The-Lloyds-List-Podcast-Heres-how-we-decarbonise-shipping> 🎧 The shipping industry has been a set a generational challenge — cut greenhouse gas emissions by at least 50% by 2050.

2018 IACS Annual Review. *International Association of Classification Societies (IACS)*. 2019.

Available from: <http://www.iacs.org.uk/news/2018-iacs-annual-review/> It has been a notable year for the association, which celebrated its 50th anniversary in 2018; you can read about our history inside the review ("A culture of standards excellence"). [Annual Review 2018](#) 📰

RESEARCH

The Use of Dispersants in Marine Oil Spill Response. *National Academies of Sciences, Engineering, and Medicine.* (2019). Available from: <https://www.nap.edu/catalog/25161/the-use-of-dispersants-in-marine-oil-spill-response> Whether the result of an oil well blowout, vessel collision or grounding, leaking pipeline, or other incident at sea, each marine oil spill will present unique circumstances and challenges.

Metabarcoding and machine learning analysis of environmental DNA in ballast water arriving to hub ports. By W. A. Gerhard, C. K. Gunsch. *Environment International.* (2019). Available from: <http://www.sciencedirect.com/science/article/pii/S0160412018324115> While ballast water has long been linked to the global transport of invasive species, little is known about its microbiome.

The rise in ocean plastics evidenced from a 60-year time series. By C. Ostle, R. C. Thompson et al. *Nature Communications.* (2019). Available from: <https://doi.org/10.1038/s41467-019-09506-1> Plastic production has increased exponentially since its use became widespread in the 1950s.

Multi-faceted particle pumps drive carbon sequestration in the ocean. By P. W. Boyd, H. Claustre et al. *Nature.* (2019). Available from: <https://doi.org/10.1038/s41586-019-1098-2> The ocean's ability to sequester carbon away from the atmosphere exerts an important control on global climate.

Foresight must guide geoengineering research and development. By A. Lenton, P. W. Boyd et al. *Nature Climate Change.* (2019). Available from: <https://doi.org/10.1038/s41558-019-0467-z> Large-scale climate geoengineering will probably be required to limit warming to well below 2 °C, in line with the 2015 Paris Agreement.

Unravelling Persistent Problems to Transformative Marine Governance. By C. Kelly, G. Ellis et al. *Frontiers in Marine Science.* (2019). Available from: <https://www.frontiersin.org/article/10.3389/fmars.2019.00213> Coasts are dynamic socio-ecological systems, subject to increasing anthropogenic pressures that present complex challenges for the design of effective coastal and marine governance systems.

Antarctica: The final frontier for marine biological invasions. By A. H. McCarthy, L. S. Peck et al. *Global Change Biology.* (2019). Available from: <https://doi.org/10.1111/gcb.14600> Antarctica is experiencing significant ecological and environmental change, which may facilitate the establishment of non-native marine species.

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.