



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

INTERNATIONAL MARITIME ORGANIZATION

MARITIME KNOWLEDGE CENTRE (MKC)

“Sharing Maritime Knowledge”

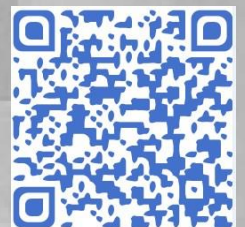
CURRENT AWARENESS BULLETIN

MARCH 2019

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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](#).

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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.

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IMO NEWS & EVENTS

WHAT'S NEW

Precautionary approach over marine geoengineering solutions for climate change

Adding iron or other nutrients into the oceans to enhance natural processes to draw carbon from the atmosphere and creating foams which float on the surface of the sea to reflect sunlight back into the atmosphere are among a wide range of geoengineering practices which have been put forward as potential tools for countering climate change.

But, in a new [report](#), marine and social scientists are urging a precautionary approach towards these techniques which involve deliberate large-scale manipulation of the environment.

The report, published by the Joint Group of Experts on the Scientific Aspects of Marine Environmental Protection (GESAMP), a body that advises the United Nations system on the scientific aspects of marine environmental protection, says that a coordinated framework for proposing and assessing marine geoengineering activities should be developed. [More...](#)

IMO MEETINGS FOR 2019

[Legal Committee \(LEG\), 106th session](#) 27-29 March 2019

[Sub-Committee on Ship Systems and Equipment \(SSE\), 6th session](#) 4-8 March 2019

LATEST PRESS BRIEFINGS

[GloFouling project kicks off to protect marine biodiversity](#)

Briefing: 05, March 22, 2019

RECENT SPEECHES BY IMO SECRETARY-GENERAL KITACK LIM

Legal Committee (LEG), 106th session 27-29 March 2019 ([Opening](#) Speech)

European Community Shipowners Association seminar, Brussels, Belgium, 7 March 2019 ([Opening](#) Remarks)

[10th IPTA-Navigate Chemical and Product Tanker Conference, London](#), 5 March 2019

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

IMO PUBLISHING

[Just Published 2019](#)

[March 2019 Newsletter](#)

UNITED NATIONS

World Wildlife Day 3 March - Life below water : for people and planet. *World Wildlife Day.* 2019. Available from: <https://www.wildlifeday.org/> On 20 December 2013, at its 68th session, the United Nations General Assembly (UNGA) proclaimed 3 March, the day of signature of the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES), as UN World Wildlife Day to celebrate and raise awareness of the world's wild animals and plants.

Life below water matters. *United Nations Conference on Trade and Development (UNCTAD).* 28 February 2019. Available from: <https://unctad.org/en/pages/newsdetails.aspx?OriginalVersionID=2001> For the first time, World Wildlife Day focuses on the grave threats facing our oceans and life under the surface, on which billions of families around the world depend.

UN celebrates marine species for World Wildlife Day with moving pictures. *Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES).* 1 March 2019. Available from: https://www.cites.org/eng/news/UN-celebrates-marine-species-for-World-Wildlife-Day-with-moving-pictures_01032019 Jackson Hole WILD, the CITES Secretariat and UNDP announced today the winners of the World Wildlife Day 2019 Living Oceans Showcase.

Work-related gender gaps persist but solutions are clear - new ILO report. *International Labour Organization (ILO).* 7 March 2019. Available from: https://www.ilo.org/global/about-the-ilo/newsroom/news/WCMS_674816/lang--en/index.htm Work-related gender gaps have not seen any meaningful improvement for 20 years, but a new ILO report says that the path to progress is clear. [A quantum leap for gender equality: For a better future of work for all](#)
[A quantum leap for gender equality](#)

Women's empowerment 'essential to global progress' says Guterres, marking International Day. *UN News.* 8 March 2019. Available from: <https://news.un.org/en/story/2019/03/1034241> Women's empowerment and gender equality are "essential to global progress", United Nations Secretary-General António Guterres stressed in his message for International Women's Day which this year puts "innovation by women and girls, for women and girls", at the heart of efforts to achieve gender equality.

World leaders gather at UN's top environmental body to ramp up solutions for sustainable economies. *United Nations Environment Programme (UNEP).* 10 March 2019. Available from: <https://www.unenvironment.org/news-and-stories/press-release/world-leaders-gather-uns-top-environmental-body-ramp-solutions> Over 4,700 people gather to consider new policies, technologies and innovative solutions for achieving sustainable consumption and production.

Annual UN women activists' summit opens with focus on services, infrastructure. *UN News.* 11 March 2019. Available from: <https://news.un.org/en/story/2019/03/1034441> Addressing the 63rd session of the UN Commission on the Status of Women (CSW) in a joint speech, Muniba Mazari and Mary Fatiya, both asked for basic social protections to be extended to women and girls around the world, based on need, and in line with their inalienable human rights.

From cartons to carpets: rethinking plastic waste. *United Nations Environment Programme (UNEP).* 14 March 2019. Available from: <https://www.unenvironment.org/news-and-stories/story/cartons-carpets-rethinking-plastic-waste> Found throughout Ghana and known locally as jerrycans, the plastic containers have become synonymous with serious water shortages in Accra, and block waterways when they are discarded.

World pledges to protect polluted, degraded planet as it adopts blueprint for more sustainable future. *United Nations Environment Programme (UNEP)*. 15 March 2019.

Available from: <https://www.unenvironment.org/news-and-stories/press-release/world-pledges-protect-polluted-degraded-planet-it-adopts-blueprint> At a meeting of the world's top environmental body, ministers lay groundwork for a new model of development to protect planet's degraded resources.

UN launches 'South-South Galaxy' knowledge-sharing platform in Buenos Aires. *UN News*.

19 March 2019. Available from: <https://news.un.org/en/story/2019/03/1035001> When countries of the Global South forged an historic technical cooperation deal among themselves 40 years ago, digital technology was a thing of the future, but developing nations have come a long way since then.

UN launches drive to highlight environmental cost of staying fashionable. *UN News*.

25 March 2019. Available from: <https://news.un.org/en/story/2019/03/1035161> When we think of industries that are having a harmful effect on the environment, manufacturing, energy, transport and even food production might come to mind.

'Revved up climate action' needed to counter 'prolonged' and deadly storms like Cyclone Idai:

Guterres. *UN News*. 26 March 2019. Available from: <https://news.un.org/en/story/2019/03/1035431> "Such events are becoming more frequent, more severe and more widespread, and this will only get worse if we do not act now", said the UN chief.

CASUALTIES

NZ step in to assist in environmental disaster in Solomon Islands. *Pacific Islands News Association (PINA)*.

28 February 2019. Available from: <http://www.pina.com.fj/index.php?p=pacnews&m=read&o=5849012455c7858c21c759ae0b3ec9> New Zealand is working alongside the Government of Australia to assist the Solomon Islands Government as it manages the disastrous heavy fuel oil spill at Kangava Bay, West Rennell.

Alarm over failure to deal with Solomon Islands oil spill threat. **By Lisa Martin.** *The Guardian*.

1 March 2019. Available from: <https://www.theguardian.com/world/2019/mar/01/solomon-islands-oil-spill-threat-failure> The environmental damage from an oil spill in the Solomon Islands has been worsened by a bauxite mining company's continued loading operations near the site where a \$30m bulk carrier went aground last month.

Russian cargo ship slams into highway bridge in Busan. **By Jason Jiang.** *Splash 247.com*.

1 March 2019. Available from: <https://splash247.com/russian-cargo-ship-slams-into-highway-bridge-in-busan/> A Russian cargo ship sailed off course and slammed into a bridge in Busan, South Korea yesterday with the captain found to be under the influence of alcohol.

Australia warns all 660 tons of bunker fuel could leak from grounded Solomon Trader.

By Sam Chambers. *Splash 247.com*. 1 March 2019. Available from: <https://splash247.com/australia-warns-all-660-tons-of-bunker-fuel-could-leak-from-grounded-solomon-trader/> More than 80 tons of heavy bunker fuel has now spilled from the hull of the grounded *Solomon Trader* bulker with Australian authorities warning yesterday that all 660 tons of the fuel onboard could leak soon unless urgent action is taken.

3 vessels run aground amid high waves in Sharjah, Ajman. **By Aghaddir Ali.** *Gulf News (UAE)*.

2 March 2019. Available from: <https://gulfnews.com/uae/3-vessels-run-aground-amid-high-waves-in-sharjah-ajman-1.62412409> Three vessels ran aground on Friday and Saturday, amid high waves and heavy winds in Sharjah and Ajman.

Australia ramps up help for Solomons' oil spill. By Evan Wasuka. ABC (Australia).

4 March 2019. Available from: <https://www.abc.net.au/radio-australia/programs/pacificbeat/australia-ramps-up-help-for-solomons-oil-spill/10866470> 

Australia will provide further help to Solomon Islands as it struggles to deal with a looming environmental disaster, caused by oil spilling from a grounded ship near the remote island of Rennell in the country's south.

LPG carrier fire at Kerch Strait finally burns out. Maritime Executive. 4 March 2019.

Available from: <https://www.maritime-executive.com/article/lpg-tanker-fire-at-kerch-strait-finally-burns-out> A month and a half after two LPG tankers caught fire near the Kerch Strait, the blaze has finally burnt out, according to Russia's Federal Agency for Maritime and River Transport (Rosmorrechflot).

Supply tanker oil spill in Port aux Basques harbour under investigation. Canadian Broadcasting Corporation (CBC). 4 March 2019. Available from:

<https://www.cbc.ca/news/canada/newfoundland-labrador/oil-spill-supply-tanker-port-aux-basques-1.5042049> After "a noticeable oil sheen" was spotted on water in the Port Aux Basques harbour Sunday afternoon, Marine Atlantic sprang into action, says a spokesperson for Marine Atlantic.

Villagers reveal more to oil spill tragedy. By Carlos Aruafu. Solomon Star (Solomon Islands).

5 March 2019. Available from: <http://www.solomonstarnews.com/index.php/news/national/item/21420-villagers-reveal-more-to-oil-spill-tragedy> Two barge-full of bauxite were thrown overboard on the day the stricken bulk carrier Solomon Trader ran aground on Rennell island.

Paradise lost in the Solomon Islands. By Alan Boyd. Asia Times. 5 March 2019. Available from:

<https://www.asiatimes.com/2019/03/article/paradise-lost-in-the-solomon-islands/> Villagers on a Solomons island devastated by an oil spill from a beached ship have appealed for urgent food and water supplies, as tensions rise with the Asian miners they blame for the unfolding environmental disaster.

'We cannot swim, we cannot eat': Solomon Islands struggle with nation's worst oil spill.

By Eddie Osifelo and Lisa Martin. The Guardian. 6 March 2019. Available from: <https://www.theguardian.com/environment/2019/mar/06/solomon-islanders-suffer-worst-oil-spill-nations-history-bulk-carrier-bauxite> On a normal weekend, the waters of Kangava Bay would be busy with children playing or collecting clam shells and villagers heading out to catch reef fish to eat.


Owner and insurer apologise for Solomons oil spill. Radio New Zealand. 6 March 2019.

Available from: <https://www.radionz.co.nz/international/pacific-news/384114/owner-and-insurer-apologise-for-solomons-oil-spill> The insurer and owner of the ship responsible for one of Solomon Islands' worst man-made disasters have apologised to the people of the country.

Solomon Trader's previous reef grounding revealed. By Gary Dixon. TradeWinds.

8 March 2019. Available from: <https://www.tradewindsnews.com/casualties/1723691/solomon-traders-previous-reef-grounding-revealed> The bulker leaking fuel on to a Solomon Islands reef previously ran aground in Australia's Great Barrier Reef under another name.

80 injured after ferry apparently hits whale. NHK World (Japan Broadcasting Corporation).

9 March 2019. Available from: https://www3.nhk.or.jp/nhkworld/en/news/20190309_26/  The Japan Coast Guard says at least 80 people have been injured after a jetfoil ferry hit an object in the Sea of Japan.

Oil spill ruins MPA. Solomon Star (Solomon Islands). 10 March 2019. Available from:

<http://www.solomonstarnews.com/index.php/news/national/item/21437-oil-spill-ruins-mpa> The Marine Protected Area (MPA) at Lavangu Bay was completely destroyed by spilled oil from the wrecked *MV Solomon Trader* that runs aground inside the MPA boundary.

Solomons' laws can't cope with oil spill - PM. *Radio New Zealand*. 11 March 2019.

Available from: <https://www.radionz.co.nz/international/pacific-news/384470/solomons-laws-can-t-cope-with-oil-spill-pm> Solomon Islands environmental laws are inadequate for disasters like the Rennell oil spill, the country's prime minister says.

Salvors succeed in containing Solomon Trader spill. By Sam Chambers. *Splash 247.com*.

11 March 2019. Available from: <https://splash247.com/salvors-succeed-in-containing-solomon-trader-spill/> A successful salvage operation over the weekend has finally staunched the flow of bunker fuel from a grounded bulker in a UNESCO World Heritage site in the Solomon Islands.

HMS Argyll rescues 27 crew from blazing ship. *Royal Navy*. 11 March 2019. Available from:

<https://www.royalnavy.mod.uk/news-and-latest-activity/news/2019/march/11/hms-argyll-rescues-27-crew-from-blazing-ship> The crew of *HMS Argyll* spent eight hours saving every soul aboard the *Grande America* in the Bay of Biscay after the ship's cargo of containers and cars caught fire.

'Dangerous materials' in sunken cargo ship off France: authorities. *Phys.Org*. 13 March 2019.

Available from: <https://phys.org/news/2019-03-dangerous-materials-sunken-cargo-ship.html> French authorities said Wednesday that an Italian cargo ship which sank in the Atlantic was carrying 45 containers of "dangerous materials."

Oil spill heading to Brittany coast after cargo ship sinks. *Radio France Internationale (RFI)*.

14 March 2019. Available from: <http://en.rfi.fr/france/20190314-oil-spill-heading-brittany-coast-after-cargo-ship-sinks> French authorities are rushing to stop an oil slick reaching the French coastline after an Italian cargo ship carrying 45 containers of "dangerous materials" and some 2,200 of fuel sank in the Atlantic.

Oil slick threatens French coast after cargo ship sinks. *France 24*. 14 March 2019.

Available from: <https://www.france24.com/en/20190314-oil-slick-threatens-france-brittany-coast-grande-america-ship-sinks> An oil slick was heading towards the French coastline on Thursday after an Italian cargo ship sank in the Atlantic carrying 45 containers of "dangerous materials".

Devastating heavy fuel oil spill in Solomon Islands highlights risks of world's dirtiest fuel.

By Sarah Bobbe. *Ocean Conservancy*. 14 March 2019. Available from:

<https://oceanconservancy.org/blog/2019/03/14/devastating-heavy-fuel-oil-spill-solomon-islands-highlights-risks-worlds-dirtiest-fuel/> On February 5th, the *MV Solomon Trader* (a Hong Kong-flagged bulk carrier) lost its mooring and ran aground on a coral reef off the island of Rennell in the southern Solomon Islands.

Grimaldi Group and the Grande America incident: Priority given to antipollution measures.

Grimaldi Group. 14 March 2019. Available from: https://www.grimaldi.napoli.it/en/read_146.html

Following the sinking of the RoRo container vessel *Grande America*, the Grimaldi Group wishes to make the following update.

Expert comment on the Grande America oil spill. *University of Warwick (UK)*. 14 March 2019.

Available from:

https://warwick.ac.uk/newsandevents/expertcomment/expert_comment_on_the_grande_america_oil_spill1 An Italian cargo ship carrying 45 containers of "dangerous materials" has sunk in the Atlantic and leaked a sheet of oil reported as 10 kilometres long and one km wide.

Abandoned migrant ship sinks in Kato Pyrgos harbour, causes pollution. By Evie Andreou.

Cyprus Mail. 15 March 2019. Available from: <https://cyprus-mail.com/2019/03/15/abandoned-migrant-ship-sinks-in-kato-pyrgos-harbour-causes-pollution/> KATO Pyrgos community council has expressed deep concern after a second boat from those that had carried Syrian refugees and had been seized by authorities sank at the local harbour causing marine pollution.

"Grande America", the prosecutor of Brest investigates. By Francesco Margiocco.

MediTelegraph (Italy). 15 March 2019. Available from: <https://bit.ly/2TYwdl1> The first black spots are expected on the beaches of the Charente Maritime between Sunday and Monday.

France begins clean-up operation after cargo ship oil spill. France 24. 16 March 2019.

Available from: <https://www.france24.com/en/20190316-grande-america-starts-clean-prevent-oil-spill-damage-after-cargo-shipwreck> French authorities began a clean-up operation on Friday after the Italian container ship "Grande America" sank off the French Atlantic Coast while carrying 2,200 tonnes of heavy fuel.

An analysis of MSC Zoe's container loss. By Gunter Schütze. Maritime Executive.

16 March 2019. Available from: <https://maritime-executive.com/editorials/an-analysis-of-msc-zoe-s-container-loss> On the night of January 1, 2019, MSC Zoe lost approximately 290 containers in heavy weather on the journey from Portugal to Bremerhaven.

Relatives call for fresh search for Stellar Daisy crew. By Adam Corbett. TradeWinds.

17 March 2019. Available from: <https://www.tradewindsnews.com/casualties/1729373/relatives-call-for-fresh-search-for-stellar-daisy-crew> A second underwater survey of the wreck of the ore carrier *Stellar Daisy* (built 1993) is being considered - this time to recover the bodies of missing seafarers.

Tanker grounds in Greek waters. MediTelegraph (Italy). 19 March 2019. Available from:

<https://bit.ly/2Uj9LOT> A small clean tanker ran aground near the Port of Gavrio, Andros island in Greece, on March 16.

Iranian cargo ship capsizes in Bandar Abbas, all crew rescued. MEHR News Agency (Iran).

19 March 2019. Available from: <https://en.mehrnews.com/news/143538/Iranian-cargo-ship-capsizes-in-Bandar-Abbas-all-crew-rescued> The 90-meter long *LS Star* vessel completely overturned in the 25th quay of Shahid Rajaei Port in Bandar Abbas on Tuesday.

France to inspect Grande America wreck for pollution risk. By Adam Corbett. TradeWinds.

20 March 2019. Available from: <https://www.tradewindsnews.com/casualties/1733847/france-to-inspect-grande-america-wreck-for-pollution-risk> France is to send a remotely operated vehicle to inspect the wreck of the sunken *Grande America* to assess if it represents a hazard to the environment and requires removal.

2 killed, one injured in oil tanker fire off southern coast. Yonhap News Agency (South Korea).

20 March 2019. Available from: <https://en.yna.co.kr/view/AEN20190320005700315> Two sailors were killed and another injured after a fire broke out on an oil tanker off the southern coast of South Korea on Wednesday, rescue officials said.

Preventing another Exxon Valdez disaster. By Andrew Hartsig. Ocean Conservancy.

20 March 2019. Available from: <https://oceanconservancy.org/blog/2019/03/20/preventing-another-exxon-valdez-disaster/> Thirty years ago-just after midnight on March 24, 1989-the tanker *Exxon Valdez* ran aground in Alaska's Prince William Sound.

Grande America oil spill. Phys.Org. 21 March 2019. Available from: <https://phys.org/news/2019-03-image-grande-america-oil.html>

Captured just yesterday, 19 March, at 17:11 GMT (18:11 CET) by the Copernicus Sentinel-1 mission, this image shows the oil spill from the *Grande America* vessel.

Contact with wharf by livestock carrier Angus Express at Broome, Western Australia on

20 April 2018. Australian Transport Safety Bureau (ATSB). 20 March 2019. Available from:

https://www.atsb.gov.au/publications/investigation_reports/2018/mair/343-mo-2018-006/ At about 0600 Western Standard Time on 20 April 2018, the 103 m livestock carrier *Angus Express* (Cover) arrived at the Broome, Western Australia, pilot boarding ground. [Final Report](#)

Iraq ferry sinking: 'Nearly 100 dead' in Tigris river. *BBC News*. 21 March 2019. Available from: <https://www.bbc.co.uk/news/world-middle-east-47657105> Almost 100 people are reported to have died after a ferry sank in the Tigris river in Iraq's city of Mosul.

Scores dead as ferry sinks in Tigris River near Iraq's Mosul. *Aljazeera*. 21 March 2019. Available from: <https://www.aljazeera.com/news/2019/03/killed-ferry-sinks-tigris-river-iraq-mosul-190321133510486.html> Dozens of people have died after a ferry carrying about 200 people celebrating the Nowruz holiday capsized in the Tigris River near the Iraqi city of Mosul.

Exxon Valdez 30 years on. By Sian Prior, Eelco Leemans, and Dave Walsh. *Splash 247.com*. 22 March 2019. Available from: <https://splash247.com/exxon-valdez-30-years-on/> This Sunday, Alaskans will mark the 30th anniversary of the *Exxon Valdez* disaster, when, due to human error, a single-hulled oil tanker struck a reef in Prince William Sound, eventually releasing 35,000 tonnes of crude oil.

Comment: As the Solomon Trader Disaster Shows, 30 Years after Exxon Valdez, Nowhere is Safe from Oil Spills - including the Arctic. *Clean Arctic Alliance*. 22 March 2019. Available from: <https://www.hfofreearctic.org/en/2019/03/22/comment-as-the-solomon-trader-disaster-shows-nowhere-is-safe-from-oil-spills/> This March 24, Alaskans will mark the 30th anniversary of the *Exxon Valdez* disaster, when, due to human error, a single-hulled oil tanker struck a reef in Prince William Sound, eventually releasing 35,000 tonnes of crude oil.

Exxon Valdez changed the oil industry forever-but new threats emerge. By Stephen Leahy. *National Geographic*. 22 March 2019. Available from: <https://www.nationalgeographic.com/environment/2019/03/oil-spills-30-years-after-exxon-valdez/> The *Exxon Valdez* was the worst oil spill in U.S. waters until the *Deepwater Horizon* oil spill in 2010.

Crewman killed on ICG ro-pax. *TradeWinds*. 22 March 2019. Available from: <https://www.tradewindsnews.com/casualties/1736138/crewman-killed-on-icg-ro-pax> Police were cited by the Irish Times as saying the incident happened during loading of the 34,000-gt *Isle of Inishmore* (built 1997) at Rosslare on Thursday.

Viking Sky reaches port in Norway after harrowing helicopter rescues. By Richard Meade. *Lloyd's List*. 23 March 2019. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1126756/Viking-Sky-reaches-port-in-Norway-after-harrowing-helicopter-rescues> Crew of general cargo vessel *Hagland Captain*, which also suffered engine failure in the same storm, are also rescued in a weekend of dramatic scenes off the west coast of Norway.

Viking cruise ship being evacuated at notorious spot off Norway. By Julian Bray, Michael Juliano, and Gary Dixon. *TradeWinds*. 23 March 2019. Available from: <https://www.tradewindsnews.com/passengerships/1737205/viking-cruise-ship-being-evacuated-at-notorious-spot-off-norway> Around 1,300 passengers and crew were being evacuated by air and sea from the cruise ship *Viking Sky* which lost power in stormy seas off a treacherous part of the Norwegian coast.

Norway cruise ship arrives at port after passenger airlifts. *BBC News*. 24 March 2019. Available from: <https://www.bbc.co.uk/news/world-europe-47685595> A cruise ship that got into trouble off the Norwegian coast has arrived safely at the port of Molde after the dramatic rescue of hundreds of people.

Solomon Islands oil spill has not reached protected area - UNESCO. *Radio New Zealand*. 25 March 2019. Available from: <https://www.radionz.co.nz/international/pacific-news/385525/solomon-islands-oil-spill-has-not-reached-protected-area-unesco> The UN's cultural body, UNESCO, says no oil from a disastrous spill in the Solomon Islands has reached a protected heritage site.

Solomon Islands to change shipping laws after oil spill. *Radio New Zealand*. 25 March 2019. Available from: <https://www.radionz.co.nz/international/pacific-news/385499/solomon-islands-to-change-shipping-laws-after-oil-spill> Solomon Islands will change its shipping laws after the recent disastrous oil spill near a marine reserve.

Investigators board *Viking Sky* as questions are raised over engine failure. By Richard Meade. *Lloyd's List*. 25 March 2019. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1126773/Investigators-board-Viking-Sky-as-questions-are-raised-over-engine-failure> Teams of investigators, local police and class surveyors boarded the cruise ship *Viking Sky* on Monday shortly after the final passengers were disembarked in Molde, west Norway, having narrowly escaped disaster when the ship's engines failed during a storm.

Status on the follow-up of "*Viking Sky*" and "*Hagland Captain*". *Norwegian Maritime Authority*. 25 March 2019. Available from: <https://bit.ly/2Vwxyao> The first inspection was carried out onboard «*Viking Sky*» today.

Update on the Norwegian Maritime Authority's work on "*Viking Sky*". *Norwegian Maritime Authority*. 27 March 2019. Available from: <https://bit.ly/2lcYB76> The NMA is working closely with the shipowner and the classification society to identify the specific cause for the blackout.

***Viking Sky*.** *Norwegian Maritime Authority*. 27 March 2019. Available from: <https://www.sdir.no/en/news/news-from-the-nma/press-release-viking-sky/> Throughout the night, the NMA has worked together with the ship's classification society, Lloyd's, and the company in order to identify the reason why the *Viking Sky* suffered power "blackout" at Hustadvika in challenging weather conditions on Saturday 23 March.

Surveyors investigate collision of LNG carrier and VLCC. By Lucy Hine. *TradeWinds*. 28 March 2019. Available from: <https://www.tradewindsnews.com/casualties/1740605/surveyors-investigate-collision-of-lng-carrier-and-vlcc> Investigations are continuing into the likely cause of a collision between an LNG carrier and a VLCC off Fujairah on Sunday night.

Accident Investigation Report 4/2019: Collision between ro-ro passenger ferry *Red Falcon* and motor cruiser *Phoenix*. *UK Marine Accident Investigation Branch (MAIB)*. 28 March 2019. Available from: <https://www.gov.uk/maib-reports/collision-between-ro-ro-passenger-ferry-red-falcon-and-motor-cruiser-phoenix> On 29 September 2018, the UK registered roll-on roll-off passenger ferry *Red Falcon* and the privately-owned motor cruiser *Phoenix* collided in the Thorn Channel, Southampton, England. [Report](#)

***Viking Sky* incident raises concerns over Solas failings.** By Adam Corbett. *TradeWinds*. 28 March 2019. Available from: <https://www.tradewindsnews.com/casualties/1739662/viking-sky-incident-raises-concerns-over-solas-failings> The dramatic air evacuation of the cruiseship *Viking Sky*, which was caught in a storm without power off Norway putting 1,300 lives at risk, will raise serious questions over the adequacy of industry safety regulations.

***Grande America*: pollution drifts towards Spain.** *MediTelegraph (Italy)*. 28 March 2019. Available from: <http://www.themeditelegraph.com/en/shipping/2019/03/28/grande-america-pollution-drifts-towards-spain-9ShEO40q9fm8pgHtZwK1CK/index.html> The coastline of New Aquitaine could be largely spared by pollution from the sinking of the freighter *Grande America* in the Bay of Biscay, the oil slick having curved its movement to Spain, as reported Thursday by the Atlantic Maritime Prefecture.

Two years on from *Stellar Daisy* sinking and we are none the wiser. By Nidaa Bakhsh.

Lloyd's List. 28 March 2019. Available from:

<https://lloydslist.maritimeintelligence.informa.com/LL1126811/Two-years-on-from-Stellar-Daisy-sinking-and-we-are-none-the-wiser> This week marks a significant moment for the shipping world, but for all the wrong reasons.

ENVIRONMENT

Climate change shrinks many fisheries globally, Rutgers-Led study finds. *Rutgers University (US)*. 27 February 2019. Available from: <https://news.rutgers.edu/climate-change-shrinks-many-fisheries-globally-rutgers-led-study-finds/20190221> Climate change has taken a toll on many of the world's fisheries, and overfishing has magnified the problem, according to a Rutgers-led study in the journal *Science* today.

World Wildlife Day 2019: The 15 Biggest Threats to the World's Oceans. By Eve Watling and David Sim. *Newsweek*. 3 March 2019. Available from: <https://www.newsweek.com/world-wildlife-day-2019-oceans-pollution-global-warming-1349026> For the first time, the UN's World Wildlife Day is highlighting threats to marine life.

Frontiers 2018/19: Emerging issues of environmental concern. *United Nations Environment Programme*. 4 March 2019. Available from: <https://www.unenvironment.org/resources/frontiers-201819-emerging-issues-environmental-concern> From the innovations and ethical dilemmas of synthetic biology to the options for appropriate international adaptation to climate change: *Frontiers 2018/19* explores the emerging environmental issues facing the planet.

Alliance to save blue whales from ships stalled by Sri Lanka. By Maria Cheng.

ABC News (US). 5 March 2019. Available

from: <https://abcnews.go.com/Technology/wireStory/unusual-alliance-sri-lanka-forged-save-blue-whales-61473352> When the feeding grounds of blue whales overlap with busy shipping lanes, business interests often supersede those of the endangered marine mammals.

World Ocean Summit: Arabian Gulf faces climate change challenge. By John Dennehy.

The National (United Arab Emirates). 5 March 2019. Available from:

<https://www.thenational.ae/uae/environment/world-ocean-summit-arabian-gulf-faces-climate-change-challenge-1.833512> Environmental leaders have warned that the Arabian Gulf faces a daunting challenge in combating climate change.

UAE governs healthiest oceans in region according to latest Ocean Health Index, says

Abdullah bin Zayed. *Emirates News Agency (UAE)*. 5 March 2019. Available from:

<http://wam.ae/en/details/1395302744665> With effective and timely action, the world's most valuable resource - its oceans - could be saved.

UN Environment Acting Executive Director issues forceful appeal ahead of UN Environment Assembly. *United Nations Environment Programme (UNEP)*. 6 March 2019. Available from:

<https://www.unenvironment.org/news-and-stories/press-release/un-environment-acting-executive-director-issues-forceful-appeal> UN Environment Acting Executive Director Joyce Msuya has issued a forceful call to action ahead of the Fourth UN Environment Assembly, which will gather in Nairobi from 11-15 March.

Research key to boosting benefits of large marine protected areas. By Angelo O'Connor Villagomez. *Pew Charitable Trusts*. 7 March 2019. Available from:

<https://www.pewtrusts.org/en/research-and-analysis/articles/2019/03/07/research-key-to-boosting-benefits-of-large-marine-protected-areas> Although much scientific study and planning is involved at every stage of creating large, remote, offshore marine protected areas (MPAs), even ocean science experts concede they have limited knowledge of these regions.

What's the cost of your search? *United Nations Environment Programme (UNEP)*. 11 March 2019. Available from: <https://www.unenvironment.org/news-and-stories/story/whats-cost-your-search> Did you know that streaming a film online, or searching for the answer to a question, costs the environment?

Liberia to host first Blue Oceans Confab. By David A. Yates. *Daily Observer (Liberia)*. 12 March 2019. Available from: <https://www.liberianobserver.com/news/liberia-to-host-first-blue-oceans-confab/> The Liberian government in partnership with the Embassy of Sweden in Monrovia and Conservation International (CI) have scheduled a 'Blue Ocean Conference' in Monrovia from March 18 – 21, 2019.

Flipflop drops anchor at UN Environment Assembly to inspire decision makers to reimagine the world. *United Nations Environment Programme (UNEP)*. 12 March 2019. Available from: <https://www.unenvironment.org/news-and-stories/story/flipflop-drops-anchor-un-summit-inspire-decision-makers-reimagine-world> As delegates made their way into the UN Environmental summit in Nairobi this week, many were pulled up short by the sight of a rainbow-hued traditional dhow boat resting serenely on the grass.

Can we tweak marine chemistry to help stave off climate change? By Wil Burns and Greg H. Rau. *The Conversation*. 12 March 2019. Available from: <https://theconversation.com/can-we-tweak-marine-chemistry-to-help-stave-off-climate-change-93174> The world's nations are nowhere near to meeting the global Paris Agreement's goals on climate change of holding global temperature increases to 2 degrees Celsius compared to 19th-century averages, much less its more aspirational goal of holding temperatures to a 1.5°C rise.

Human health in dire straits if urgent actions are not made to protect the environment, warns landmark UN report. *United Nations Environment Programme (UNEP)*. 13 March 2019. Available from: <https://www.unenvironment.org/news-and-stories/press-release/human-health-dire-straits-if-urgent-actions-are-not-made-protect> The most comprehensive and rigorous assessment on the state of the environment completed by the UN in the last five years was published today, warning that damage to the planet is so dire that people's health will be increasingly threatened unless urgent action is taken. [Global Environment Outlook 6](#)

Why scientists should support the youth climate strike. *Scientific American*. 14 March 2019. Available from: <https://blogs.scientificamerican.com/observations/why-scientists-should-support-the-youth-climate-strike/> Over the past few months, young people around the world have been protesting inaction on climate change by leaving their classrooms and marching in the streets.

Protecting the environment in Mozambique's emerging oil and gas sector. *United Nations Environment Programme (UNEP)*. 18 March 2019. Available from: <https://www.unenvironment.org/news-and-stories/press-release/protecting-environment-mozambiques-emerging-oil-and-gas-sector> Mozambique is expected to become the world's third largest natural gas exporter.

Future of the blue planet: Parliament conference on oceans. *European Parliament*. 19 February 2019. Available from: <http://www.europarl.europa.eu/news/en/headlines/eu-affairs/20190213STO26336/future-of-the-blue-planet-parliament-conference-on-oceans> On 19 March, the Parliament, together with the European Commission, will host a conference on the future of oceans, with panel discussions covering global ocean governance; sustainable blue economy; and healthy, clean seas and oceans.

Ocean Acidification Awareness Takes Center Stage in Liberia. *Front Page Africa (Liberia)*. 23 March 2019. Available from: <https://frontpageafricaonline.com/news/ocean-acidification-awareness-takes-center-stage-in-liberia/> A high-level panel comprising of Marine and Environmental Scientists from across Africa under the banner, Ocean Acidification Africa network has called for robust regional cooperation in tackling ocean acidification.

Leaders told to bring plans, not speeches to UN climate summit. By Karl Mathiesen.

Climate Home News. 25 March 2019. Available from:

<https://www.climatechangenews.com/2019/03/25/leaders-told-to-bring-plans-not-speeches-to-un-climate-summit/> The UN secretary general is calling on world leaders to bring plans, not speeches to a climate summit he is hosting in September.

State of the Climate in 2018 shows accelerating climate change impacts.

World Meteorological Organization (WMO). 28 March 2019. Available from:

<https://public.wmo.int/en/media/press-release/state-of-climate-2018-shows-accelerating-climate-change-impacts> The physical signs and socio-economic impacts of climate change are accelerating as record greenhouse gas concentrations drive global temperatures towards increasingly dangerous levels, according to a new report from the World Meteorological Organization. [WMO Statement on the State of the Global Climate in 2018](#)

World Meteorological Day The Sun, the Earth and the Weather 23 March 2019.

World Meteorological Organization (WMO). March 2019. Available from:

<https://worldmetday.wmo.int/> The Sun delivers the energy that powers all life on Earth.

ENVIRONMENTAL POLLUTION

A troubling discovery in the deepest ocean trenches. By Ed Yong. *The Atlantic*.

27 February 2019. Available from: <https://bit.ly/2IFERLg> In the Mariana Trench, the lowest point in any ocean, every tiny animal tested had plastic pollution hiding in its gut.

Radiography of marine litter in Spanish waters. *Phys.Org*. 1 March 2019. Available from:

<https://phys.org/news/2019-03-radiography-marine-litter-spanish.html> Marine litter is a growing problem in the Mediterranean Sea, but few studies have focused on its composition, spatial distribution and temporal evolution.

Airlines lack clear flight path to lower carbon emissions: researchers. By Shannon Larson.

Reuters. 5 March 2019. Available from: <https://reut.rs/2VnHZgt> Some of the world's largest airlines have yet to set long-term targets to reduce their climate-changing emissions, climate and economic researchers warned Tuesday.

Biosecurity threat sees dirty-bottomed boats ordered out of New Zealand waters.

By Amanda Cropp. *Stuff (New Zealand)*. 10 March 2019. Available from:

<https://www.stuff.co.nz/business/111015084/biosecurity-threat-sees-dirtybottomed-boats-ordered-out-of-new-zealand-waters> More dirty-bottomed ships are getting the heave-ho from New Zealand ports with some forced to leave halfway through unloading cargo and pay for costly offshore clean ups.

Vibration isolation specialist says onboard sound control 'more relevant than ever'.

Seatrade Cruise News. 11 March 2019. Available from: [http://www.seatrade-](http://www.seatrade-cruise.com/news/news-headlines/vibration-isolation-specialist-says-onboard-sound-control-more-relevant-than-ever.html)

[cruise.com/news/news-headlines/vibration-isolation-specialist-says-onboard-sound-control-more-relevant-than-ever.html](http://www.seatrade-cruise.com/news/news-headlines/vibration-isolation-specialist-says-onboard-sound-control-more-relevant-than-ever.html) The issue of sound control on ships is more relevant than ever, as the importance of climate and environmental protection continues to rise, noted Stefan Lukossek, area sales manager at Getzner Werkstoffe, specialist in the field of vibration isolation and protection.

Israel offers slick solution to Solomon Islands. *Pacific Islands News Association (PINA)*.

13 March 2019. Available from:

<http://www.pina.com.fj/index.php?p=pacnews&m=read&o=4595516365c89abd0ddecac87921c6>

The Government of Israel is offering to send five experts to the Rennell Islands in the Solomon Islands who are trained to respond to pollution at sea and shore.

Rising global shipping traffic could lead to surge in invasive species. *McGill*

University (Canada). 18 March 2019. Available from:

<https://www.mcgill.ca/newsroom/channels/news/rising-global-shipping-traffic-could-lead-surge-invasive-species-295468> Rising global maritime traffic could lead to sharp increases in invasive species around the world over the next 30 years, according to a new study by McGill University researchers.

Guyana zeroes in on oil spill readiness. *By Vishani Ragobeer. Guyana Chronicle.*

19 March 2019. Available from: <http://guyanachronicle.com/2019/03/19/guyana-zeroes-in-on-oil-spill-readiness> Stakeholders within the local energy sector are working to advance Guyana's oil spill readiness through the creation of the National Oil Spill Contingency Plan, as the country prepares to become an oil-producing nation next year.

Maritime community addresses plastic pollution in oceans. *By Elly Yates-Roberts.*

Cruise & Ferry. 21 March 2019. Available from: <http://www.cruiseandferry.net/articles/maritime-community-addresses-plastic-pollution-in-oceans> Blank Rome's Jeanne Grasso and Joan Bondareff discuss how some of the biggest ship-related organisations plan to reduce the amount of garbage that ends up in the sea.

Clean Arctic Alliance comment on *Viking Sky* and heavy fuel oil. *Clean Arctic Alliance.*

25 March 2019. Available from: <https://www.hfoffreearctic.org/en/2019/03/25/clean-arctic-alliance-comment-on-viking-sky-and-heavy-fuel-oil/> Responding to news that the cruise ship *Viking Sky*, owned by Viking Cruises, had reached safe harbour in Molde, Norway, Dr Sian Prior, Lead Advisor to the Clean Arctic Alliance said: "With a new season of cruise ships poised to enter Arctic waters, the *Viking Sky* crisis should serve as a wake-up call."

APL partners with the Ocean Cleanup on mission to rid the oceans of plastics. *APL.*

26 March 2019. Available from: <https://www.apl.com/news/1761/apl-partners-with-the-ocean-cleanup-on-mission-to-rid-the-oceans-of-plastics> APL today announced that it is providing free shipping to The Ocean Cleanup, a non-government, non-profit organisation working to develop advanced technologies to rid the world's oceans of plastic.

Oil spill disasters at high sea: What can we do to prevent environmental damage?

By Loveday Wright. Deutsche Welle (Germany). 28 March 2019. Available from:

<https://www.dw.com/en/oil-spill-disasters-at-high-sea-what-can-we-do-to-prevent-environmental-damage/a-48095315> French and Spanish specialists are still scrambling to tackle an oil spill in the Bay of Biscay after a cargo ship sank there two weeks ago.

HEALTH & SAFETY

Where are we with mental health at sea? *International Seafarers' Welfare and Assistance Network (ISWAN)*. 18 March 2019. Available from:

<https://www.seafarerswelfare.org/news/2019/where-are-we-with-mental-health-at-sea>

The shipping industry is in an interesting position when it comes to the mental health of seafarers.

U.S. Supreme Court rules on asbestos case. *Maritime Executive*. 19 March 2019. Available from:

<https://www.maritime-executive.com/article/u-s-supreme-court-rules-on-asbestos> The U.S. Supreme Court has ruled that manufacturers have a duty to warn about potential dangers of parts with asbestos that were later added onto their products by third parties under maritime law.

Obesity, mental health problems and gender discrimination increase onboard. *Safety4Sea.*

26 March 2019. Available from: <https://safety4sea.com/obesity-mental-health-problems-and-gender-discrimination-increase-onboard/> The Seafarer Happiness Index resulted to the fact that seafarers' satisfaction levels when at sea dropped to 6.32 out of 10, revealing a decrease of more than 5%, in comparison to the 6.69 figure recorded this time last year.

Home country medical treatment for seafarers: Challenges & solutions. By Elena Donina Glukhman. *Safety4Sea*. 27 March 2019. Available from: <https://safety4sea.com/home-country-medical-treatment-for-seafarers-challenges-solutions/> Elena Donina Glukhman, Project Manager, Development & Cooperation Worldwide at AP Companies Global Solutions, comments about the need of good medical treatment for seafarers in a home country.

IMO

Major owners: IMO turned shipping into a 'casino' and scrubbers now face their own 'Spanish Inquisition'. By Harry Papachristou. *TradeWinds*. 28 February 2019. Available from: <https://www.tradewindsnews.com/casualties/1716027/major-owners-imo-turned-shipping-into-a-casino-and-scrubbers-now-face-their-own-spanish-inquisition> The International Maritime Organisation has bungled the introduction of low-sulfur fuels in a big way and carries much of the blame for shipping markets' downturn, shipowner Andreas Hadjiyiannis says.

Listen: The rundown on the shipping markets in the run-up to IMO 2020. *S&P Global Platts*. 28 February 2019. Available from: <https://bit.ly/2TYWyFI> The tremors of IMO 2020 - The mandated shift to low sulfur marine fuel which officially kicks in January 1, 2020 - will begin to be felt months from now and have already begun to work their way into the fabric of the already complex dynamics of the shipping sector.

Turning tides: The future of fuel oil after IMO 2020. *S&P Global Platts*. February 2019. Available from: <https://www.spglobal.com/platts/en/market-insights/special-reports/oil/fuel-oil-after-imo-2020> This report provides a thorough introduction to the IMO's sulfur cap on marine fuel, its impact on markets and what to expect from the new regulatory framework.

PwC discusses accounting and reporting implications of IMO 2020. *Manifold Times (Singapore)*. 1 March 2019. Available from: <https://www.manifoldtimes.com/news/d/pwc-discusses-accounting-and-reporting-implications-of-imo-2020> Professional services firm PricewaterhouseCoopers (PwC) discussed several IMO 2020 related trends and current challenges during its recently held 'The PwC Annual Shipping Industry Finance Update' event in Greece.

IMO 2020: Global Shipping, Oil refiners brace for sea change. *Bloomberg*. 6 March 2019. Available from: <https://about.bnef.com/blog/imo-2020-global-shipping-oil-refiners-brace-sea-change/> The international marine fleet underpins the system of world trade and consumes around one in every 20 barrels of oil.

IMO 2020 will cause upheaval for shippers and refiners. By Chris Midgley. *Houston Chronicle (US)*. 8 March 2019. Available from: <https://www.chron.com/business/energy/article/IMO-2020-will-cause-upheaval-for-shippers-and-13672058.php> With fuel oil recently trading at a premium to motor gasoline, one may be excused for asking what all the fuss is about the forthcoming fuel oil specification changes for the shipping industry?

High-sulphur fuel oil demand to fall 60 percent next year on IMO rules - IEA. By Julia Payne. *Reuters*. 11 March 2019. Available from: <https://reut.rs/2OQ1YIC> High-sulphur fuel oil demand will fall 60 percent next year while marine gasoil demand will more than double due to new international regulations on shipping fuel, the International Energy Agency forecast on Monday.

We're keen on IMO Conventions - State. By Bernard Lugongo. *Daily News (Tanzania)*. 12 March 2019. Available from: <https://dailynews.co.tz/news/2019-03-125c874da4e9c53> The government has reiterated its commitment to implement conventions of the International Maritime Organisation (IMO) covering maritime safety, security as well as environment protection.

Compared with airlines, shipping gets off lightly. By David Osler. *Lloyd's List*. 12 March 2019. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1126589/Compared-with-airlines-shipping-gets-off-lightly> Within 48 hours of the Ethiopian Airlines crash, many countries had placed restrictions on the use of Boeing's 737 Max 8 aircraft.

IMO sec-gen Lim Ki-tack talks up importance of maritime heritage. By Lee Hong Liang. *Seatrade Maritime News*. 13 March 2019. Available from: <http://www.seatrade-maritime.com/news/asia/imo-sec-gen-lim-ki-tack-talks-up-importance-of-maritime-heritage.html> In hopes of raising wider public awareness on the crucial role of modern day shipping, IMO secretary-general Lim Ki-tack steered away from his usual regulation talks for a moment and instead highlighted the importance of maritime heritage for the ultimate goal of securing a sustainable future.

IMO's 2020 implementation guidelines: an overview. By Unni Einemo. *International Bunker Industry Association (IBIA)*. 13 March 2019. Available from: <https://ibia.net/imos-2020-implementation-guidelines-an-overview/> The IMO has developed a comprehensive package of guidelines to assist industry and Administrations to effectively and uniformly implement the 0.50% sulphur limit that takes effect from 1 January, 2020.

IMO confronts fraudulent vessel registrations. By Anastassios Adamopoulos. *Lloyd's List*. 13 March 2019. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1126602/IMO-confronts-fraudulent-vessel-registrations> The International Maritime Organization is seeking to clamp down on fraudulent vessel registrations and rogue national flag registries operating without the knowledge of governments they claim to represent.

Is IMO's focus on air pollution clouding its judgement? By Craig Jallal. *Tanker Shipping & Trade*. 13 March 2019. Available from: https://www.tankershipping.com/news/view/is-imos-focus-on-air-pollution-clouding-its-judgement_57182.htm A recent postponement of a critical safety issue for sailors shows IMO straying from its original remit, says Craig Jallal.

IMO 2020 may not solve crude oil quality riddle: Fuel for Thought. By Paul Hickin and Eklavya Gupte. *S&P Global Platts*. 18 March 2019. Available from: <https://blogs.platts.com/2019/03/18/imo-2020-may-not-solve-crude-quality-riddle/> The global chasm in crude oil quality supply shows no signs of narrowing, prompting refiners to lighten their slate and leading to a market awash with gasoline, naphtha and LPG.

BIMCO says efficiency gains will be key to meeting IMO's CO2 targets. *Knect365 Maritime*. 20 March 2019. Available from: <https://bit.ly/2CZVWKx> BIMCO's Deputy Secretary General, Lars Robert Pedersen, has issued a strong message on the shipping industry's commitment to tackling CO2 emissions.

IMO under pressure to tighten 2020 reporting. By Anastassios Adamopoulos. *Lloyd's List*. 20 March 2019. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1126682/IMO-under-pressure-to-tighten-2020-reporting> Fuel oil suppliers, inspection authorities and fuel testing agencies are coming under the microscope as governments and regulators try to allay persistent concerns about 2020 sulphur cap-compliant fuel oil availability and quality.

IMO 2020 goes mainstream and its political ramifications. By Barry Parker. *Seatrade Maritime News*. 26 March 2019. Available from: <http://www.seatrade-maritime.com/news/americas/imo-2020-goes-mainstream-and-its-political-ramifications.html> IMO 2020 is everywhere - conferences, expert briefings, webinars, blog posts, newsletter articles, and it has gone beyond the province of shipping industry insiders (and readers here) and certainly reached into the mainstream media.

LAW & POLICY

Paradise lost? Travel and tourism industry takes aim at plastic pollution but more action needed. *United Nations Environment Programme (UNEP)*. 27 February 2019. Available from: <https://www.unenvironment.org/news-and-stories/story/paradise-lost-travel-and-tourism-industry-takes-aim-plastic-pollution-more> With some of the world's most beautiful beaches paying a heavy price for our plastic addiction, the travel and tourism industry is taking action to reduce its plastic footprint and encourage its customers to do the same.

Gov't implementing laws to support Blue Economy. *Jamaica Information Service*. 28 February 2019. Available from: <https://jis.gov.jm/govt-implementing-laws-to-support-blue-economy/> Minister of Transport and Mining, Hon. Robert Montague, says the Government is implementing legislative measures aimed at supporting a sustainable Blue Economy as a key driver of economic growth.

Threat of legal action leads to payment of fine over Humber incident. *UK Maritime & Coastguard Agency*. 28 February 2019. Available from: <https://www.gov.uk/government/news/threat-of-legal-action-leads-to-payment-of-fine-over-humber-incident> On the 14th June 2018, the Master of a Russian oil tanker was fined a total of £25761.99 at Hull Magistrates Court for breaching the International Safety Management (ISM) Code in a prosecution brought by the Maritime & Coastguard Agency (MCA).

Fiji submits low emission development strategy to UNFCCC. *By Leila Mead. International Institute for Sustainable Development (IISD)*. 28 February 2019. Available from: <http://sdg.iisd.org/news/fiji-submits-low-emission-development-strategy-to-unfccc/> The Government of Fiji has become the 11th country to submit its long-term strategy (LTS) for low emission development 2018-2050 to the UNFCCC Secretariat.

Hamdan bin Mohammed approves 'Dubai Silk Road' strategy. *Government of Dubai*. 2 March 2019. Available from: <http://mediaoffice.ae/en/media-center/news/2/3/2019/hamdan-bin-mohammed-approves-dubai-silk-road-strategy.aspx> The Crown Prince of Dubai His Highness Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum emphasised the importance of the logistics sector as a key driver of economic diversification as highlighted by the 50-Year Charter which outlines the vision of the Vice President and Prime Minister of the UAE and Ruler of Dubai His Highness Sheikh Mohammed bin Rashid Al Maktoum in cementing Dubai as a strategic link in global trade.

The growing importance of regional oceans cooperation. *Independent Barents Observer (Norway)*. 4 March 2019. Available from: <https://thebarentsobserver.com/en/node/5104> A valuable development in international oceans governance is the growing importance of regional cooperation.

World Congress on Maritime Heritage to discuss ocean governance. *Maritime Executive*. 4 March 2019. Available from: <https://www.maritime-executive.com/corporate/world-congress-on-maritime-heritage-to-discuss-ocean-governance> For centuries, humans have sought to create order in the oceans to facilitate trade, to use its resources and to govern the conduct of nations on the vast waters.

Cabinet approves deep seabed mining. *Jamaica Observer*. 4 March 2019. Available from: https://www.jamaicaobserver.com/latestnews/Jamaica_to_enter_deep_seabed_mining Cabinet has given approval for Jamaica to enter the emerging industry of Deep Seabed Mining (DSM) through its sponsorship of Blue Minerals Jamaica Limited (BMJ), a Jamaican registered company.

NIMASA committed to developing blue economy through capacity building - Dakuku.

Nigerian Maritime Administration and Safety Agency (NIMASA). 5 March 2019. Available from: <http://www.nimasa.gov.ng/press-center/post/nimasa-committed-to-developing-blue-economy-through-capacity-building-dakuku> The Director General of the Nigerian Maritime Administration and Safety Agency (NIMASA) Dr. Dakuku Peterside has reiterated that the Agency remains committed to growing the ideals of the blue economy by bringing to the fore adequate knowledge of the sector in line with the capacity building drive of the Agency.

The blue economy - ocean of opportunity or sea of troubles? By Daniel Steadman, Fauna, and Flora International.

Phys.Org. 5 March 2019. Available from: <https://phys.org/news/2019-03-blue-economy-ocean-opportunity-sea.html> For centuries, we have thought of the ocean as unimaginably vast and unchangeable, as a sea of opportunity, spawning fishing fleets and shipping lines, building the wealth of maritime nations.

Singapore hosts 37th Asean Maritime Transport Working Group Meeting. *Maritime and Port Authority of Singapore (MPA)*. 5 March 2019. Available from:

<https://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/340ecee8-cc60-44bc-b335-2ddea9e4b634> The Maritime and Port Authority of Singapore (MPA) will host the 37th ASEAN Maritime Transport Working Group Meeting (MTWG) from 5 to 7 March 2019.

How could a sharp slowdown in China affect growth prospects for the rest of Asia?

By Karen Yeung. *South China Morning Post*. 6 March 2019. Available from:

<https://www.scmp.com/economy/china-economy/article/2186377/how-could-sharp-slowdown-china-affect-growth-prospects-rest> The threat of a sharper than expected economic slowdown in China could damage Asia's growth prospects, according to analysts.

The Canadian Energy Board's flawed decision. **By Janet Alderton and Michael Riordan.**

Journal of the San Juan Islands (US). 6 March 2019. Available from:

<http://www.sanjuanjournal.com/news/the-canadian-energy-boards-flawed-decision-guest-column/> Despite overwhelming opposition from British Columbia, Washington state and tribes on both sides of the border, plus strong evidence that the Trans Mountain Pipeline Expansion Project will inevitably harm the endangered Southern resident killer whale population, the Canadian National Energy Board has recommended that the project should proceed.

Ethiopian PM tries to resolve diplomatic row between Somalia and Kenya over maritime boundary.

Somalia Star. 6 March 2019. Available from: <https://www.thesstar.com/ethiopian-pm-tries-to-resolve-diplomatic-row-between-somalia-and-kenya-over-maritime-boundary/> Somalia's President Mohamed Abdullahi Mohamed Farmajo and Ethiopia's Prime Minister Abiy Ahmed travelled together to the Kenyan capital, Nairobi, where Abiy, who is the chairman of the regional bloc of IGAD, plans to resolve the diplomatic row between Somalia and Kenya over their maritime boundary.

News: Maritime UK makes a splash on International Women's Day by launching two brand new initiatives aimed at boosting gender diversity within the maritime sector.


Maritime UK. 7 March 2019. Available from: <https://bit.ly/2WKiHJL> Maritime UK's Women in Maritime Taskforce will meet in Belfast today to launch two new initiatives to help improve the sector's gender diversity.

Solomon Islands threatens to blacklist companies after 'irreversible' oil spill disaster.

By Evan Wasuka. *ABC (Australia)*. 8 March 2019. Available from:

<https://www.abc.net.au/news/2019-03-08/solomon-islands-to-blacklist-companies-over-oil-spill-disaster/10882610> Caretaker Solomon Islands Prime Minister Rick Hou is threatening to blacklist the companies involved in a 100-tonne oil leak near a UNESCO World Heritage site.

Protecting coral reefs, as we move towards a blue economy. *United Nations Environment Programme (UNEP)*. 10 March 2019. Available from: <https://www.unenvironment.org/news-and-stories/story/protecting-coral-reefs-we-move-towards-blue-economy> Throughout human existence, the oceans and seas have been a source of food, leisure, exploration, and a natural carbon sink.

Improving outdoor air quality and health: review of interventions. *UK Government*. 11 March 2019. Available from: <https://www.gov.uk/government/publications/improving-outdoor-air-quality-and-health-review-of-interventions> A comprehensive overview of actions that national and local government and others can take to improve air quality and health.
[Review of interventions to improve outdoor air quality and public health](#) 

Trump appoints permanent chairman of Federal Maritime Commission. *By Niklas Krigslund. ShippingWatch*. 11 March 2019. Available from: <https://shippingwatch.com/secure/carriers/article11242683.ece> The acting chairman of the US Federal Maritime Commission has now been given the job permanently by President Donald Trump.

Indonesian Government and partners announce next steps to tackle plastic pollution. *World Economic Forum*. 11 March 2019. Available from: <https://www.weforum.org/press/2019/03/indonesian-government-and-partners-announce-next-steps-to-tackle-plastic-pollution/> Indonesia's Ministries of Maritime Affairs and Environment and Forestry are joining forces with businesses, civil society groups and local stakeholders as part of the Global Plastic Action Partnership (GPAP).

Morocco drops human trafficking case against Spanish activist who helped save migrants crossing Mediterranean. *By Adam Forrest. The Independent*. 11 March 2019. Available from: <https://www.independent.co.uk/news/world/europe/mediterranean-migrants-helena-maleno-morocco-spain-a8818016.html>  Moroccan authorities have dropped a case against a Spanish activist investigated for alleged links to people traffickers despite her humanitarian work helping officials rescue migrants crossing the Mediterranean Sea.

US and Canada are used to enforcing tough emissions mandate. *By Michael Juliano. TradeWinds*. 12 March 2019. Available from: <https://www.tradewindsnews.com/legal/1711000/us-and-canada-are-used-to-enforcing-tough-emissions-mandate> In gearing up to implement IMO 2020, the US and Canada bring years of experience enforcing an even stronger mandate.

Saudi Arabia's maritime sector striving to become regional logistics hub. *By Alma Al Turkmani. Al Arabiya*. 12 March 2019. Available from: <http://english.alarabiya.net/en/business/economy/2019/03/12/Saudi-Arabia-s-maritime-sector-striving-to-become-regional-logistics-hub.html> Saudi Arabia's maritime sector is working toward making the Kingdom a regional logistics hub and a pioneer in the transport sector, participants at the Saudi Maritime Congress in Riyadh were told.

Protection for high seas is crucial to safeguarding vulnerable coastal communities - new research. *UK National Oceanography Centre (NOC)*. 12 March 2019. Available from: <https://www.noc.ac.uk/news/protection-high-seas-crucial-safeguarding-vulnerable-coastal-communities-new-research> Key areas of the Indian Ocean, Bay of Bengal and the Pacific should be designated protected areas in order to safeguard vulnerable coastal communities' livelihoods, new research published this week reveals.

Strengthening inter-agency cooperation - a must for Maritime Philippines. *By Brenda V. Pimentel. Manila Times*. 13 March 2019. Available from: <https://www.manilatimes.net/strengthening-inter-agency-cooperation-a-must-for-maritime-philippines/524652/> The Philippines was one of six beneficiary Asean countries that participated in the technical assistance project of the International Maritime Organization (IMO) and the Norwegian Agency for Development Cooperation (Norad).

New heritage trail on Singapore's maritime history to be launched. By Zhaki Abdullah.

Straits Times. 13 March 2019. Available from:

<https://www.straitstimes.com/singapore/transport/new-heritage-trail-on-singapores-maritime-history-to-be-launched> A new heritage trail on Singapore's maritime history will be launched later this month, said Senior Minister of State for Transport Janil Puthuchery on Wednesday (March 13).

Ghana Maritime Authority calls for Maritime Transport Policy. By Iddi Yire and

Haruna Abdulai. *Ghana News Agency*. 13 March 2019. Available from:

www.ghananewsagency.org/economics/ghana-maritime-authority-calls-for-maritime-transport-policy-146738 Mr Daniel Appianin, the Deputy Director-General of the Ghana Maritime Authority (GMA), has called for a Maritime Transport Policy to effectively address the regulatory and safety issues.

Promoting ocean management is central to Ghana's development - IMO. By Iddi Yire and Haruna Abdulai.

Ghana News Agency. 13 March 2019. Available from:

www.ghananewsagency.org/economics/promoting-ocean-management-is-central-to-ghana-s-development-imo-146749 Mr Jonathan Pace, an official the International Maritime Organisation, says promoting ocean management is central to Ghana's development in an environment characterized by technological progress and globalisation.

Futaisi highlights Oman's seafaring history at 1st World Congress on Maritime Heritage.

Times of Oman. 13 March 2019. Available from:

<https://timesofoman.com/article/972154/Oman/Futaisi-highlights-Omans-seafaring-history-at-1st-World-Congress-on-Maritime-Heritage> Delegated by His Majesty Sultan Qaboos bin Said, Dr. Ahmed bin Mohammed Al Futaisi, Minister of Transport and Communications is leading the Sultanate's delegation to the 1st World Congress on Maritime Heritage (WCMH) which started yesterday and continues until March 15.

Singapore-Malaysia maritime dispute: Both sides agree to suspend overlapping port limits.

By Amir Yusof. *Channel News Asia*. 14 March 2019. Available from:

<https://www.channelnewsasia.com/news/singapore/singapore-malaysia-maritime-port-limits-dispute-11343048> Malaysia and Singapore on Thursday (Mar 14) agreed to mutually suspend the implementation of their overlapping port limits, as part of measures to dial down tensions in a maritime dispute.

UK takes step forward in global marine protection. UK Government.

14 March 2019. Available from: <https://www.gov.uk/government/news/uk-takes-step-forward-in-global-marine-protection> UK Government backs plans by Ascension Island to designate over 150,000 square miles of its waters as a fully protected no-take Marine Protected Area.

US and Saudi Arabia block geoengineering governance push. By Sara Stefanini.

Climate Home News. 14 March 2019. Available from: <https://www.climatechangenews.com/2019/03/14/us-saudi-arabia-block-geoengineering-governance-push-un-environment-talks/> The US and Saudi Arabia blocked a Swiss push to develop geoengineering governance at the UN Environment Assembly this week.

Environmental groups take France to court over climate change inaction. By Bate Felix, Marine Pennetier, Danielle Rouquié, and Jean-Baptiste Vey.

Reuters. 14 March 2019. Available from: <https://uk.reuters.com/article/uk-climatechange-france/environmental-groups-take-france-to-court-over-climate-change-inaction-idUKKCN1QV1YH?il=0> Environmental groups including Greenpeace and Oxfam have filed an unprecedented court action against the French government, accusing it of insufficient policy actions to tackle climate change.

Canada to host international summit to accelerate nature protection. Government of Canada.

14 March 2019. Available from: <https://www.canada.ca/en/environment-climate-change/news/2019/03/canada-to-host-international-summit-to-accelerate-nature-protection.html> Across the globe, people are waking up to the fact that we need to do more to protect our nature and its biodiversity – the animals, plants, and wilderness that we value and rely on.

Antigua and Barbuda, Trinidad and Tobago and Paraguay join Clean Seas campaign during UN Environment Assembly. *United Nations Environment Programme (UNEP)*. 15 March 2019. Available from: <https://bit.ly/2Y0Y39G> Three new Clean Seas signatories bring number of Latin American and Caribbean signatories to 20.

Sustainability in Africa's maritime industry. By Tallat Hussain and Alison Weal. *White & Case LLP*. 15 March 2019. Available from: <https://bit.ly/2YSSStXB> Some of the most important global sea lanes pass the continent of Africa.

No fishing allowed in Ascension Island's new marine protected area. *United Nations Environment Programme (UNEP)*. 18 March 2019. Available from: <https://www.unenvironment.org/news-and-stories/story/no-fishing-allowed-ascension-islands-new-marine-protected-area> Ascension Island, in the southern Atlantic Ocean, is getting a new marine protected area twice the size of the United Kingdom (UK).

Three Russian shipyards sanctioned over Kerch Strait incident. *Maritime Executive*. 18 March 2019. Available from: <https://www.maritime-executive.com/article/russian-shipyards-sanctioned-over-kerch-strait-incident> Canada, the United States and the EU have imposed new sanctions on Russian entities in response to the Kerch Strait incident, including three shipyards.

Government of Canada announces major investments in scientific research to protect Canadian waters from oil spills. *Government of Canada*. 18 March 2019. Available from: <https://bit.ly/2OPV93I> Keeping our oceans and coastal areas clean, safe and healthy for current and future generations is a top priority for the Government of Canada.

Maritime Authority to push for Blue Economy legislation. *Jamaica Information Service*. 19 March 2019. Available from: <https://jis.gov.jm/maritime-authority-to-push-for-blue-economy-legislation/> Director General of the Maritime Authority of Jamaica (MAJ), Rear Admiral (Ret'd) Peter Brady, says the agency will be pushing for legislation governing exploration and development of a sustainable blue economy.

Arctic black carbon work hampered by U.S. and Russia, says Finland. By Tarmo Virki and Anne Kauranen. *Reuters*. 20 March 2019. Available from: <https://reut.rs/2UfXHnk> The Arctic region's co-operation in the battle against global warming by reducing black carbon emissions is being hampered by the United States and Russia, the Finnish foreign ministry said on Wednesday.

Italy set to sign Memorandum of Understanding on Belt & Road. *Bloomberg*. 21 March 2019. Available from: <https://www.bloomberg.com/news/videos/2019-03-21/italy-set-to-sign-memorandum-of-understanding-on-belt-road-video> China's President and the Italian government are said to sign a controversial "memorandum of understanding" on the Belt & Road Initiative.

N. Korea denounces Japan over heightened monitoring of illicit ship-to-ship transfers. *Yonhap News Agency (South Korea)*. 21 March 2019. Available from: <https://en.yna.co.kr/view/AEN20190321010900325?section=nk> North Korea's state news agency lashed out at Japan on Thursday over its efforts to crack down on the North's illegal ship-to-ship transfers of goods in violation of international sanctions.

UK Hydrographic Office works with Seychelles government to help tackle piracy in the Indian Ocean. *UK Hydrographic Office*. 21 March 2019. Available from: <https://www.gov.uk/government/news/uk-hydrographic-office-works-with-seychelles-government-to-help-tackle-piracy-in-the-indian-ocean> The UK Hydrographic Office (UKHO) has carried out a programme of Security of Navigation, Stabilisation Advice and Training (SONSAT) activities in the Seychelles to support maritime security in the Indian ocean.

Netherlands to help boost PH maritime capability. By Raffy Ayeng. *Manila Times*. 22 March 2019. Available from: <https://www.manilatimes.net/netherlands-to-help-boost-ph-maritime-capability/529281/> The Netherlands has assured its close ties and firm support to the Philippines in harnessing the latter's maritime capabilities, especially the seafaring industry.

The Role of a Scientific Committee in the High Seas Treaty. *Pew Charitable Trusts*. 22 March 2019. Available from: <https://www.pewtrusts.org/en/research-and-analysis/issue-briefs/2019/03/the-role-of-a-scientific-committee-in-the-high-seas-treaty> Key ways that a scientific body can support the conservation and management of the world's ocean.

ECA support requested for stronger coordination of maritime strategies to achieve Blue Economy in Africa. *United Nations Economic Commission for Africa (UNECA)*. 24 March 2019. Available from: <https://www.uneca.org/media-centre/eca-support-requested-stronger-coordination-maritime-strategies-achieve-blue-economy> A panel of senior African officials and blue economy experts taking part in the 8th North Africa Development Forum (NADF) on Saturday 23 March, called upon ECA to help step up coordination between major African ports, with a view to enhancing their competitiveness; and, on the eve of African Free Trade Agreement (AfCTA) ratification, contribute to the creation of a virtuous circle between maritime connectivity and intra-African trade.

Watch: High Seas Treaty would bring needed protection. *Pew Charitable Trusts*. 25 March 2019. Available from: <https://www.pewtrusts.org/en/research-and-analysis/video/2019/watch-high-seas-treaty-would-bring-needed-protection> Far from every shore, beyond the jurisdiction of any country, lie the vast high seas, full of life and biodiversity.

Will large protected areas save the oceans or politicize them? By Fred Pearce. *Yale Environment 360*. 25 March 2019. Available from: <https://e360.yale.edu/features/will-large-protected-areas-save-the-oceans-or-politicize-them> In the last decade, governments have been pushing to create vast Marine Protected Areas large enough to protect species from overfishing and other threats.

To the future and back: Future governance of environmental risk. By Øyvind Rinaldo, Rune Bergstrøm, and Vivian Jakobsen. *Independent Barents Observer (Norway)*. 25 March 2019. Available from: <https://thebarentsobserver.com/en/node/5211> How can we manage environmental risk across 1 979 179 km² of the ocean and 100 915 km of coastline?

Increased cooperation, special attention to developing states must steer talks on new high seas treaty, delegates say as conference opens second session. *United Nations*. 25 March 2019. Available from: <https://www.un.org/press/en/2019/sea2093.doc.htm> Increased cooperation and recognizing the needs of developing states must lead discussions towards a legally binding convention to govern the high seas, delegates said, as an intergovernmental conference to draft the first-ever treaty addressing the ocean's biological diversity opened its second substantive session.

Can international law protect the Arctic from oil spills? By Daria Shapovalova. *Arctic Institute*. 26 March 2019. Available from: <https://www.thearcticinstitute.org/international-law-protect-arctic-oil-spills/> Offshore oil development in the Arctic is still in its nascent phase, with production occurring in Russia and Norway, but on hold in Canada, the US, and Greenland.

Five Indian crew acquitted over claims of transporting illegal explosives. By Samira Nadkarni. *Safety at Sea*. 26 March 2019. Available from: <https://safetyatsea.net/news/2019/five-indian-crew-acquitted-over-claims-of-transporting-illegal-explosives/> After thirteen months of false imprisonment in the Greek Korydallos Prison Complex, five Indian seafarers have been acquitted of all charges related to accusations of transporting illegal explosives and allowed to return to India.

US updates guidance on North Korea sanctions. *Safety4Sea*. 27 March 2019. Available from: <https://safety4sea.com/us-updates-guidance-on-north-korea-sanctions/> The US Department of the Treasury's Office of Foreign Assets Control (OFAC), the US Department of State and the US Coast Guard, updated information on North Korean sanctions, providing additional guidance on how to mitigate the risk of involvement in North Korea's deceptive shipping practices.

Guyana must implement int'l maritime policies, regulations - Regional Advisor.

Kaieteur News (Guyana). 28 March 2019. Available from:

<https://www.kaieteurnews.com/2019/03/28/guyana-must-implement-intl-maritime-policies-regulations-regional-advisor/> Foreign Affairs Minister, Carl Greenidge, disclosed a few months ago that Guyana signed on to several conventions and ratified a few protocols which will help to protect the country from most of the environmental risks that are associated with the operations of oil companies.

Monaco Blue Initiative explores requirements and benefits of marine protected areas.

By Lynn Wagner. *International Institute for Sustainable Development (IISD)*. 28 March 2019.

Available from: <https://sdg.iisd.org/news/monaco-blue-initiative-explores-requirements-and-benefits-of-marine-protected-areas/> Participants at the tenth edition of the Monaco Blue Initiative discussed the ambition and actions needed to set the scene for the post-2020 period when the current target to conserve at least ten percent of coastal and marine areas is to be achieved, the importance of ecological and social networks for ensuring the effectiveness of MPAs, and the links between MPAs and the economy of the ocean.

MARINE TECHNOLOGY

Maersk Tankers to install scrubbers on four ships. By Niklas Krigslund. *ShippingWatch*.

1 March 2019. Available from: <https://shippingwatch.com/carriers/Tanker/article11223212.ece> Just four LR2 tankers will have scrubbers installed.

LNG in shipping: could space tech lighten the load? *Ship-Technology.com*. 4 March 2019.

Available from: <https://www.ship-technology.com/features/lng-shipping-space-tech/> As the International Maritime Organization (IMO), the European Union and national governments around the world continue the gradual process of tightening emissions standards for commercial vessels, liquefied natural gas (LNG) is starting to gain traction as an early alternative to traditional, highly polluting fuels such as heavy fuel oil and marine gasoil.

Positive results from trials of ocean-cleaning device. *Caribbean 360*. 4 March 2019.

Available from: <http://www.caribbean360.com/news/positive-results-from-trials-of-ocean-cleaning-device> The Caribbean Maritime University (CMU) is reporting positive results from the trials of the prototype of its ocean-cleaning device dubbed 'Jambin'.


Carnival's two-year wash-water study affirms scrubbers are positive for environment.

By Lee Hong Liang. *Seatrade Maritime News*. 7 March 2019. Available from: <http://www.seatrade-maritime.com/news/americas/carnival-s-two-year-wash-water-study-affirms-scrubbers-are-positive-for-environment.html> A two-year scientific wash-water study conducted based on Carnival Corporation's cruise ships have shown that the use of scrubbers are a safe and effective means of compliance with the IMO 2020 sulphur cap requirements.

Feature: Japan supports open-loop scrubbers, discourages bans on discharge.

By Takeo Kumagai and Surabhi Sahu. *S&P Global Platts*. 7 March 2019. Available from: <https://www.spglobal.com/platts/en/market-insights/latest-news/shipping/030719-feature-japan-supports-open-loop-scrubbers-discourages-bans-on-discharge> Japan has decided it will support the use of open-loop scrubbers aboard ships and discourage other jurisdictions from banning the discharge of water from such units as the deadline for the International Maritime Organization's global sulfur limit rule for marine fuels draws nearer.

Could fuel cells soon be used in ship propulsion? By Adele Berti. *Ship-Technology.com*. 7 March 2019. Available from: <https://www.ship-technology.com/features/hydrogen-ship-propulsion/> Swiss technological giant ABB recently partnered with SINTEF, one of Europe's largest independent research organisations, to test the viability of fuel cells as an energy source for ship propulsion.

ABS publishes industry-leading Guidance for Safe Use of Remote Inspection Technologies. *ABS (American Bureau of Shipping)*. 7 March 2019. Available from: <https://ww2.eagle.org/en/news/press-room/guidance-notes-remote-inspection-tech.html> Guidance for inspections using drones, remotely operated underwater vehicles and robotic crawlers. [The use of remote inspection technologies](#) 

DNV GL rolls out remote surveys for all vessels. *DNV GL*. 11 March 2019. Available from: <https://www.dnvgl.com/news/dnv-gl-rolls-out-remote-surveys-for-all-vessels-142769> Leading classification society DNV GL announced today that all DNV GL classed vessels are now able to utilize the possibility of remote surveys for some inspections through the Veracity data platform.

Autonomous vessels: regulations must improve to support safe roll-out. *By John Snyder.* *Offshore Support Journal*. 14 March 2019. Available from: https://www.osjonline.com/news/view,autonomous-vessels-regulations-must-improve-to-support-safe-rollout_57193.htm Interest in remotely controlled and autonomous vessel technology is growing, but can international regulations keep up?

Signal Ocean: using AI to bring ship management into the 21st century. *By Adele Berti.* *Ship-Technology.com*. 14 March 2019. Available from: <https://www.ship-technology.com/features/signal-ocean/> Signal Ocean is a new platform that aims to enhance commercial performance for the shipping industry.

Automation & Seafarers: The end of a profession, or its evolution? By Dimitrios Lyrakos. *Safety4Sea*. 15 March 2019. Available from: <https://safety4sea.com/automation-seafarers-the-end-of-a-profession-or-its-evolution/> Based on a recent study by the University of Oxford (2019) in the UK, it has been determined that 50% of the current job positions, worldwide, will be lost in the coming decades due to automation and new advances in technology.

Shipping's Y2K bug? By Sam Chambers. *Splash 247.com*. 25 March 2019. Available from: <https://splash247.com/shippings-y2k-bug/> The Y2K bug was meant to be Armageddon for computers as it was feared many programs could not switch to the 2000 date.

HMM opts for scrubbers on its twelve 23,000 teu giant boxships. *By Lee Hong Liang.* *Seatrade Maritime News*. 28 March 2019. Available from: <http://www.seatrade-maritime.com/news/asia/hmm-opts-for-scrubbers-on-its-twelve-23-000-teu-giant-boxships.html> Twelve largest containerships at 23,000 teu ordered by Hyundai Merchant Marine (HMM) will be fitted with scrubbers, ahead of their expected deliveries in the second quarter of 2020.

World's first mobile lifeboat simulator ready. *Maritime Executive*. 28 March 2019. Available from: <https://www.maritime-executive.com/corporate/world-s-first-mobile-lifeboat-simulator-ready> Lifeboat drills have over the years led to tragic deaths and number of injuries.

MARITIME EDUCATION & TRAINING

Speed of technological change overtaking scope of STCW. By Alan R. Earls.

Professional Mariner. 27 February 2019. Available from:

<http://www.professionalmariner.com/March-2019/Speed-of-technological-change-overtaking-scope-of-STCW/> When the chairman of the International Chamber of Shipping (ICS) made comments in Manila in November proposing a comprehensive revision of the global convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW), it probably caught many in the maritime community off guard.

Govt secures Ksh 1.2B to equip youth with Blue economy skills. By Allan Aoko.

Kenya Broadcasting Corporation (KBC). 1 March 2019. Available from: <http://www.kbc.co.ke/govt-secures-ksh-1-2b-to-equip-youth-with-blue-economy-skills/> The government has secured a Ksh 1.2 billion grant from the World Bank to equip youth with various skills targeting the Blue Economy.

Kenya Maritime Authority hosts oil spill training. *Kenya Maritime Authority (KMA)*. 1 March 2019. Available from: https://kma.go.ke/images/docs/Oil_Spill_Story.pdf Kenya Maritime Authority (KMA) organized and hosted an Oil Spill Response Management training on 26th-28th February 2019, at the Pride Inn Paradise Beach resort and Spa, Shanzu.

Careers mapped out for young and women seafarers. *International Transport Workers' Federation (ITF)*. 4 March 2019. Available from: <https://www.itfglobal.org/en/news/careers-mapped-out-young-and-women-seafarers> The International Transport Workers' Federation (ITF) welcomed the roadmap agreed at a tripartite meeting in Geneva last week to address the gap in recruitment and retention of seafarers and the barriers to promote work opportunities for young and women seafarers.

Ship repair company partners with CMU to undertake skills training programme.

By Kadian Brown. *Jamaica Information Service*. 4 March 2019. Available from:

<https://jis.gov.jm/ship-repair-company-partners-with-cmu-to-undertake-skills-training-programme/> German Ship Repair Jamaica Limited (GSRJ) has partnered with the Caribbean Maritime University (CMU) to undertake its skills training programme, aimed at increasing employment in the logistics and maritime industries.

IMO: The vital role education will play in determining shipping's future. *Splash 247.com*.

5 March 2019. Available from: <https://splash247.com/imo-the-vital-role-education-will-play-in-determining-shippings-future/> Ahead of his keynote speaking slot at next week's World Congress on Maritime Heritage in Singapore, Kitack Lim, secretary-general of the UN's International Maritime Organization (IMO), takes some time out of his busy schedule to speak with Maritime CEO on the issue of education.

New funding to support young women into maritime careers. By Nusrat Ghani.

UK Government. 8 March 2019. Available from: <https://www.gov.uk/government/news/new-funding-to-support-young-women-into-maritime-careers> More young women will be encouraged to embark on a career at sea thanks to new funding announced on International Women's Day (8 March 2019) by Maritime Minister Nusrat Ghani.

Are merchant seafarer training standards fit for purpose? By Julian Turner.

Ship-Technology.com. 19 March 2019. Available from: <https://www.ship-technology.com/features/seafarer-training-standards/> The IMO STCW Convention and Code governs training standards for around two million merchant seafarers.

Now, mandatory for maritime institutes to offer on board training to students.

By Mamuni Das. *The Hindu (India)*. 19 March 2019. Available from:

<https://www.thehindubusinessline.com/news/education/now-mandatory-for-maritime-institutes-to-offer-on-board-training-to-students/article26583257.ece> In a development that is expected to help maritime students, the government has made maritime training institutes (MTIs) responsible for providing practical training aboard a vessel.

KMA certifies three institutions to offer maritime courses. By Philip Mwakio.

Standard Digital (Kenya). 21 March 2019. Available from:

<https://www.standardmedia.co.ke/article/2001317546/kma-certifies-three-institutions-to-offer-maritime-courses> Three learning institutions have so far been fully accredited by the country's maritime regulator to offer specialised training in Maritime Transport and Logistics (MTL).

FMA Pioneer Deckhand Fishing Programme start sea service. By Inoke Rabonu.

Fiji Sun Online. 23 March 2019. Available from: <https://fijisun.com.fj/2019/03/23/fma-pioneer-deckhand-fishing-programme-start-sea-service/>

Students enrolled in the Deckhand Fishing Programme and Offshore Fishing Skipper at the Fiji Maritime Academy (FMA) will now commence stage two of the programme after graduating from stage one on March 4, 2019.

DOTr-MARINA commits full compliance with IMO standards to maintain "White List" status.

Government of the Philippines. 24 March 2019. Available from:

<http://marina.gov.ph/2019/03/24/dotr-marina-commits-full-compliance-with-imo-standards-to-maintain-white-list-status/> The Department of Transportation (DOTr) and the Maritime Industry Authority (MARINA) commit to fully comply with the International Convention on Standards of Training, Certification and Watchkeeping (STCW) for seafarers to maintain its status in the International Maritime Organization's (IMO) "White List."

NIMASA reaffirms commitment to sea time training for Nigerian cadets.

Nigerian Maritime Administration and Safety Agency (NIMASA). 25 March 2019. Available from:

<http://www.nimasa.gov.ng/press-center/post/nimasa-reaffirms-commitment-to-sea-time-training-for-nigerian-cadets> The Nigerian Maritime Administration and Safety Agency (NIMASA) has restated its commitment to partnerships with international institutions for sea time training of Nigerians under the Nigerian Seafarers Development Programme (NSDP).

NYK becomes first Japanese shipping company accredited to conduct IGF Code training.

NYK Line. 27 March 2019. Available from:

https://www.nyk.com/english/news/2019/1196360_1688.html A training program for seafarers responsible for liquefied natural gas (LNG) and other low-flashpoint fuels on board NYK Group-operated ships has been accredited by Nippon Kaiji Kyokai (Class NK), making NYK the first Japanese shipping company to obtain an international institution's certification in the field of IGF Code training.

Training failures put 500 officers' certification at risk. Nautilus International. 27 March 2019.

Available from: [https://www.nautilusint.org/en/news-](https://www.nautilusint.org/en/news-insight/news/training_failures_put_500_officers_certification_at_risk/)

[insight/news/training_failures_put_500_officers_certification_at_risk/](https://www.nautilusint.org/en/news-insight/news/training_failures_put_500_officers_certification_at_risk/) UK Certificates of Competency (CoC) for 500 serving officers have been put at risk by the Maritime and Coastguard Agency (MCA) following the discovery of failures by an MCA-approved STCW short course provider based in India.

Philippines' compliance with seafarer standards worries EU. By Pia Lee-Brago.

Philippine Star. 28 March 2019. Available from:

<https://www.philstar.com/headlines/2019/03/28/1905254/philippines-compliance-seafarer-standards-worries-eu> The European Union (EU) has expressed concern over the Philippines' "deficiencies" in complying with the Standards of Training, Certification and Watchkeeping (STCW) for seafarers that recognizes and allows Filipinos to be employed in seagoing ships.

Liberian students encouraged to study marine courses. By Gerald C. Koinyeneh.

Front Page Africa (Liberia). 28 March 2019. Available from:

<https://frontpageafricaonline.com/news/2016news/liberian-students-encouraged-to-study-marine-courses/> The Government of Liberia is encouraging Liberian students to study Marine Sciences in a bid to increase the number of experts to help conserve the marine environment and create opportunities for positive career paths.

MARITIME SAFETY

Concentration Inspection Campaign (CIC) on MARPOL Annex VI. Tokyo MoU. 1 March 2019.

Available from: <https://bit.ly/2uNilGk> The concentrated inspection campaign (CIC) on MARPOL Annex VI was carried out in the Tokyo MoU region from 1 September 2018 to 30 November 2018.

Migrants scale DFDS ferry funnel. By Gary Dixon. TradeWinds. 4 March 2019. Available from:

<https://www.tradewindsnews.com/passengerships/1718262/migrants-scale-dfds-ferry-funnel> Calais-Dover ferry traffic was disrupted on Saturday after more than 100 migrants stormed the port and tried to board a DFDS ro-pax.

Dozens of migrants try to board cross-Channel ferry to Dover. Euronews. 4 March 2019.

Available from: <https://www.euronews.com/2019/03/04/dozens-of-migrants-try-to-board-cross-channel-ferry-to-dover> Dozens of migrants were detained on Sunday in the French port of Calais, trying to board a cross-Channel ferry bound for Dover.

Solid bulk and the connected dangers in enclosed spaces. By Captain Gunter Schütze.

Maritime Executive. 11 March 2019. Available from: <https://www.maritime-executive.com/editorials/solid-bulk-and-the-connected-dangers-in-enclosed-spaces>

On March 2, 2019, The Maritime Executive published an article "Another Five Fatalities with Solid Bulk Cargo."

Viewpoint: Fit for purpose. By Michael Grey. Lloyd's List. 14 March 2019. Available from:

<https://lloydslist.maritimeintelligence.informa.com/LL1126557/Viewpoint-Fit-for-purpose> The poor design of IT equipment can be just as much to blame for accidents on modern ships as human error.

Lessons from Manila set to steer Interferry safety bid in developing nations. Interferry.

15 March 2019. Available from: <https://interferry.com/2019/03/15/lessons-from-manila-set-to-steer-interferry-safety-bid-in-developing-nations> A four-man team from global trade association Interferry will be in Manila from March 18-22 in the first stage of a project to study significant safety improvements in Philippines ferry operations and produce a "lessons learned" report to help other developing nations.

CHIRP: Latest bulletin discusses ECDIS, fatigue and pilot ladders. Maritime Executive.

18 March 2019. Available from: <https://www.maritime-executive.com/article/chirp-latest-bulletin-discusses-ecdis-fatigue-and-pilot-ladders> The CHIRP Charitable Trust has published Maritime Feedback 54, its first bulletin of 2019 which contains reports on lifting operations, rigid hull inflatable boat operations, AIS and ECDIS offsets and heat and fatigue.

Campaign for greater container safety must focus first on dangerous goods. TT Club.

20 March 2019. Available from: <https://www.ttclub.com/news-events/press-releases/campaign-for-greater-container-safety-must-focus-first-on-dangerous-goods-147757/> The recent reports of container ship fires has once more focussed those in the container supply chain on safety issues related to the incorrect processing of dangerous goods.

Counting the costs of fires at sea. By Carol Holness. Seatrade Maritime News. 22 March 2019.

Available from: <http://www.seatrade-maritime.com/news/europe/counting-the-costs-of-fires-at-sea.html> The first few months of 2019 has already seen three major container ship fires.

The Lloyd's List Podcast: Has the green agenda overtaken safety? *Lloyd's List*. 22 March 2019. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1126740/The-Lloyds-List-Podcast-Has-the-green-agenda-overtaken-safety> The shipping industry needs to take a more holistic view when looking to improve safety, environmental performance and operational efficiency.

Is Cruising Safe? Facts And Figures To Help You Decide. By **Lea Lane**. *Forbes*. 24 March 2019. Available from: <https://www.forbes.com/sites/lealane/2019/03/24/is-cruising-safe-facts-and-figures-to-help-you-decide> With the recent *Viking Sky* cruise ship evacuation I've heard some travellers saying, "That's it. I'm not ever cruising."

Ship Operators Raise Alarms over String of Vessel Fires. *Hellenic Shipping News*. 25 March 2019. Available from: <https://www.hellenicshippingnews.com/ship-operators-raise-alarms-over-string-of-vessel-fires/> The international shipping industry is wrestling with a spate of fires aboard vessels at sea in recent months that have crippled several big cargo ships, killed a number of seafarers and cost companies and their customers hundreds of millions of dollars in damages.

Enclosed space entry. *Skuld*. 25 March 2019. Available from: <https://www.skuld.com/topics/ship/safety/enclosed-space-entry/> Failure to comply with company procedures regarding entry into enclosed spaces can be fatal.

Safety warning about drivers remaining in vehicle cabs while ferries are at sea. *UK Marine Accident Investigation Branch (MAIB)*. 26 March 2019. Available from: <https://www.gov.uk/maib-reports/safety-warning-about-drivers-remaining-in-vehicle-cabs-while-ferries-are-at-sea> Urgent safety lessons issued after shift and toppling of freight vehicles on board a ro-ro passenger ferry in heavy weather. [Safety Bulletin 1/2019](#)

TasPorts vows to improve culture in response to safety concerns and staff pressures. By **Georgie Burgess**. *ABC (Australia)*. 26 March 2019. Available from: <https://www.abc.net.au/news/2019-03-26/tasports-culture-called-into-question/10920672> The culture within Tasmania's state-owned ports operator has been called into question amid an exodus of managers, staff being "stressed beyond belief" and safety concerns.

Towards a zero-injury shipping industry. *UK Chamber of Shipping*. 28 March 2019. Available from: <https://www.ukchamberofshipping.com/latest/towards-zero-injury-shipping-industry/> No other maritime organisation has shifted the conversation around safety like the UK Chamber has in its work to help shipping companies understand and implement safer working cultures at sea and ashore.

Viking Sky incident raises concerns over Solas failings. By **Adam Corbett**. *TradeWinds*. 28 March 2019. Available from: <https://www.tradewindsnews.com/casualties/1739662/viking-sky-incident-raises-concerns-over-solas-failings> The dramatic air evacuation of the cruiseship *Viking Sky*, which was caught in a storm without power off Norway putting 1,300 lives at risk, will raise serious questions over the adequacy of industry safety regulations.

Viewpoint: Learning lessons on ferry safety. By **Michael Grey**. *Lloyd's List*. 28 March 2019. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1126658/Viewpoint-Learning-lessons-on-ferry-safety> Official statistics show 1,200 people die every year in ferry disasters and given that such events mostly take place in developing nations, the true toll is usually higher.

CHIRP Maritime FEEDBACK No.54 3/2019. *CHIRP Maritime*. March 2019. Available from: <https://www.chirpmaritime.org/wp-content/uploads/2019/03/CHIRP-MFB-54-Final-v2.pdf> We have received several reports which outline position anomalies between a vessel's AIS and ECDIS, and positions obtained from a PPU or by visual/radar position fixing.

MARITIME SECURITY

Three crew kidnapped from tanker off Guinea. By Dale Wainwright and Gary Dixon.

TradeWinds. 5 March 2019. Available from:

<https://www.tradewindsnews.com/casualties/1719252/three-crew-kidnapped-from-tanker-off-guinea>

Three Romanian seafarers have been kidnapped by pirates from a product tanker in the Gulf of Guinea.

Somali piracy and countering other organised crimes at sea. By Carina Bruwer.

The Conversation. 5 March 2019. Available from: <https://theconversation.com/somali-piracy-and-countering-other-organised-crimes-at-sea-112732>

The world's oceans are at the centre of transnational organised crimes committed by profit-driven networks operating across borders.

Nevada National Guard, Fiji, sign Peacekeeping, Maritime Security MOU. By Kelera Sovasiga.

Fiji Sun Online. 6 March 2019. Available from: <https://fijisun.com.fj/2019/03/06/nevada-national-guard-fiji-sign-peacekeeping-maritime-security-mou/>

The Nevada National Guard and the Republic of Fiji signed a Memorandum of Understanding [MOU] last Thursday with the aim of strengthening the capacity for peacekeeping and maritime security in the Pacific region.

Marines share police skills with African forces. Royal Navy. 6 March 2019. Available from:

<https://www.royalnavy.mod.uk/news-and-latest-activity/news/2019/march/06/190306-marines-share-police-skills-with-african-forces> Royal Marines spent a fortnight in Africa teaching local law enforcers how to keep their waters secure.

Singapore tugs and barges back on thieves' radar. By Dale Wainwright. TradeWinds.

15 March 2019. Available from: <https://www.tradewindsnews.com/casualties/1729691/singapore-tugs-and-barges-back-on-thieves-radar>

Barges under tow in the approaches to the Singapore Strait are again being targeted by thieves, a top UK security consultancy has warned.

Trends in African maritime security. Africa Center for Strategic Studies. 15 March 2019.

Available from: <https://africacenter.org/spotlight/trends-in-african-maritime-security/> Africa's rapidly evolving maritime security environment has prompted innovations in Africa's maritime security architecture, leading to greater regional security coordination.

US Navy teams up with commercial shipping for Gulf of Aden exercise. Naval Today.

19 March 2019. Available from: <https://navaltoday.com/2019/03/19/us-navy-teams-up-with-commercial-shipping-for-gulf-of-aden-exercise/> US 5th Fleet's Task Force 55 and commercial shipping industry representatives joined forces recently to complete exercise Lucky Mariner 19.

Obangame Express 2019 Begins. United States Navy. 19 March 2019. Available from:

https://www.navy.mil/submit/display.asp?story_id=108960 Exercise Obangame Express 2019, a U.S. Africa Command (AFRICOM) exercise in its ninth year, has begun to provide collaborative opportunities among African forces and international partners to address maritime security concerns.

Tackling a cyber attack on your ship. By David Glass. Seatrade Maritime News. 21 March 2019.

Available from: <http://www.seatrade-maritime.com/news/europe/tackling-a-cyber-attack-on-your-ship.html> The Athens residence of UK ambassador to Greece, Kate Smith was the focus of a 'cyber attack' 5 March, but UK expertise in cyber security prevailed.

Nor-Shipping Director: Norsk Hydro cyber attack a wake up call for maritime industry.

World Maritime News. 22 March 2019. Available from:

<https://worldmaritimeneeds.com/archives/273651/nor-shipping-director-norsk-hydro-cyber-attack-a-wake-up-call-for-maritime-industry/>

This week's cyber attack on Norwegian aluminium producer Norsk Hydro is a sign of the growing threat facing firms within the maritime and ocean industries, according to Per Martin Tanggaard, Director of Nor-Shipping.

Deep blue project will end criminalities in our waters - FG. *Nigerian Maritime Administration and Safety Agency (NIMASA)*. 25 March 2019. Available from: <http://www.nimasa.gov.ng/press-center/post/deep-blue-project-will-end-criminalities-in-our-waters-fg> The Minister of Transportation, Rt. Hon. Rotimi Chibuike Amaechi, has reiterated the Federal Government's determination to rid the Nigerian territorial waters of criminalities through the Integrated Security and Waterways Protection Infrastructure, otherwise known as the Deep Blue Project.

'Desperate' situation off Libya as rescued refugees 'hijack' ship. *Aljazeera*. 27 March 2019. Available from: <https://www.aljazeera.com/news/2019/03/situation-libya-rescued-refugees-hijack-ship-190327205028647.html> Concern after Italy vows to keep tanker allegedly hijacked by rescued refugees and migrants out of territorial waters.

AFM on alert as hijacked ship heads for Maltese waters. *By Bertrand Borg and Denise Grech. Times of Malta*. 27 March 2019. Available from: <https://www.timesofmalta.com/articles/view/20190327/local/migrants-take-over-merchant-ship-heading-for-malta-or-lampedusa.705731> Migrants have taken over a merchant ship off the Libyan coast and are headed north, towards Malta.

ICS deeply concerned by Mediterranean migrant rescue incident. *International Chamber of Shipping (ICS)*. 28 March 2019. Available from: <http://www.ics-shipping.org/news/press-releases/2019/03/28/ics-deeply-concerned-by-mediterranean-migrant-rescue-incident> The International Chamber of Shipping (ICS), which represents the global shipping industry, is very concerned by reports that a merchant ship, the Palau-flagged tanker 'Elhiblu 1', had been taken over by migrants rescued in the Mediterranean Sea, reportedly because the ship was going to return the some 100 rescued persons to Libya.

Hijacked tanker owner says Libya 'asked us to rescue migrants'. *Malta Independent*. 29 March 2019. Available from: <http://www.independent.com.mt/articles/2019-03-29/world-news/Hijacked-tanker-owner-says-Libya-asked-us-to-rescue-migrants-6736205839> Salah al-Hiblu, the owner of a tanker that was temporarily hijacked by migrants in the Mediterranean Sea, says his brother, the tanker's captain, was asked to rescue the migrants by the Libyan coast guard.

Five arrested after Maltese military seizes tanker hijacked by migrants. *EurActiv*. 29 March 2019. Available from: <https://www.euractiv.com/section/justice-home-affairs/news/five-arrested-after-maltese-military-seizes-tanker-hijacked-by-migrants/> Five men were arrested Thursday (28 March) after Maltese armed forces took control of a tanker that was hijacked by migrants off Libya and the ship docked in Malta.

MIGRANTS

Mediterranean migrant arrivals reach 8,956 in 2019; Deaths reach 224. *International Organization for Migration (IOM)*. 1 March 2019. Available from: <https://www.iom.int/news/mediterranean-migrant-arrivals-reach-8956-2019-deaths-reach-224> The International Organization for Migration (IOM), the UN Migration Agency, reports that 8,956 migrants and refugees have entered Europe by sea through 27 February, a 12 per cent decrease from the 10,243 arriving during the same period last year.

Nearly 90 irregular migrants held in Aegean Turkey. *By Esber Ayaydin. Anadolu Agency (Turkey)*. 3 March 2019. Available from: <https://www.aa.com.tr/en/turkey/nearly-90-irregular-migrants-held-in-aegean-turkey/1408003> At least 88 irregular migrants were held in Turkey's Aegean region, security sources said on Sunday.

Mediterranean migrant arrivals reach 9,286 in 2019; Deaths reach 226. *International Organization for Migration (IOM)*. 5 March 2019. Available from:

<https://www.iom.int/news/mediterranean-migrant-arrivals-reach-9286-2019-deaths-reach-226>

IOM, the UN Migration Agency, reports that 9,286 migrants and refugees have entered Europe by sea through the first 62 days of 2019, about a 10 per cent decrease from the 10,330 arriving during the same period last year.

Mediterranean migrant arrivals reach 9,826 in 2019; Deaths reach 230. *International Organization for Migration (IOM)*. 12 March 2019. Available from:

<https://www.iom.int/news/mediterranean-migrant-arrivals-reach-9826-2019-deaths-reach-230>

IOM, the UN Migration Agency, reports that 9,826 migrants and refugees have entered Europe by sea through 10 March, a 15 per cent decrease from the 11,636 arriving during the same period last year.

Mediterranean migrant arrivals reach 10,308 in 2019; Deaths reach 234. *International Organization for Migration (IOM)*. 15 March 2019. Available from:

<https://www.iom.int/news/mediterranean-migrant-arrivals-reach-10308-2019-deaths-reach-234>

IOM reports that 10,308 migrants and refugees have entered Europe by sea through 13 March, a 16 per cent decrease from the 12,318 arriving during the same period last year.

The continuing tragedy of migrants in Libya. By Omer Karasapan. *Brookings Institution*.

18 March 2019. Available from: <https://www.brookings.edu/blog/future-development/2019/03/18/the-continuing-tragedy-of-migrants-in-libya/>

Since 2017—when CNN released a groundbreaking report on migrant slave auctions in Libya, and Italy and Libya's Government of National Accord reached a migration deal (one of two in the country)—migrants' misery continues and may have intensified.

Italian police escort migrant boat, open trafficking probe. By Crispian Balmer. *Reuters*.

19 March 2019. Available from: <http://news.trust.org/item/20190319193651-0mvsj/> An Italian charity ship was escorted into the port of Lampedusa by police on Tuesday after rescuing 49 Africans in the Mediterranean, with Interior Minister Matteo Salvini calling for the crew to be arrested.

Mediterranean migrant arrivals reach 11,292 in 2019; Deaths reach 289. *International Organization for Migration (IOM)*. 22 March 2019. Available from:

<https://www.iom.int/news/mediterranean-migrant-arrivals-reach-11292-2019-deaths-reach-289>

The IOM reports that 11,292 migrants and refugees have entered Europe by sea through 20 March, a 13 per cent decrease from the 13,043 arriving during the same period last year.

Mediterranean migrant arrivals reach 11,901 in 2019; Deaths reach 311. *International Organization for Migration (IOM)*. 29 March 2019. Available from:

<https://www.iom.int/news/mediterranean-migrant-arrivals-reach-11901-2019-deaths-reach-311>

The International Organization for Migration (IOM) reports that 11,901 migrants and refugees have entered Europe by sea through 27 March.

Fewer crossing to Europe but migrant death toll remains worrying. By Sarah Carabott.

Times of Malta. 29 March 2019. Available from:

<https://www.timesofmalta.com/articles/view/20190329/local/fewer-crossing-to-europe-but-migrant-death-toll-remains-worrying.705764>

The number of people crossing European borders and applying for asylum has dropped but the hundreds of deaths en route and civil society's halted rescue attempts have been flagged by the EU's agency for human rights.

NAVIGATION & COMMUNICATIONS

ECDIS safety study highlights major concerns. *Nautilus International*. 28 February 2019. Available from: <https://www.nautilusint.org/en/ecdissafety> The International Maritime Organisation is set to face calls for sweeping changes to the rules governing the use of electronic chart display and information systems (ECDIS) following in-depth research into the problems experienced by masters and officers.

CEFAS scientists create first UK map of shipping 'noise'. By David Whiteley. *BBC News*. 4 March 2019. Available from: <https://www.bbc.co.uk/news/uk-england-suffolk-47375006> The first UK-wide map of underwater noise made by ships has been created, marine scientists have said.

Inmarsat Crew Xpress to enhance seafarer connectivity. *Inmarsat*. 4 March 2019. Available from: <https://www.inmarsat.com/news/inmarsat-crew-xpress-to-enhance-seafarer-connectivity/> Inmarsat is staying ahead of fast-changing dynamics in ship connectivity by launching Crew Xpress, a new service for crew available on Fleet Xpress.

Nuclear container ship «Sevmorput» sets course for new Arctic gas field. By Atle Staalesen. *Independent Barents Observer (Norway)*. 6 March 2019. Available from: <https://thebarentsobserver.com/en/arctic-industry-and-energy/2019/03/nuclear-container-ship-sevmorput-sets-course-new-arctic-gas-field> The 260 meter long, 33980 tons deadweight «Sevmorput» this week sailed from Murmansk to Arkhangelsk where it is to pick up more than 17,000 tons of construction goods.

New insights into European maritime traffic with the EMODnet vessel density maps. *European Marine Observation and Data Network (EMODnet)*. 11 March 2019. Available from: <http://www.emodnet.eu/new-insights-european-maritime-traffic-new-emodnet-vessel-density-maps> The new EMODnet digital vessel density maps, released today, allows users to visualise vessel movement patterns and the distribution of maritime traffic in European waters.

Agreement creates low-cost e-navigation service over L-band. By Martyn Wingrove. *Maritime Digitalisation & Communications*. 12 March 2019. Available from: https://www.marinemec.com/news/view_agreement-creates-lowcost-enavigation-service-over-lband_57164.htm Shipowners, operators and managers will be able to download real-time data to improve navigational safety and reduce accident risks.

NYK develops system that assists with vessel berthing. *NYK Line*. 12 March 2019. Available from: https://www.nyk.com/english/news/2019/20190312_01.html NYK and NYK Group companies MTI Co. Ltd. and Japan Marine Science Inc. (JMS) have developed a system (patent pending) to assist with vessel berthing.

Cabotage Act: NIMASA's bold new steps to protect indigenous operators. By Vincent Obia. *This Day (Nigeria)*. 17 March 2019. Available from: <https://www.thisdaylive.com/index.php/2019/03/17/cabotage-act-nimasas-bold-new-steps-to-protect-indigenous-operators/> When recently the Nigerian Maritime Administration and Safety Agency set its face against violators of the coastal and inland shipping law, after a series of engagements with stakeholders, *MT Navigator Capricorn*, a Liberian-registered Liquefied Petroleum Gas (LPG) vessel, was in plain sight.

Inmarsat sold to private equity group for \$3.4bn. *Lloyd's List*. 25 March 2019. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1126764/Inmarsat-sold-to-private-equity-group-for-34bn> The private equity group buying Inmarsat have reaffirmed the British satellite communications company will meet its obligations to provide the Global Maritime Distress and Safety System.

Ghana and Denmark sign MoU to enhance e-navigation. By Kodjo Adams. *Ghana News Agency*. 25 March 2019. Available from: <http://www.ghananewsagency.org/social/ghana-and-denmark-sign-mou-to-enhance-e-navigation-147363> Ghana and Denmark on Monday signed a Memoranda of Agreement to enhance e-navigation in the maritime sector and support implementation of international maritime regulations.

Questions abound as shipping takes tiny steps towards autonomous shipping.

By Matt Coyne. *TradeWinds*. 26 March 2019. Available from: <https://www.tradewindsnews.com/casualties/1729600/questions-abound-as-shipping-takes-tiny-steps-towards-autonomous-shipping> The opportunity for un-crewed ships seems set to make a big splash — but there are no shortage of questions to be answered first.

Autonomous collision avoidance tested using Damen crew boat. *Maritime Executive*.

26 March 2019. Available from: <https://www.maritime-executive.com/article/autonomous-collision-avoidance-tested-using-damen-crew-boat> A series of autonomous operations trials were held on the North Sea on March 19 and 20, about five nautical miles off the coast of Den Helder in the Netherlands.

PIRACY

Piracy on Nigerian waters: The truth. By Chinweizu Chidi Amuta. *Vanguard (Nigeria)*.

13 March 2019. Available from: <https://www.vanguardngr.com/2019/03/piracy-on-nigerian-waters-the-truth/> Globally, the International Maritime Bureau Piracy Reporting Centre, based in Singapore, recorded 201 incidents of maritime piracy and armed robbery in 2018, up from 180 in 2017.

Gulf of Guinea piracy spike continues into 2019. By Matt Coyne. *TradeWinds*. 19 March 2019.

Available from: <https://www.tradewindsnews.com/casualties/1733735/gulf-of-guinea-piracy-spike-continues-into-2019> In the first 10 weeks of the new year, at least 25 seafarers have been kidnapped while traversing the Gulf of Guinea and a Nigerian Navy guard killed in an attack, according to UK security consultancy Gray Page citing data from the International Maritime Bureau.

PORT STATE CONTROL

Foreign flagged ships detained in the UK during February 2019. *UK Maritime & Coastguard Agency*.

11 March 2019. Available from: <https://www.gov.uk/government/news/foreign-flagged-ships-detained-in-the-uk-during-february-2019> The Maritime and Coastguard Agency (MCA) announced today that nine foreign flagged ships remained under detention in UK ports during February 2019 after failing Port State Control (PSC) inspection.

PORTS & HARBOURS

Panama Canal reduces draught for new locks for fourth time due to severe dry season.

By Michele Labrut. *Seatrade Maritime News*. 1 March 2019. Available from: <http://www.seatrade-maritime.com/news/americas/panama-canal-reduces-draught-for-new-locks-for-fourth-time-due-to-severe-dry-season.html> As the severe dry season continues the Panama Canal authorities announced on Thursday it will reduce the draught in the neo-panamax locks for a fourth time effective 29 March.

Interview: Belt and Road Initiative can benefit all, Piraeus port a good example: experts.

By Maria Spiliopoulou. *Xinhuanet (China)*. 3 March 2019. Available from: http://www.xinhuanet.com/english/2019-03/03/c_137863792.htm The Belt and Road Initiative (BRI) can benefit all countries, all peoples, and Piraeus port project in Greece is a good example, two Chinese experts told Xinhua on the sidelines of the fourth annual Delphi Economic Forum running to Sunday here.

Los Angeles appoints Diane Middleton as port commissioner. By Eric Watkins.

Lloyd's List. 7 March 2019. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1126519/Los-Angeles-appoints-Diane-Middleton-as-port-commissioner> Los Angeles City Council has approved the appointment of Diane Middleton to the five-member Los Angeles Board of Harbor Commissioners.

Sandra Opoku appointed acting Tema Port Director.

News Ghana. 7 March 2019. Available from: <https://www.newsghana.com.gh/sandra-opoku-appointed-acting-tema-port-director/> Madam Sandra Opoku, General Manager, Legal, Ghana Ports and Harbours Authority, has been appointed as the acting Director of the Tema Port.

SEALNG welcomes first north American port member.

SEA\LNG. 7 March 2019. Available from: <https://sea-lng.org/sealng-welcomes-first-north-american-port-member/> The Vancouver Fraser Port Authority has joined SEA\LNG, the multi-sector industry coalition aiming to accelerate the widespread adoption of liquefied natural gas (LNG) as a marine fuel.

Yemen - port situation.

Gard. 8 March 2019. Available from: <http://www.gard.no/web/content/yemen-port-situation> There have been no major changes to the status of Yemeni ports, or to the port entry clearance conditions, since the Hodeidah ceasefire agreement entered into force on 18 December 2018.

Coordinated action to mitigate the effect of a hard Brexit around the port of Rotterdam.

Port of Rotterdam. 11 March 2019. Available from: <https://www.portofrotterdam.com/en/news-and-press-releases/coordinated-action-to-mitigate-the-effect-of-a-hard-brexit-around-the-port> The Port of Rotterdam Authority, the Municipality of Rotterdam, the Municipality of Vlaardingen and highways authority Rijkswaterstaat are creating five new buffer parking sites.

Port growth to level off over next decade.

Maritime Executive. 14 March 2019. Available from: <https://www.maritime-executive.com/article/port-growth-to-level-off-over-next-decade> Volume growth will continue for ports throughout the world but at a more modest pace over the next 10 years, according to Fitch Ratings in a new report.

Shoreham Port leads work on attracting more women to maritime jobs. By Elaine Hammond.

Shoreham Herald (UK). 18 March 2019. Available from: <https://www.shorehamherald.co.uk/news/transport/shoreham-port-leads-work-on-attracting-more-women-to-maritime-jobs-1-8853365> Shoreham Port celebrated International Women's Day by inviting female staff across all departments to share images of themselves on social media.

Italy may be ready to open up four ports to Chinese investment under 'Belt and Road Initiative'. By Stuart Lau. *South China Morning Post*. 19 March 2019. Available from: <https://www.scmp.com/news/china/diplomacy/article/3002305/italy-may-be-ready-open-four-ports-chinese-investment-under> 📰 Prime Minister Conte seeks to assure Italians national security will be safe after deals.

NPA remains committed to women empowerment - Managing Director. *Nigerian Ports Authority*. 20 March 2019. Available from: <http://nigerianports.gov.ng/2019/03/20/npa-remains-committed-to-women-empowerment-managing-director/> The Managing Director of the Nigerian Ports Authority, Hadiza Bala Usman has stated that the Organisation is fully committed to the welfare of women especially those in the Maritime sub sector.

Insight: Are VGM demands weighing on ports? *Port Technology International*. 21 March 2019. Available from: <https://www.porttechnology.org/news/insight-are-vgm-demands-weighing-on-ports> Two and a half years ago, Port Technology's traffic was going wild for container weighing as ports across the world rushed to watch our video insight explaining the rule.

GP Global to offer 0.5% fuel from April to major bunkering ports. By Lee Hong Liang. *Seatrade Maritime News*. 28 March 2019. Available from: <https://bit.ly/2FHawZi> UAE-based GP Global will make 0.5% sulphur content bunker fuel available from April this year to major ports including Fujairah, Singapore and the ARA region, in response to the upcoming IMO 2020 regulation.

LR launches industry first airborne noise notation for ships in ports. *Lloyd's Register*. 28 March 2019. Available from: <https://www.lr.org/en-gb/latest-news/first-airborne-noise-notation/> LR has released a new airborne noise emission notation (ABN) and ShipRight procedure to meet increasing demand for a standard and methodology to control airborne noise emissions from ships.

REGULATIONS

Alix Partners expects sulfur cap could "make or break" liner companies in 2019. **By Daniel Logan Berg-Munch.** *ShippingWatch*. 28 February 2019. Available from: <https://shippingwatch.com/secure/carriers/Container/article11221509.ece> The global sulfur cap and a surge in capacity will make 2019 another challenging year for the strained container shipping sector.

Container-shipping industry needs to offset up to \$10 billion in costs accompanying new international sulfur regulation, says AlixPartners study. *AlixPartners*. 28 February 2019. Available from: <https://www.alixpartners.com/media-center/press-releases/container-shipping-industry-needs-to-offset-10-billion-in-costs/> To offset the costs of IMO 2020, carriers plying Asia-Europe routes last year would have had to increase their surcharges 40%, while those on eastbound Asia-Americas routes would have had to increase them 33%.

Ballast Water Management - Guidance for best practices on sampling. *European Maritime Safety Agency (EMSA)*. 1 March 2019. Available from: <https://bit.ly/2U0mvVL> This document provides best practice guidance and a harmonised approach to sampling for compliance in accordance with Article 9 of the IMO Ballast Water Convention 2004. [Guidance](#)

The biggest change in global fuel regulations since ledged gas went away could cause price shocks. By Patti Domm. *CNBC (US)*. 1 March 2019. Available from: <https://www.cnbc.com/2019/03/01/biggest-change-in-fuel-since-ledged-gas-went-away-could-raise-prices.html> 📰 Tens of thousands of ships sailing the world's oceans currently burn more than 3 million barrels a day of a high sulfur, sludge-like fuel, but starting next year the shipping industry will have to comply with rules to dramatically reduce sulfur emissions.

Is the global shipping industry ready for IMO 2020? *Bloomberg*. 8 March 2019. Available from: <https://www.bloomberg.com/news/videos/2019-03-08/is-the-global-shipping-industry-ready-for-imo-2020-video> International Maritime Organization's sulfur emissions limit for the shipping industry will start in January 2020.

Shipping needs to set timelines now to be IMO 2020 compliant: WSM executive.

By Surabhi Sahu. *S&P Global Platts*. 11 March 2019. Available from:

<https://www.spglobal.com/platts/en/market-insights/latest-news/shipping/031119-shipping-needs-to-set-timelines-now-to-be-imo-2020-compliant-wsm-executive> There should be an urgency now among various players in the shipping industry, including shipowners and charterers, to plan for the International Maritime Organization's global sulfur limit rule as the 2020 deadline is fast approaching and transition will be challenging, Rajiv Nigam, general manager, technical services group at Wilhelmsen Ship Management said Thursday.

Authorities ready to play hard ball on IMO 2020. **By Adam Corbett and Lucy Hine.** *TradeWinds*. 11 March 2019. Available from: <https://www.tradewindsnews.com/legal/1723040/authorities-ready-to-play-hard-ball-on-imo-2020> Shipowners who are hoping for a soft approach in the early days of IMO 2020 will be disappointed.

Feature: Singapore high viscosity bunkers face uncertain future due to IMO 2020.

By Jeslyn Lerh and Surabhi Sahu. *S&P Global Platts*. 12 March 2019. Available from:

<https://www.spglobal.com/platts/en/market-insights/latest-news/shipping/031219-feature-singapore-high-viscosity-bunkers-face-uncertain-future-due-to-imo-2020> Bunker fuels with viscosity of 500 CST and above face an uncertain future ahead of the International Maritime Organization's global sulfur limit deadline, as industry sources expect demand to decline to almost zero in Singapore and 20%-40% globally.

IMO 2020 full sail ahead: Incoming waves for refiners, shipowners. **By James Morgan.**

Hellenic Shipping News. 13 March 2019. Available from:

<https://www.hellenicshippingnews.com/imo-2020-full-sail-ahead-incoming-waves-for-refiners-shipowners/> As of January 1, 2020, the International Maritime Organization (IMO) will begin enforcing a new regulation that caps the allowable sulfur content of all marine fuels from its current level of 3.5% m/m (mass/mass) to 0.5% m/m.

ExxonMobil eyes marine fuels business expansion as IMO 2020 deadline looms.

By Gaurav Sharma. *Forbes*. 13 March 2019. Available from:

<https://www.forbes.com/sites/gauravsharma/2019/03/13/exxonmobil-eyes-marine-fuel-business-expansion-as-imo-2020-deadline-looms> As the shipping world scrambles to get ready for the International Maritime Organization's IMO 2020 ruling, oil major ExxonMobil's marine fuels outfit is "digging deep" to be at the forefront of the emerging low sulfur market.

Installing scrubbers for IMO 2020 could cost carriers 200 teu per voyage. **By Mike Wackett.**

The Loadstar. 13 March 2019. Available from: <https://theloadstar.com/installing-scrubbers-for-imo-2020-could-cost-carriers-200-teu-per-voyage/> Scrubbers installed on ultra-large large container vessels (ULCVs) could take up "at least 200 teu" of container slots, according to Alphaliner.

IMO 2020 - ExxonMobil confirms 0.5% fuel supplies by Q3 2019. **By Lee Hong Liang.**

Seatrade Maritime News. 18 March 2019. Available from: [http://www.seatrade-](http://www.seatrade-maritime.com/news/americas/imo-2020-exxonmobil-confirms-0-5-fuel-supplies-by-q3-2019.html)

[maritime.com/news/americas/imo-2020-exxonmobil-confirms-0-5-fuel-supplies-by-q3-2019.html](http://www.seatrade-maritime.com/news/americas/imo-2020-exxonmobil-confirms-0-5-fuel-supplies-by-q3-2019.html) Oil major ExxonMobil has announced that it will make IMO 2020 compliant low sulphur fuels available by the third quarter of 2019.

Ship owners worry about clean fuel bill as ports ban 'scrubbers'. **By Jonathan Saul and Nina Chestney.** *Reuters*. 19 March 2019. Available from: <https://reut.rs/2uOLwsJ> More ports around the world are banning ships from using a fuel cleaning system that pumps waste water into the sea, one of the cheapest options for meeting new environmental shipping rules.

The IMO 2020 sulfur cap in the United States: Compliance issues. By Peter R. Knight. *Maritime Executive*. 19 March 2019. Available from: <https://www.maritime-executive.com/editorials/the-imo-2020-sulfur-cap-in-the-united-states-compliance-issues>
The International Maritime Organization sulphur cap is fast approaching.

Cockett Group: IMO 2020 compliance guide launches today. *Splash 247.com*. 21 March 2019. Available from: <https://splash247.com/cockett-group-imo-2020-compliance-guide-launches-today/>
Today sees the launch of a special IMO 2020 compliance guide published by sister title Maritime CEO in association with Cockett Marine Oil.

IMO 2020 - Fuel uncertainties a cause for concern. By Paul Bartlett. *Seatrade Maritime News*. 25 March 2019. Available from: <http://www.seatrade-maritime.com/news/europe/imo-2020-fuel-uncertainties-a-cause-for-concern.html> "I'm crossing my fingers here," DNV GL's director, environment Eirik Nyhus admitted recently.

Bunker traders set to play bigger role in facilitating credit, information as IMO 2020 approaches. By Surabhi Sahu. *S&P Global Platts*. 26 March 2019. Available from: <https://www.spglobal.com/platts/en/market-insights/latest-news/shipping/032619-bunker-traders-set-to-play-bigger-role-in-facilitating-credit-information-as-imo-2020-approaches> The role of bunker traders is undergoing a transformation as 2020 approaches, with many likely to play an increasingly vital role as harbingers of credit and information to a market which is dealing with the complexity of the International Maritime Organization's global sulfur limit rule for marine fuels, industry sources told S&P Global Platts.

BP: Refiners have invested \$1bn to meet IMO 2020. By Dale Wainwright. *TradeWinds*. 27 March 2019. Available from: <https://www.tradewindsnews.com/tankers/1740092/bp-refiners-have-invested-usd-1bn-to-meet-imo-2020> The global refining industry have invested about \$1bn so far to produce low-sulphur marine fuel to meet new the new IMO 2020 sulfur cap, according to a top BP executive.

The effects of changes to marine fuel sulfur limits in 2020 on energy markets. *US Energy Information Administration (EIA)*. 27 March 2019. Available from: <https://www.eia.gov/outlooks/studies/imo/> With a planned effective date of January 1, 2020, the International Maritime Organization's (IMO) new regulations (IMO 2020) limit the sulfur content in marine fuels that ocean-going vessels use to 0.5% by weight, a reduction from the previous limit of 3.5% established in 2012. [Report](#)

Interview: BIMCO developing clauses, contracts to prepare for IMO 2020. By Surabhi Sahu. *S&P Global Platts*. 27 March 2019. Available from: <https://bit.ly/2UdwZky> BIMCO, the world's largest international shipping association, is developing various clauses and contracts to help shipowners prepare for the International Maritime Organization's global sulfur limit rule for marine fuels, starting January 1, 2020, BIMCO's head of contracts and clauses Grant Hunter said Tuesday.

The Lloyd's List Podcast: Total talks 2020. By Richard Meade. *Lloyd's List*. 29 March 2019. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1126838/The-Lloyds-List-Podcast-Total-talks-2020> We are now nine months away from the 2020 low-sulphur fuel regulations coming into effect and there are still a few stakeholders feeling a little nervous.

SALVAGE

Why ship owners are reluctant to help distress colleagues. By Godfrey Bivbere.

Vanguard (Nigeria). 13 March 2019. Available from: <https://www.vanguardngr.com/2019/03/why-ship-owners-are-reluctant-to-help-distress-colleagues/> Ship owners' reluctance to assist in salvage operations when other vessels are in distress has been attributed to an aspect of the law which empowers the owner of the distressed vessel to sue the rescuer in case of damages to vessel in distress or loss of lives.

Salvors plug Solomon Trader oil spill. By Adam Corbett. TradeWinds.

14 March 2019. Available from: <https://www.tradewindsnews.com/casualties/1728924/salvors-plug-solomon-trader-oil-spill> Salvors are close to ending further oil spills from a grounded bulker in the Solomon Islands.

SEAFARERS

Minister urged to provide Brexit assurances on certificate recognition. *Nautilus International*. 27 February 2019. Available from: <https://www.nautilusint.org/en/news-insight/news/minister-urged-to-provide-brexit-assurances-on-certificate-recognition/> Nautilus has urged the UK government to provide practical support and reassurances for British seafarers whose ability to work in Europe could be affected by Brexit.

Kenya Maritime Authority aids Kenyan crew. *Kenya Maritime Authority (KMA)*. 1 March 2019. Available from: https://kma.go.ke/images/docs/KMA_Aids_Kenyan_Crew.pdf The Kenya Maritime Authority (KMA) has aided in the repatriation of seven (7) Kenyan seafarers who worked onboard *Comarco Falcon* IMO No. 9191216 in South Africa.

Sea didn't know our gender, say women who sailed around the world. By Nithya Mandyam. *Times of India*. 2 March 2019. Available from: <https://bit.ly/2VnqWLz> Speaking to TOI exclusively, the women officers shared some of the happy and fearful moments during their journey.

Indian Government makes human rights at sea commitment. *Maritime Executive*. 3 March 2019. Available from: <https://www.maritime-executive.com/article/indian-government-makes-human-rights-at-sea-commitment> The inaugural national-level seminar on "Human Rights at Sea" was held by the Forum for Integrated National Security (FINS) think-tank in Mumbai on February 28.

U.S. maritime workforce grows to 650,000 Americans in booming jobs economy.

Transportation Institute (US). 4 March 2019. Available from: <https://transportationinstitute.org/u-s-maritime-workforce-grows-to-650000/> Following last month's news of 304,000 U.S. jobs created in January, Transportation Institute (TI), a leading maritime association which advocates and works for sound national maritime policy in the United States, today announced a 30% increase in domestic maritime job creation enabled by the Jones Act.

Conclusions on the recruitment and retention of seafarers and the promotion of opportunities for women seafarers. *International Labour Organization (ILO)*. 4 March 2019. Available from: <https://bit.ly/2H0kJBJ> Shipping is the engine of global trade, carrying over 90 per cent of world trade in terms of tonnage and the movement of millions of passengers.


Shipping vows to repatriate abandoned crews. By Sam Chambers. Splash 247.com.

5 March 2019. Available from: <https://splash247.com/shipping-vows-to-repatriate-abandoned-crews/> Repatriation of abandoned crews was one of the key topics discussed at last week's International Labour Organization (ILO) Special Tripartite Committee on the Maritime Labour Convention (MLC), with owners, unions and regulators in attendance.

Celebrity Cruises' Captain McCue demands respect. *TradeWinds*. 5 March 2019. Available from: <https://www.tradewindsnews.com/passengerships/1718332/celebrity-cruises-captain-mccue-demands-respect> Celebrity Cruises' Captain Kate McCue has a novel way of welcoming guests onboard the 2,850-passenger *Celebrity Equinox* (built 2009).

International Women's Day: aiming to increase the proportion of women on tankers to 5%. **By Craig Jallal.** *Tanker Shipping & Trade*. 7 March 2019. Available from: <https://bit.ly/2FR0aEV> It is estimated that women only form 2% of the fleet-wide tanker crew while forming the majority of backroom shore-based staff in many shipmanagement companies.

Bjorn Tore Larsen says female seafarers central to guide shipping forward. **By Andy Pierce.** *TradeWinds*. 7 March 2019. Available from: <https://www.tradewindsnews.com/finance/1722483/bjorn-tore-larsen-says-female-seafarers-central-to-guide-shipping-forward> Bjorn Tore Larsen has placed gender equality at the top of the agenda after taking back the chief executive's chair at OSM Maritime.

Abandoned Indian Seafarer Family Statement on behalf of Captain Swaminathan. *Human Rights at Sea (HRAS)*. 8 March 2019. Available from: <https://www.humanrightsatsea.org/2019/03/08/abandoned-indian-seafarer-family-statement-on-behalf-of-captain-swaminathan/> Human Rights at Sea today publishes the first of a series of follow-up family focused case studies for those Indian seafarers still abandoned, some reportedly for over 33 months, offshore the UAE. [HRAS Abandonment Case Study](#) 

US Supreme Court to rule on seafarer's damages case. **By Matt Coyne.** *TradeWinds*. 11 March 2019. Available from: <https://www.tradewindsnews.com/legal/1720465/us-supreme-court-to-rule-on-seafarers-damages-case> The legal recourse available to injured seafarers — and the liability assumed by shipowners — could be in for a big change thanks to a case set for the US Supreme Court.

Seychelles: Fishing crew exploited. *Apostleship of the Sea (AoS)*. 11 March 2019. Available from: <https://www.apostleshipofthesea.org.uk/seychelles-fishing-crew-exploited> Albert Napier, Apostleship of the Sea Seychelles Port Chaplain stepped in to assist after a fight broke out involving crew of a fishing vessel in Seychelles.

ILO meeting agrees measures to attract and retain seafarers and to promote opportunities for women seafarers. *International Labour Organization (ILO)*. 11 March 2019. Available from: https://www.ilo.org/sector/news/WCMS_675948/lang--en/index.htm Qualified seafarers are essential to achieving safe, secure, environmentally sound and efficient shipping.

Ship crew stranded off UAE coast in legal dispute lose hope for return. **By Nick Webster.** *The National (United Arab Emirates)*. 12 March 2019. Available from: <https://www.thenational.ae/uae/transport/ship-crew-stranded-off-uae-coast-in-legal-dispute-lose-hope-for-return-1.836025> Families of more than 30 seafarers stranded on abandoned ships anchored off the UAE coast are losing hope that their legal cases will be resolved and their loved ones be allowed to return home.

Shipping disputes and suicides at sea are a global issue. **By Nick Webster.** *The National (United Arab Emirates)*. 12 March 2019. Available from: <https://www.thenational.ae/uae/shipping-disputes-and-suicides-at-sea-are-a-global-issue-1.836224> Shipping disputes that expose vulnerable seafarers to drawn-out legal cases that leave them stranded at sea without pay are not exclusive to the UAE.

Five crew reportedly kidnapped from OSV off Nigeria. **By Dale Wainwright.** *TradeWinds*. 13 March 2019. Available from: <https://www.tradewindsnews.com/casualties/1727487/five-crew-reportedly-kidnapped-from-osv-off-nigeria> Five crew are reported to have been kidnapped from an offshore support vessel off Nigeria following an attack by armed pirates.

7 Filipino seafarers jailed in Libya return home. By Rudy Santos. *Philippine Star.*

14 March 2019. Available from: <https://www.philstar.com/nation/2019/03/14/1901239/7-filipino-seafarers-jailed-libya-return-home> The seven Filipino seafarers released from prison in Libya after they were acquitted of fuel smuggling have returned to the Philippines.

SIU of Canada aims to bring hundreds of skilled workers on board. *Seafarers' International Union of Canada.* 15 March 2019. Available from: <https://www.seafarers.ca/siu-canada-aims-bring-hundreds-skilled-workers-board/> With the opening of maritime shipping season only a few weeks away, the SIU of Canada has an immediate need to hire hundreds of skilled workers to address an ongoing labour shortage in Canada's fast-growing marine shipping industry.

Meet Royal Caribbean's first Asian captain. By Jacintha Stephens. *Seatrade Cruise News.* 17 March 2019. Available from: www.seatrade-cruise.com/news/news-headlines/meet-royal-caribbean-s-first-asian-captain.html *Vogager of the Seas* which is currently sailing in Southeast Asia, is helmed by Royal Caribbean's first Asian captain.

PH risks dropping out of global maritime list. By Carmela I. Huelar. *Manila Times.* 18 March 2019. Available from: <https://www.manilatimes.net/ph-risks-dropping-out-of-global-maritime-list/527167/> The jobs of 400,000 Filipino seafarers and the country's good standing in the global maritime community are at stake because of the country's supposed failure to comply with global reporting standards.


How to deal with bullying and harassment at sea - UK P&I comments. *UK P&I Club.* 18 March 2019. Available from: <https://www.ukpandi.com/knowledge-publications/article/press-release-how-to-deal-with-bullying-and-harassment-at-sea-uk-p-i-comments-147733/> Sophia Bullard, Crew Health Programme Director at UK P&I Club, comments on how to deal with bullying and harassment aboard ships: "Over the past decade, we have seen an increased focus on the subject of harassment in the maritime sector."

Seafarers hit Marina for placing jobs at risk. By Raffy Ayeng. *Manila Times.* 19 March 2019. Available from: <https://www.manilatimes.net/seafarers-hit-marina-for-placing-jobs-at-risk/527695/> A group of seafarers lambasted the Maritime Industry Authority (Marina) on Monday for failing to implement global maritime standards, saying the agency's inability to comply with reporting requirements placed thousands of jobs at risk.

UK seafarer tickets will be invalid after Brexit. By David Osler. *Lloyd's List.* 19 March 2019. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1126696/UK-seafarer-tickets-will-be-invalid-after-Brexit> Seafarers with British certificates of competence will lose the automatic right to work on European Union and European Economic Area flag ships after the UK leaves the bloc, it has emerged.

Unpaid and stranded sailors in UAE seek justice. By Anjana Sankar. *Khaleej Times (United Arab Emirates).* 21 March 2019. Available from: <https://www.khaleejtimes.com/nation/abu-dhabi/unpaid-and-stranded-sailors-in-uae-seek-justice-12> As per international maritime law, the men cannot abandon their vessel and come to the shore.

Night out ends in rescue for drunk crew. By Gary Dixon. *TradeWinds.* 21 March 2019. Available from: <https://www.tradewindsnews.com/casualties/1735480/night-out-ends-in-rescue-for-drunk-crew> A drunken night out ended in a rescue mission after three seafarers from a Russian cargoship were stranded on an island off the UK.

Abandoned Indian Seafarer Family Statement on behalf of AB Mayur Gawade off UAE Coast. *Human Rights at Sea (HRAS).* 24 March 2019. Available from: <https://www.humanrightsatsea.org/2019/03/24/abandoned-indian-seafarer-family-statement-on-behalf-of-ab-mayur-gawade-off-uae-coast/> Following on from two previously issued Indian seafarer abandonment case studies from vessels currently off the UAE coast, today, Human Rights at Sea publishes the third family statement on behalf of AB Mayur Gawade. [Abandonment Case Study](#) 

Sailors recall ordeal: 'Cleaned floors, battled depression in Greek jail'.

By Narayan Namboodiri. *Times of India*. 25 March 2019. Available from:

<https://timesofindia.indiatimes.com/city/mumbai/cleaned-floors-battled-depression-in-greek-jail/articleshow/68553800.cms> We lost 13 precious months of our lives for no fault of ours Indian crew members of the Tanzania-flagged merchant cargo vessel, *M V Andromeda*, who were sent to jail after their ship was detained in Greece in January 2018 for carrying 'explosive material'.

German bulk carrier detained after crew complain of no food, bullying and denial of shore leave.

International Transport Workers' Federation (ITF). 27 March 2019. Available from:

<https://www.itfglobal.org/en/news/german-bulk-carrier-detained-after-crew-complain-no-food-bullying-and-denial-shore-leave> The Liberian-registered bulk carrier "*Anna-Elisabeth*" has been detained by Australian authorities after international crew on board a bulk carrier complained of insufficient food, bullying aboard the vessel and denial of shore leave.

Rise of the 'aquanaut' keeps human element at fore of autonomous ship technology.

By Matt Coyne. *TradeWinds*. 27 March 2019. Available from: <https://bit.ly/2UgVYII>

Claire Pekcan wants the shipping industry to remember the human element.

SEARCH & RESCUE

Sophia in limbo: political games limit sea rescues. **By Tobias Pietz.** *EU Observer*.

4 March 2019. Available from: <https://euobserver.com/opinion/144304> There are only few weeks left until the mandate of the EU's naval mission in the Mediterranean, EUNAVFOR Med [Operation Sophia], will expire on 31 March.

Plan of action: Twenty steps for a fair and predictable rescue system in the Mediterranean sea. *Human Rights Watch (HRW)*. 6 March 2019. Available from:

https://www.hrw.org/sites/default/files/supporting_resources/action_plan_mediterranean.pdf 📄

Establish a temporary mechanism for predictable disembarkation and relocation.

'Migrant-rescuing' firefighter's 'vortex of worry' over human trafficking probe.

By Marta Rodriguez Martinez. *Euronews*. 7 March 2019. Available from:

<https://www.euronews.com/2019/03/07/migrant-rescuing-firefighter-s-vortex-of-worry-over-human-trafficking-probe> 📰 A firefighter who says he tried to rescue migrants in the Mediterranean has told Euronews of his "overwhelming vortex of worry" after being probed over human trafficking.

Celebrating women in maritime search and rescue. *International Maritime Rescue Federation*.

8 March 2019. Available from: <https://www.international-maritime-rescue.org/News/celebrating-women-in-maritime-search-and-rescue> It's fifty years since a woman first qualified as a RNLI lifeboat crew member and Rebecca Sweeney, Executive Officer with IMRF, knows what it's like to be on a lifeboat in all weathers.

EU discord over Operation Sophia cast doubts on fate of Mediterranean migrants.

By Taylor Heyman. *The National (United Arab Emirates)*. 16 March 2019. Available from:

<https://www.thenational.ae/world/europe/eu-discord-over-operation-sophia-cast-doubts-on-fate-of-mediterranean-migrants-1.837463> As the renewal deadline for the EU's military anti-smuggling operation in the Mediterranean draws near, disagreements between EU nations are putting the mission at risk.

Italy's Salvini lays down law for migrant rescue ships. *France 24*. 19 March 2019.

Available from: <https://www.france24.com/en/20190319-italys-salvini-lays-down-law-migrant-rescue-ships> Italian Interior Minister Matteo Salvini on Monday launched a fresh crackdown on charity ships which rescue migrants off Libya and bring them to Italy.

What Italy's Interior Minister should have said about rescue at sea. By Judith Sunderland.

Human Rights at Sea (HRAS). 26 March 2019. Available from:

<https://www.hrw.org/news/2019/03/26/what-italys-interior-minister-should-have-said-about-rescue-sea> Italy's Interior Minister Matteo Salvini recently issued a circular on sea border control in an attempt to block those rescued in the Mediterranean Sea from being brought ashore to Italy.

EU to end ship patrols in scaled down migrant rescue operation - diplomats.

By Gabriela Baczynska. *Reuters*. 26 March 2019. Available from: <https://reut.rs/2TYgKYj>

The European Union will cease the maritime patrols that have rescued thousands of migrants making the perilous Mediterranean Sea crossing from North Africa to Europe, but it will extend air missions, two diplomats said on Tuesday.

SHIP RECYCLING

Here is an overview of how many ships were scrapped last year. By Simon Valeur.

ShippingWatch. 5 March 2019. Available from:

<https://shippingwatch.com/secure/carriers/Container/article11230276.ece> Scrapping of container and dry bulk ships was record-low in 2018, while a large number of tanker and offshore vessels were sent to the scrap yards.

Growing movement pushing for increased transparency on ship recycling. *Ship Recycling Transparency Initiative (SRTI)*. 6 March 2019. Available from:

<https://www.shiprecyclingtransparency.org/app/uploads/2019/03/SRTI-Press-release-SRTI-2019-Report-6-March-2019.pdf> The first report of the Ship Recycling Transparency Initiative (SRTI) was launched today, at Tradewinds Ship Recycling Forum 2019 in Hong Kong. [SRTI 2019 Report](#)

European Commission keeps the door open for Alang's shipbreakers.

By Jonathan Boonzaier. *TradeWinds*. 8 March 2019. Available from:

<https://www.tradewindsnews.com/casualties/1723291/european-commission-keeps-the-door-open-for-alangs-shipbreakers> Peter Koller, policy officer at the European Commission's waste management and recycling unit, said that door is still open for Indian shipbreakers to be included on the list of yards that owners must use for scrapping EU flag vessels.

Norway wealth fund's watchdog turns spotlight on India shipbreaking. By Gwladys Fouche.

Reuters. 13 March 2019. Available from: <https://reut.rs/2G2GOhp> The ethics watchdog for Norway's \$1-trillion wealth fund will focus this year on shipbreaking on India's beaches, which endangers workers and pollutes the sea and sand, and will also look into pollution caused by pharmaceutical companies.

Ship recycling yards in Southeast Asia close to get EU approval, amid sector refocus and increased scrutiny for ship owners. By Nikos Roussanoglou. *Hellenic Shipping News*.

14 March 2019. Available from: <https://bit.ly/2Kb95q0> Ship recycling in Southeast Asia is moving forward with plans to better comply to safety regulations, in a period during which scrutiny for ship owners is getting bigger and bigger.

Shipping companies risk tough penalties for shipbreaking. By Niklas Krigslund.

ShippingWatch. 21 March 2019. Available from:

<https://shippingwatch.com/secure/carriers/article11267227.ece> Shipping companies could risk fines and prison sentences if they circumvent the regulations for shipbreaking, warns shipping lawyer.

SHIPBUILDING & SHIPREPAIR

Russian official confirms plans for behemoth icebreaker. By Charles Digges. *Maritime Executive*. 28 February 2019. Available from: <https://www.maritime-executive.com/editorials/russian-official-confirms-plans-for-behemoth-icebreaker> Russian officials have said they will back the overhaul of an ailing Far Eastern shipyard in order to build an enormous nuclear icebreaker the Kremlin hopes will cement its control of Arctic waterways, the official Tass newswire reported this week.

Shipping heavyweight orders world's first mega-container vessel retrofit to LNG. *MAN Energy Solutions*. 6 March 2019. Available from: <https://bit.ly/2TY8rf2> Hapag-Lloyd pilot gas-conversion leads the way for emissions reduction and decarbonisation.

Wärtsilä to design and equip state-of-the-art transport vessel for Aker BioMarine. *Wärtsilä Corporation*. 19 March 2019. Available from: <https://bit.ly/2G3yrCm> The technology group Wärtsilä has been awarded the contract to design a state-of-the-art multipurpose transport vessel that will operate in Antarctic waters.

Cosco develops record-breaking 25,000 teu ship design. By Sam Chambers. *Splash 247.com*. 21 March 2019. Available from: <https://splash247.com/cosco-develops-record-breaking-25000-teu-ship-design/> A Cosco ship design subsidiary has completed designs for a record-breaking 25,000 teu ship.

SHIPPING

Saudi Aramco dismisses peak oil demand 'hype', touts carbon efficiency. By Megan Darby. *Climate Home News*. 26 February 2019. Available from: <https://bit.ly/2tJAsMJ> The oil sector faces a "crisis of perception", Saudi Aramco's chief warned an industry conference in London on Tuesday.

Dual use LNG shipping: A gamechanger for carbon management?
By Ramanan Krishnamoorti and Aparajita Datta. *Forbes*. 28 February 2019. Available from: <https://www.forbes.com/sites/uhenergy/2019/02/28/dual-use-lng-shipping-a-gamechanger-for-carbon-management/> Finding ways to not only capture carbon emissions but use or store the carbon presents both a challenge and an opportunity for the industry in our increasingly carbon-constrained world.

DG NIMASA advocates greater role for African women in maritime. *Nigerian Maritime Administration and Safety Agency (NIMASA)*. 28 February 2019. Available from: <http://www.nimasa.gov.ng/press-center/post/dg-nimasa-advocates-greater-role-for-african-women-in-maritime> In line with the global focus on enhancing the role of women in the maritime and shipping sector, the Director General of the Nigerian Maritime Administration and Safety Agency (NIMASA), Dr. Dakuku Peterside, has announced the Agency's readiness to support initiatives aimed at getting more African women involved in the industry.

Fuels and finances to dominate carrier concerns. By James Baker. *Lloyd's List*. 28 February 2019. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1126437/Fuels-and-finances-to-dominate-carrier-concerns> As container line executives descend on Long Beach for the annual TPM conference next week, minds are likely to be focused on the key challenges facing the liner shipping sector this year.

Greening the shipping sector. *ING*. 28 February 2019. Available from: <https://www.ing.com/Newsroom/All-news/Greening-the-shipping-sector.htm> Shipping carries more than 90 percent of the world's trade, accounting for a significant proportion of the global climate change problem.

2019 Global Container Shipping Outlook : IMO 2020 weighs on an industry struggling to generate sustained profitability. *AlixPartners*. February 2019. Available from: https://emarketing.alixpartners.com/rs/emsimages/2019/Pubs/EI/AP_Global_Container_Shipping_Outlook_Feb_2019.pdf Political crosscurrents in the form of trade disputes resulting in new tariffs—and to a lesser extent, the UK's impending exit from the EU—could rock the industry throughout 2019.

'Container shipping demand will outpace supply in 2019'. *Ships & Ports*. 1 March 2019. Available from: <http://shipsandports.com.ng/container-shipping-demand-will-outpace-supply-2019/> The global container shipping market is expected to stay on a recovery course this year with demand growth predicted to outpace supply growth, according to Yang Ming Marine Transport Corp chairman Bronson Hsieh.

LNG does offer pathway to IMO 2050. *SEALNG*. 1 March 2019. Available from: <https://sea-lng.org/lng-does-offer-pathway-to-imo-2050/> SEALNG, the multi-sector industry coalition aiming to accelerate the widespread adoption of liquefied natural gas (LNG) as a marine fuel, believes LNG is a viable pathway to meet the IMO's 2050 Greenhouse Gas (GHG) targets.

Analysis: Asian refiners advance plans to produce IMO-compliant fuel despite hurdles. **By Sambit Mohanty.** *S&P Global Platts*. 5 March 2019. Available from: <https://www.spglobal.com/platts/en/market-insights/latest-news/shipping/030519-analysis-asian-refiners-advance-plans-to-produce-imo-compliant-fuel-despite-hurdles> Leading Asian refiners have advanced plans to produce low-sulfur bunker fuels as the IMO's deadline draws near, but analysts say high costs pose the biggest challenge and therefore production needs to be incentivized for more refiners in the region to join the bandwagon.

"2019 is a year for dry cargo owners to prepare their vessels in view of landmark changes in shipping". *International Association of Dry Cargo Shipowners (INTERCARGO)*. 5 March 2019. Available from: https://www.intercargo.org/wp-content/uploads/2019/03/INTERCARGO-MEDIA-RELEASE_05_03_2019-1.pdf INTERCARGO held its Executive and Technical Committee meetings in Hong Kong on 4 and 5 March 2019, along with the Dinner Reception on the first day for Members and Guests.

Living Green: Polluting tankers a dirty big secret. **By Melissa Chaun.** *Burnaby Now (Canada)*. 5 March 2019. Available from: <https://www.burnabynow.com/living-green-polluting-tankers-a-dirty-big-secret-1.23653386> A staggering 60,000 vessels constantly sail the world's shipping lanes, lighting up our watery planet like a live circuit board.

In conversation with British economist Martin Stopford. **By Laura Quinton.** *Wärtsilä Corporation*. 5 March 2019. Available from: <https://www.wartsila.com/twentyfour7/people/in-conversation-with-british-economist-martin-stopford> As the non-executive President of Clarkson Research Services, British economist Martin Stopford's interest in the future of shipping is obvious.

IMO 2020 - Majority of smaller bunkering ports won't have compliant fuel. **By Marcus Hand.** *Seatrade Maritime News*. 6 March 2019. Available from: <https://bit.ly/2TY7S4U> Despite assurances from fuel suppliers over the availability of compliant fuel to meet IMO 2020 from 1 January next year, industry executives warn that logistics will be a mess and the majority of smaller bunkering ports will not have low sulphur fuel.

The maritime world needs more women. **By Ambassador Carlos Salinas.** *Manila Times*. 6 March 2019. Available from: <https://www.manilatimes.net/the-maritime-world-needs-more-women/521182/> Greetings to all women on International Women's Day!

Pledge for inclusion of women in the industry. *Women's International Shipping & Trading Association (WISTA)*. 6 March 2019. Available from: <https://wistainternational.com/news/pledge-for-inclusion-of-women-in-the-industry/> The Women's International Shipping & Trading Association is proud to launch its inclusion pledge.

Viewpoint: Facing green consequences. **By Michael Grey.** *Lloyd's List*. 7 March 2019. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1126465/Viewpoint-Facing-green-consequences> The saying goes that there is no such thing as a free lunch, so in the feverish efforts to de-carbonise the world and make the air we breathe cleaner, there is no such thing as a quick fix.

Women in maritime. *Australian Maritime Safety Authority (AMSA)*. 8 March 2019. Available from: <https://www.amsa.gov.au/news-community/news-and-media-releases/women-maritime> Women have made significant contributions to the maritime industry even though only representing two percent of the world's documented 1.2 million seafarers.

Clean Shipping Alliance hits 35 members. **By Trine Vestergaard.** *ShippingWatch*. 8 March 2019. Available from: <https://shippingwatch.com/secure/carriers/article11240227.ece> A total of 35 members have joined Clean Shipping Alliance after Wallenius Wilhelmsen entered the scrubber advocacy group now counting 2,500 ships.

Women's year in shipping 2019 makes a big splash right from the beginning. *All About Shipping*. 8 March 2019. Available from: <http://www.allaboutshipping.co.uk/2019/03/08/womens-year-in-shipping-2019-makes-a-big-splash-right-from-the-beginning/> You all know that I owe everything in shipping to women; they all acted and continue to act as a lifebuoy every single day of my life.

European shipowners present priorities for EU shipping policy for the next five years. *European Community Shipowners' Associations (ECSA)*. 8 March 2019. Available from: <https://www.ecsa.eu/news/european-shipowners-present-priorities-eu-shipping-policy-next-five-years> The European Community Shipowners' Associations (ECSA) has unveiled its strategic priorities for EU shipping policy, which will guide the association's activities vis-à-vis International and European regulators for the next five years.

Driving up standards in ship-to-shore connectivity. **By Jamey Bergman.** *LNG World Shipping*. 8 March 2019. Available from: https://www.lngworldshipping.com/news/view.driving-up-standards-in-shiptoshore-connectivity_57130.htm Trelleborg technical sales manager Steve Ward explains the importance of standardisation in the large-scale STS link sector.

Honouring Women in the Fisheries Industry. *Government of Seychelles*. 8 March 2019. Available from: http://www.statehouse.gov.sc/news.php?news_id=4342 On the occasion of International Women's Day, the President of the Republic, Mr Danny Faure, welcomed a group of women from the fisheries industry at State House this morning.

Sea change is coming to shipping that could roil the industry. *Bloomberg*. 8 March 2019. Available from: <https://www.bloomberg.com/news/videos/2019-03-07/sea-change-is-coming-to-shipping-that-could-roil-the-industry-video> 📺 IMO says shipowners in violation of the new rules to reduce toxic emissions from vessels can't simply pay the fine for non-adherence and continue using non-compliant high-sulfur fuel oil.

The Lloyd's List Podcast: Consolidation, costs and how to capitalise on shipping's talent.

Lloyd's List. 8 March 2019. Available from:

<https://lloydslist.maritimeintelligence.informa.com/LL1126534/The-Lloyds-List-Podcast-Consolidation-costs-and-how-to-capitalise-on-shippings-talent> It has been another busy week for the Lloyd's List team, jetting between the big box conflagration on the US west coast, in an out of finance meetings in Shanghai and a hectic schedule of interviews and research into the impact of digital tech on the too often overlooked human element of our industry.

Staying ahead of the game: How to create a competitive maritime industry. By Joseph Keefe.

Maritime Logistics Professional. 8 March 2019. Available from:

<https://www.maritimeprofessional.com/blogs/post/staying-ahead-of-the-game-how-to-create-a-competitive-maritime-15358> On Tuesday, March 5, the Danish Embassy in Washington, D.C. organized a panel debate which was entitled, "Staying ahead of the game: How to create a competitive maritime industry."

Toxic fumes from ships linked to thousands of UK deaths. By Josh Gabbatiss.

The Independent. 11 March 2019. Available from: <https://www.independent.co.uk/environment/ship-air-pollution-deaths-uk-asthma-heart-lung-disease-a8812486.html> The UK is one of the most vulnerable nations to the toxic fumes spewed out by ships, according to a new study.

Baltic comes under attack with claims indices are being kept low to suit charterers.

By Sam Chambers. *Splash 247.com*. 11 March 2019. Available from:

<https://splash247.com/baltic-comes-under-attack-with-claims-indices-are-being-kept-low-to-suit-charterers/> Shipping's Twittersphere erupted over the weekend with the launch of a new account, @ActionBaltic, which has made a number of claims that London's Baltic Exchange is rigged and needs urgent change.

BP introducing new MARPOL-compliant marine fuel. BP.

11 March 2019. Available from: <https://www.bp.com/en/global/corporate/news-and-insights/press-releases/bp-introducing-new-marpol-compliant-marine-fuel.html> BP Marine has announced that it will begin to retail low sulphur fuel that meets new MARPOL regulations limiting the sulphur content of marine fuels.

Carnival fuels confusion over its Arctic bunkers. By Michael Juliano. TradeWinds.

11 March 2019. Available from:

<https://www.tradewindsnews.com/passengerships/1716646/carnival-fuels-confusion-over-its-arctic-bunkers> Carnival Corp has given conflicting information on what kind of fuel its ships burn in the Arctic.

CMA CGM Containership to test sustainable marine biofuel. World Maritime News.

12 March 2019. Available from: <https://worldmaritimeweb.com/archives/272953/cma-cgm-containership-to-test-sustainable-marine-biofuel/> French container shipping company CMA CGM and Dutch Port of Rotterdam have joined forces with IKEA Transport & Logistics Services and the GoodShipping Program to test and scale the use of sustainable marine biofuel oil.

Time to encourage women in maritime. By Maclean Kwofi. Graphic Online (Ghana).

12 March 2019. Available from: <https://www.graphic.com.gh/business/business-news/time-to-encourage-women-in-maritime.html> Last Friday, Ghana joined the rest of the world to mark another International Women's Day, the day set aside to celebrate the economic, political, social and cultural achievements of women across the globe and a call-to-action to progression of gender parity all over the world.

Gender gap in maritime sector 'serious'. By Genivi Factao. Manila Times.

13 March 2019. Available from: <https://www.manilatimes.net/gender-gap-in-maritime-sector-serious/524661/> There is a need to push policy makers and stakeholders to double their efforts in accelerating gender equality in the seafaring industry to develop more prospects and economic gains.

Hapag-Lloyd Cruises: Expedition fleet to cruise in future without heavy oil. *Hapag-Lloyd Cruises*. 13 March 2019. Available from: <https://www.hl-cruises.com/press/press-releases/detail/hapag-lloyd-cruises-expedition-fleet-to-cruise-in-future-without-heavy-oil>

Together with the introduction of new expedition cruise catalogues for the 2020-2021 season, Hapag-Lloyd Cruises has also announced that low-pollutant marine gas oil (MGO) will be used exclusively on all routes sailed by its expedition ships in the fleet - the HANSEATIC nature, the HANSEATIC inspiration and the BREMEN from July 2020.

Feature: Asian traders stockpiling low sulfur fuels ahead of IMO 2020 shift. By Atsuko Kawasaki, Sameer C. Mohindru, Clarice Chiam, and Vickey Du. *S&P Global Platts*.

13 March 2019. Available from: <https://bit.ly/2FTGH6A> Singapore-based companies have started preparing to supply marine fuel with maximum 0.5% sulfur by taking VLCCs as floating storage.

MUA warns Senate Inquiry shipping industry in crisis; outlines action plan to deliver economic, environmental and security benefits. *Maritime Union of Australia*. 13 March 2019.

Available from: <https://bit.ly/2lghalm> Australia's shipping industry is in crisis, putting the nation's economic, environmental, and national security at risk, but urgent government reform could address the issues and deliver a multi-billion dollar benefit to the economy, according to the Maritime Union of Australia.

This is why shipping companies support the "sulfur exception". By Tomas Kristiansen.

ShippingWatch. 15 March 2019. Available from:

<https://shippingwatch.com/secure/carriers/article11254744.ece> When there was mention of allowing ships without scrubbers to carry traditional fuel oil on board, shipping companies objected.

Ocean Opportunity Lab: The world's first floating entrepreneur hub. *Splash 247.com*.

18 March 2019. Available from: <https://splash247.com/ocean-opportunity-lab-the-worlds-first-floating-entrepreneur-hub/> Birgit Liodden, who previously headed up Nor-Shipping before being appointed director at startup supporter Oslo Business Region, is set to become chair of the board looking after new acquisition, *Bjørnvika*, a passenger ship that is being transformed to house startups for a new venture, the Ocean Opportunity Lab.

Drewry: Sulphur cap to trigger slow steaming, transshipment. *World Maritime News*.

18 March 2019. Available from: <https://worldmaritimeneeds.com/archives/273341/> The shipping industry could see more slow steaming and transshipment being triggered as part of the IMO 2020 sulphur rule, according to shipping consultancy Drewry.

Shippers far from agree on support for added sulfur charge. By Tomas Kristiansen and Christian Carlsen. *ShippingWatch*. 18 March 2019. Available from:

<https://shippingwatch.com/secure/carriers/Container/article11259531.ece> Several of the world's largest shipping lines, such as Hapag-Lloyd and Maersk, say that customers seem to accept the extra cost of low-sulfur fuel oil.

Shipping2030: transforming shipping through digitalisation. By Iain Gomersall. *Knect365*

Maritime. 18 March 2019. Available from: <https://knect365.com/shipping/article/85aecf0a-b236-4826-9f5d-ad72ac5b2f99/shipping2030-transforming-shipping-through-digitalisation> With a large variety of technologies, trends, business strategies and operational processes transforming shipping through digitalisation, it is important to think big, start small but scale fast.

Stena Bulk to install Exhaust Gas Scrubbers on 16 tankers. *Stena Bulk*. 18 March 2019.

Available from: <https://www.stenabulk.com/press-and-news/press-releases/stena-bulk-install-exhaust-gas-scrubbers-16-tankers> Stena Bulk has made a major investment in scrubbers and before January 2020 16 units will be installed.

Adopt a ship. *InterManager*. 18 March 2019. Available from: <https://www.intermanager.org/adopt-a-ship/> 📄 Increasing awareness of the international shipping sector, ship operation and the role of the seafarer should hopefully benefit the industry, boost future recruitment and encourage more women into shipping roles.

Panama Canal joins global alliance for Low Carbon Shipping. By Michele Labrut. *Seatrade Maritime News*. 19 March 2019. Available from: <http://www.seatrade-maritime.com/news/americas/panama-canal-joins-global-alliance-for-low-carbon-shipping.html> Panama Canal administrator Jorge Quijano announced on Monday that the Panama Canal Authority (ACP) had joined the IMO-supported Global Industry Alliance to Support Low Carbon Shipping (GIA).

Tough conditions created a wave of digital innovation in shipping. By Simon Valeur. *ShippingWatch*. 19 March 2019. Available from: <https://shippingwatch.com/secure/suppliers/article11261299.ece> Startups are popping up everywhere in the shipping industry, which has to be innovate and digital like never before.

World Shipping Council renews block exemption campaign. By Sam Chambers. *Splash 247.com*. 19 March 2019. Available from: <https://splash247.com/world-shipping-council-renews-block-exemption-campaign/> With liners feeling the pressure lobby group World Shipping Council yesterday submitted additional information to the European Commission which is deliberating whether to extend the consortia block exemption regulation (BER).

Carbon pricing options for international maritime emissions. *NewClimate Institute (Germany)*. 19 March 2019. Available from: <https://newclimate.org/2019/03/19/carbon-pricing-options-for-international-maritime-emissions/> A carbon price can play an important role in steering the international maritime sector towards decarbonisation – a task that is both feasible and necessary to reach global objectives to limit climate change to 1.5°C. [New Climate MBM for Maritime Emissions](#) 📄

Boxships are major contributor to GHG emissions. By Nigel Lowry. *Lloyd's List*. 19 March 2019. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1126694/Boxships-are-major-contributor-to-GHG-emissions> A third of all greenhouse gas emissions linked to shipping engaged in oceangoing cargo trades are the result of just 2,000 vessels — all of them containerships, according to a new academic study.

Shipping registry challenged. *Vanuatu Daily Post*. 19 March 2019. Available from: http://dailypost.vu/news/shipping-registry-challenged/article_5809af73-8687-54da-9465-22ffc8a870cc.html The Minister of Infrastructure and Public Utilities has summoned a company on behalf of the Prime Minister, after receiving information that the company is allegedly illegally registering international vessels online.

Video Interview: Joe Hughes of the American P&I Club on insurance markets, IMO 2020, and the International Group. *Seatrade Maritime News*. 19 March 2019. Available from: <http://www.seatrade-maritime.com/news/americas/video-interview-joe-hughes-of-the-american-p-i-club-on-insurance-markets-imo-2020-and-the-international-group.html> 📄 Watch the interview with Joe Hughes, chairman and chief executive of Shipowners' Claims Bureau Inc, management company of the New York-based American P&I Club, carried out at their results presentation in London.

Container shipping in Europe: Data for the evaluation of the EU Consortia Block Exemption Regulation. *International Transport Forum*. 19 March 2019. Available from: <https://www.itf-oecd.org/container-shipping-europe-data-evaluation-eu-consortia-block-exemption-regulation> This report reviews the development of container shipping over the last decade, in particular with regards to container trades to and from Europe. [Report](#) 📄

New OECD report casts doubts on liner companies block exemption. By Christian Carlsen.

ShippingWatch. 20 March 2019. Available from: <https://shippingwatch.com/secure/carriers/Container/article11265325.ece> Only a few of the liner sector's consortia cooperation on trade routes to and from Europe are small enough to benefit from the unique consortia block exemption that otherwise applies in the EU, concludes the International Transport Forum, ITF, in a new report.

ICS updates Flag State Performance Table. International Chamber of Shipping (ICS).

20 March 2019. Available from: <http://www.ics-shipping.org/news/press-releases/2019/03/20/ics-updates-flag-state-performance-table> The International Chamber of Shipping (ICS) has published the latest update of its Flag State Performance Table, which can be downloaded free of charge via the ICS website. [Flag State Performance Table 2018/2019](#)

Shipping must act on Greta's call for urgency over climate change. By Terry Macalister.

TradeWinds. 20 March 2019. Available from: <https://www.tradewindsnews.com/weekly/1733288/shipping-must-act-on-gretas-call-for-urgency-over-climate-change> School pupils were on strike in London at the end of last week angry about perceived inaction by politicians on climate change.

Japanese refiners will be ready to supply IMO-compliant bunker fuel by Oct-Nov: PAJ chief.

By Takeo Kumagai. *S&P Global Platts*. 20 March 2019. Available from: <https://www.spglobal.com/platts/en/market-insights/latest-news/oil/032019-japanese-refiners-will-be-ready-to-supply-imo-compliant-bunker-fuel-by-oct-nov-paj-chief> Japanese refiners by October-November will be able to supply bunker fuel that complies with International Maritime Organization regulations that take effect from January, Petroleum Association of Japan President Takashi Tsukioka said Wednesday.

Boxship 'troublemakers' are worst carbon culprits, says Greek study. By Harry Papachristou.

TradeWinds. 21 March 2019. Available from: <https://www.tradewindsnews.com/legal/1732086/boxship-troublemakers-are-worst-carbon-culprits-says-greek-study> Containerships are the main culprits for maritime carbon emissions, a group of Greek academics argues.

Maersk to test biofuel on ultra-large container ship. By Niklas Krigslund. *ShippingWatch*.

22 March 2019. Available from: <https://shippingwatch.com/secure/carriers/Container/article11269896.ece> The project is part of the shipping company's target of zero net emissions in 2050, carried out in collaboration with major companies such as Shell, Heineken and Unilever.

Port of Antwerp brings different players together to produce sustainable methanol. *Port of Antwerp*.

22 March 2019. Available from: <https://www.portofantwerp.com/en/news/port-antwerp-brings-different-players-together-produce-sustainable-methanol> Pilot project aims for 4,000 to 8,000 tonnes of sustainable methanol per year.

INSIGHT: Fuel testing considerations for IMO2020. By Steve Bee. *Ship & Bunker*.

22 March 2019. Available from: <https://shipandbunker.com/news/world/424442-insight-fuel-testing-considerations-for-imo2020> As IMO2020 draws ever closer, it is widely anticipated throughout the shipping industry that due to the increased range of new fuel types, cutter stocks and additives, coming to the market during 2019 and beyond, the demand for laboratory testing will inevitably increase.

Interview: Locking in HSFO supplies is key for scrubber-fitted fleet post 2020 - consultant.

By Surabhi Sahu. *S&P Global Platts*. 22 March 2019. Available from:

<https://www.spglobal.com/platts/en/market-insights/latest-news/shipping/032219-interview-locking-in-hsfo-supplies-is-key-for-scrubber-fitted-fleet-post-2020-consultant>

Shipowners with scrubber-equipped vessels will need to lock in long-term HSFO supplies, and hedge if needed, amid concerns about consistent availability and quality when the International Maritime Organization's global sulfur limit rule for marine fuels kicks in from 2020, Adrian Tolson, a bunker industry veteran and senior partner at 2020 Marine Energy, said Wednesday.

Dutch Sustainable Growth Coalition partners with Maersk in world's largest maritime biofuel pilot. *Maersk*. 22 March 2019. Available from: <https://www.maersk.com/news/2019/03/22/dutch-sustainable-growth-coalition-partners-with-maersk-in-world-s-largest-maritime-biofuel-pilot>

Convinced of the urgency to act on climate, a group of Dutch multinationals - FrieslandCampina, Heineken, Philips, DSM, Shell and Unilever - all members of the Dutch Sustainable Growth Coalition (DSGC), will join forces with A.P. Moller - Maersk to take a tangible step towards the decarbonization of ocean shipping.

Norway considers expanding scrubber ban. By Niklas Krigslund. *ShippingWatch*.

22 March 2019. Available from: <https://shippingwatch.com/secure/suppliers/article11270633.ece>

The ban on open-loop scrubbers in Norway could be expanded to more than the five fjords where it is currently prohibited to eject wash water, reports Lloyd's List.

Powering cruise ships with dead fish. By Frances Marcellin. *Ship-Technology.com*.

22 March 2019. Available from: <https://www.ship-technology.com/features/powering-cruise-ships-with-dead-fish/>

Dead fish and other organic waste will soon be used to power Hurtigruten's fleet of green cruise ships in a world-first effort to increase its sustainability efforts.

Live Animal Export: Can farmers find an alternative in only 40 weeks? By Lynn Simpson.

Splash 247.com. 25 March 2019. Available from: <https://splash247.com/live-animal-export-can-farmers-find-an-alternative-in-only-40-weeks/>

Livestock carriers have the oldest age profile in deepsea shipping.

Examining Ship Engine Failures on Stormy Seas. By Harry Valentine. *Maritime Executive*.

25 March 2019. Available from: <https://www.maritime-executive.com/editorials/examining-ship-engine-failures-on-stormy-seas>

When the *Viking Sky* encountered difficulty and an engine shut down in the storm off the Norwegian coast on Saturday, the freight ship that sailed to its assistance through identical wave conditions also experienced an engine shutdown, raising the possibility of common factors having caused engines to shut down aboard both ships.

Gard's Louis Shepherd: P&I is evolving ahead of IMO 2020. By Louis Shepherd. *TradeWinds*.

25 March 2019. Available from: <https://www.tradewindsnews.com/weekly/1735118/gards-louis-shepherd-pandi-is-evolving-ahead-of-imo-2020>

P&I clubs are being challenged on how to strike a balance between infringements that are accidental and those that should have been avoided, says Gard senior claims advisor.

United Nations praises InterManager's schools project. *InterManager*. 25 March 2019.

Available from: <https://www.intermanager.org/2019/03/united-nations-praises-intermanagers-schools-project/>

A pioneering project to involve schoolchildren in the shipping industry has been praised by the United Nations as a good example of how to educate young people about ocean life.

Maersk's climate strategy excludes oil and LNG. By Søren Pico. *ShippingWatch*.

26 March 2019. Available from:

<https://shippingwatch.com/secure/carriers/Container/article11277570.ece> With its 2050 climate plan, Maersk excludes the use of both oil and LNG as fuel.

Steps for Cyprus shipping to stay competitive. *Hellenic Shipping News*. 26 March 2019. Available from: <https://www.hellenicshippingnews.com/steps-for-cyprus-shipping-to-stay-competitive/> Four are the steps the Deputy Ministry of Shipping pushes forward in a bid to ensure Cyprus' competitiveness.

Live Export: Following the paper trail. By Wendy Laursen. *Maritime Executive*. 26 March 2019. Available from: <https://www.maritime-executive.com/article/live-export-following-the-paper-trail> When thousands of sheep died of heat stress on the *Awassi Express*, there was no public outcry, no public apology and no shocked politicians.

Shippers need to accept IMO2020 bunker surcharges start now. *Ship & Bunker*. 26 March 2019. Available from: <https://shipandbunker.com/news/world/214035-shippers-need-to-accept-imo2020-bunker-surcharges-start-now> Shippers have already been airing their grievances with carriers' IMO2020 bunker surcharge plans, but they need to accept they will have to start paying them now and not just from January 1, 2020 when the new global sulfur cap comes into force.

Shipping industry is going green: Interview with Edmund Hughes. *Dubai Eye Radio (UAE)*. 27 March 2019. Available from: <https://omny.fm/shows/businessbreakfast/playlists/podcast/embed> We find out why the shipping industry is going green – well, green-er – by cutting sulphur in fuel.

European carriers disagree on how to measure CO2 emissions. By Tomas Kristiansen. *ShippingWatch*. 27 March 2019. Available from: <https://shippingwatch.com/secure/carriers/article11281767.ece> Now, it is up to the EU and ultimately the new European Parliament to decide what to do.

Clarksons: markets "recalibrating" ahead of IMO 2020. By Gary Dixon. *TradeWinds*. 27 March 2019. Available from: <https://www.tradewindsnews.com/finance/1740202/clarksons-markets-recalibrating-ahead-of-imo-2020> Clarksons Research has unearthed signs of further "market recalibration" ahead of IMO 2020 next year.

Green revolution for the world's shipping fleet comes not a moment too soon. By David Dodwell. *South China Morning Post*. 29 March 2019. Available from: <https://www.scmp.com/comment/insight-opinion/article/3003785/future-shipping-should-include-used-cooking-oil-and-cleaner> Out of sight, out of mind, out on the open oceans, the world's shipping fleet is bracing for an environmental revolution.

How the global economy will shape shipping this year. By Dagfinn Lunde. *Splash 247.com*. 29 March 2019. Available from: <https://splash247.com/how-the-global-economy-will-shape-shipping-this-year/> Uncertainty will reduce growth for the global economy and by extension for most shipping sectors.

Whales and sharks must be protected from global shipping. By Vanessa Pirotta. *Australasian Science*. March 2019. Available from: www.australasianscience.com.au/article/issue-marchapril-2019/whales-and-sharks-must-be-protected-global-shipping.html More than 80% of the world's merchandise is transported by sea, but this comes at a cost to marine wildlife.

RESEARCH

Impacts of historical warming on marine fisheries production. By C. M. Free, J. T. Thorson et al. *Science*. (2019). Available from: <http://science.sciencemag.org/content/363/6430/979.abstract>
Fisheries provide food and support livelihoods across the world.

Ecological connectivity between the areas beyond national jurisdiction and coastal waters: Safeguarding interests of coastal communities in developing countries. By E. Popova, D. Vousden et al. *Marine Policy*. (2019). Available from: <http://www.sciencedirect.com/science/article/pii/S0308597X19300764> The UN General Assembly has made a unanimous decision to start negotiations to establish an international, legally-binding instrument for the conservation and sustainable use of marine biological diversity within Areas Beyond National Jurisdiction (ABNJ).

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About the cover

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