

INTERNATIONAL MARITIME ORGANIZATION

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

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maritimeknowledgecentre@imo.org



About the MKC Current Awareness Bulletin (CAB)

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

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

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Table of Contents

| | |
|-------------------------------------|----|
| IMO NEWS & EVENTS | 2 |
| UNITED NATIONS | 3 |
| CASUALTIES..... | 4 |
| ENVIRONMENT | 6 |
| ENVIRONMENTAL POLLUTION | 8 |
| HEALTH & SAFETY | 9 |
| IMO | 9 |
| LAW & POLICY..... | 19 |
| MARINE TECHNOLOGY..... | 21 |
| MARITIME EDUCATION & TRAINING | 22 |
| MARITIME SAFETY | 23 |
| MARITIME SECURITY | 24 |
| MIGRANTS | 25 |
| NAVIGATION & COMMUNICATIONS..... | 26 |
| PIRACY..... | 28 |
| PORT STATE CONTROL..... | 29 |
| PORTS & HARBOURS..... | 30 |
| REGULATIONS | 32 |
| SALVAGE | 34 |
| SEAFARERS | 35 |
| SEARCH & RESCUE | 36 |
| SHIP RECYCLING | 37 |
| SHIPBUILDING & SHIPREPAIR | 38 |
| SHIPPING..... | 38 |
| RESEARCH..... | 49 |

IMO NEWS & EVENTS

UN body adopts climate change strategy for shipping

Nations meeting at the United Nations International Maritime Organization (IMO) in London have adopted an initial strategy on the reduction of greenhouse gas emissions from ships, setting out a vision to reduce GHG emissions from international shipping and phase them out, as soon as possible in this century.

The vision confirms IMO's commitment to reducing GHG emissions from international shipping and, as a matter of urgency, to phasing them out as soon as possible.

More specifically, under the identified "levels of ambition", the initial strategy envisages for the first time a reduction in total GHG emissions from international shipping which, it says, should peak as soon as possible and to reduce the total annual GHG emissions by at least 50% by 2050 compared to 2008, while, at the same time, pursuing efforts towards phasing them out entirely.

The strategy includes a specific reference to "a pathway of CO2 emissions reduction consistent with the Paris Agreement temperature goals". [Full Story](#)

Secretary-General's Remarks

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

[Marine Environment Protection Committee \(MEPC\)](#)
72nd session, 9 - 13 April 2018 [Opening](#) and [Closing](#) Remarks

IMO MEETINGS FOR 2018

[Legal Committee 105th session](#) 23 - 25 April 2018

RECENT SPEECHES BY IMO SECRETARY-GENERAL KITACK LIM

Legal Committee 105th session, 23 - 25 April 2018 [Opening](#) Address

IMO PRESS BRIEFINGS

[Compensation regime for Hazardous and Noxious Cargoes a step closer](#)
Briefing: 07, April 23, 2018

[IMO NEWS MAGAZINE](#) [\(Spring 2018\)](#) [IMO PUBLISHING](#) [Just Published: 2018](#)

UNITED NATIONS

Security Council 1718 Sanctions Committee adds 22 entries to its sanctions list, designates 27 vessels. *United Nations*. 30 March 2018. Available from:

<https://www.un.org/press/en/2018/sc13272.doc.htm> On 30 March 2018, the Security Council Committee established pursuant to resolutions 1718 (2006) approved the addition of the entries specified below to its 1718 Sanctions List of individuals and entities subject to the measures imposed by paragraphs 8(d) and 8(e) of Security Council resolution 1718 (2006) adopted under Chapter VII of the Charter of the United Nations.

Climate chaos to continue in 2018, UN chief warns; Will the world rise to challenge? *UN News*. 29 March 2018. Available from: <https://news.un.org/en/story/2018/03/1006271> "Scientists are now worried that unless accelerated action is taken by 2020, the Paris goal may become unattainable," the UN chief told reporters at the world body's New York Headquarters.

At Asian forum, UN chief calls for more equitable globalization, urgent action on climate change. *UN News*. 10 April 2018. Available from: <https://news.un.org/en/story/2018/04/1006951> "I am deeply convinced that globalization is irreversible," UN Secretary-General António Guterres told an Asian forum that brought political, business and civil society leaders together in the southern Chinese town of Boao.

Despite drop in numbers, desperate migrants to Europe face greater perils, UN refugee agency reports. *UN News*. 11 April 2018. Available from: <https://news.un.org/en/story/2018/04/1007031> The number of people crossing the Mediterranean Sea to reach Italy from Libya, for example, decreased by 74 per cent in the first three months of 2018 compared to the same period last year.

UN-backed programme logs record high cocaine seizures at seaports in Latin America and the Caribbean. *UN News*. 25 April 2018. Available from: <https://news.un.org/en/story/2018/04/1008272> The joint customs and police Port Control Units, work at some of the world's busiest ports and are trained to combat smuggling of drugs, precursor chemicals, as well as merchandise breaching intellectual property rights and protected wildlife.

CASUALTIES

Almost half of required casualty reports under IMO code not being submitted. *Lloyd's List*.

29 March 2018. Available from:

<https://lloydlist.maritimeintelligence.informa.com/LL1122037/Almost-half-of-required-casualty-reports-under-IMO-code-not-being-submitted> Of the 884 very serious maritime casualties recorded in the International Maritime Organization's database over the last five years, reports on only 468 of them are available for public consumption.

Key report still pending one year on from *Stellar Daisy* loss. By Nidaa Bakhsh. *Lloyd's List*.

29 March 2018. Available from:

<https://lloydlist.maritimeintelligence.informa.com/LL1122028/Key-report-still-pending-one-year-on-from-Stellar-Daisy-loss> This weekend marks the first anniversary of the loss of the *Stellar Daisy*.

Diana Shipping crewman lost after fire. By Gary Dixon. *TradeWinds*. 2 April 2018.

Available from: <http://www.tradewindsnews.com/casualties/1463774/diana-shipping-crewman-lost-after-fire> A Diana Shipping seafarer has died after a fire off South Africa.

Balikpapan declares emergency status after oil spill. By N.Adri. *Jakarta Post*. 2 April 2018.

Available from: <http://www.thejakartapost.com/news/2018/04/02/balikpapan-declares-emergency-status-after-oil-spill.html> The Balikpapan administration in East Kalimantan has declared an emergency status in the city following an oil spill on Saturday that triggered a fire on Balikpapan Bay.

Stranded Japanese vessel may become 'wreck'. By Adam Hartman. *The Namibian*.

4 April 2018. Available from: <https://www.namibian.com.na/66086/read/Stranded-Japanese-vessel-may-become-wreck> The *Fukuseki* got stuck on rocks just south of the Ugab River mouth, and about two kilometres from shore on 22 March.

Cargo owners still waiting for news of *Maersk Honam* containers. By Mike Wackett.

The Loadstar. 6 April 2018. Available from: <https://theloadstar.co.uk/cargo-owners-still-waiting-news-maersk-honam-containers/> A month after the blaze that claimed the lives of five seafarers on the 15,262 teu *Maersk Honam*, cargo owners still have no idea when they will receive their containers.

Massive tanker crashes into mansion on Istanbul's Bosphorus. *Aljazeera*. 8 April 2018.

Available from: <https://www.aljazeera.com/news/2018/04/massive-tanker-crashes-mansion-istanbul-bosphorus-180408072252374.html> 📺 A massive tanker has crashed into an historic mansion on the shores of Istanbul's Bosphorus Strait after its steering equipment became locked.

Crewman injured in tanker blast. By Gary Dixon. *TradeWinds*. 9 April 2018. Available from:

<http://www.tradewindsnews.com/casualties/1468115/crewman-injured-in-tanker-blast> A seafarer has been injured in an explosion on a Korean tanker in Japan.

Video: Cruise ship *MSC Armonia* strikes pier in Roatan. *Maritime Executive*. 10 April 2018.

Available from: <https://www.maritime-executive.com/article/video-cruise-ship-msc-armonia-strikes-pier-in-roatan> 📺 On Tuesday morning, the cruise ship *MSC Armonia* struck a dock at the port of Roatan, Honduras, and appears to have briefly gone aground on a beach.

Watch: The impact of lost containers at the environment. *Safety4Sea*. 11 April 2018. Available from:

<https://safety4sea.com/watch-the-impact-of-lost-containers-at-the-environment/> 📺 In a recent survey, the World Shipping Council found that 568 containers are lost at sea each year, on average, not counting catastrophic events, and a total of 1,582 containers are lost at sea each year including catastrophic events.

Report: Yard blast kills one, injures nine in Russia. *World Maritime News*. 12 April 2018.

Available from: <https://worldmaritimenews.com/archives/249385/report-yard-blast-kills-one-injures-nine-in-russia> Based on the report, the explosion occurred inside a research ship, which was undergoing repairs at the St. Petersburg-based yard.

Titanic disaster still influences shipping lanes more than 100 years later. By Blair Shiff.

ABC News (US). 14 April 2018. Available from: <http://abcnews.go.com/International/titanic-disaster-influences-shipping-lanes-100-years/story?id=46655603> It was supposed to be unsinkable.

Car carrier crashes into a tug in Durban. *World Maritime News*. 16 April 2018. Available from:

<https://worldmaritimenews.com/archives/249534> No one was injured in the accident, said TNPA spokesperson, Ms. Ayanda Somagaca, as there were no crew members on the tug.

WEB TV: Seafarer missing as research ship burns. By Gary Dixon. *TradeWinds*.

17 April 2018. Available from: <http://www.tradewindsnews.com/casualties/1473132/web-tv-seafarer-missing-as-research-ship-burns> One seafarer was reported missing and another two were injured after a research ship suffered a blast and fire off Malaysia.

Collision between LPG tanker CRYSTAL SUNRISE and tanker ASTRO SATURN.

Maritime and Port Authority of Singapore (MPA). 17 April 2018. Available from:

<https://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/792a5e0b-0e73-478c-8395-2706c024df33> At about 2.30am on 17 April 2018, the MPA received a report from Singapore-registered LPG tanker, CRYSTAL SUNRISE that she had collided with a westbound Greece-registered tanker, ASTRO SATURN.

Crew member injured in Finlandia Seaways engine room fire. *World Maritime News*.

17 April 2018. Available from: <https://worldmaritimenews.com/archives/249720> One crew member, who was in the engine room at the time of the incident, was injured and has been airlifted to a hospital in the UK for treatment.

One missing in offshore vessel fire off Sarawak. *Maritime Executive*. 17 April 2018.

Available from: <https://www.maritime-executive.com/article/one-missing-in-offshore-vessel-fire-off-sarawak> At 0300 hours Tuesday morning, a fire broke out on the survey vessel Geos off Kuala Baram, Sarawak.

Hot spots still to be extinguished on burnt Maersk Honam. By Sam Chambers.

Splash 247.Com. 17 April 2018. Available from: <https://splash247.com/hotspots-still-extinguished-burnt-maersk-honam/> Officials from Maersk Line tell Splash the fire ravaged 15,000 teu *Maersk Honam* will dock at Jebel Ali in Dubai in the coming days.

One dead in fire aboard research vessel MV Geos. *World Maritime News*. 18 April 2018.

Available from: <https://worldmaritimenews.com/archives/249810/one-dead-in-fire-aboard-research-vessel-mv-geos/> The worker was reported missing following the incident, which occurred some 10 km off the coast of Baram.

Learn from the past: Deepwater Horizon oil spill. *Safety4Sea*. 18 April 2018.

Available from: <https://safety4sea.com/cm-learn-from-the-past-deepwater-horizon-oil-spill/>

On 20 April 2010, at about 21.50, hydrocarbons rising up from BP's Macondo well ignited and caused an explosion on the mobile offshore drilling unit 'Deepwater Horizon', owned by Transocean, leased to BP, and located within US exclusive economic zone.

Body found inside fire-hit ship. By Gary Dixon. *TradeWinds*. 19 April 2018. Available from:

<http://www.tradewindsnews.com/casualties/1475415/body-found-inside-fire-hit-ship> The body of a seafarer missing following a fire on a research ship off Malaysia has been found inside the vessel.

Crew die from coal gas leak. By Sam Chambers. *Splash 247.Com.* 23 April 2018.

Available from: <https://splash247.com/crew-die-coal-gas-leak/> Two Chinese crew onboard to bulk carrier *Feng Hui Hai* died on Sunday and another is in a critical condition at a hospital in India after inhaling toxic gas from a cargo of coal.


Maersk Honam reaches anchorage outside Jebel Ali Port. *Maersk.* 23 April 2018.

Available from: <https://www.maerskline.com/news/2018/04/23/maersk-honam-reaches-anchorage-outside-jebel-ali-port> The Maersk liner vessel *Maersk Honam*, which was hit by a serious fire on 6 March, will reach anchorage outside the Jebel Ali Port (UAE) on 24 April 2018.

Fire damage to ship causes closure of Zeebrugge - Rosyth freight route. *DFDS Group.*

23 April 2018. Available from: <https://www.dfds.com/en-gb/about/media/news/fire-damage-to-ship-causes-closure-of-zeebrugge-rosyth-freight-route> An injured crew member was airlifted to hospital, where he is being treated for injuries caused by smoke inhalation.

Accident Investigation Report 7/2018: Collision between bulk carrier *Huayang Endeavour* and oil tanker *Seafreighter*. *UK Marine Accident Investigation Branch (MAIB).* 25 April 2018. Available

from: <https://www.gov.uk/maib-reports/collision-between-bulk-carrier-huayang-endeavour-and-oil-tanker-seafreighter> At 0304:40 on 1 July 2017, two Hong Kong registered vessels, the bulk carrier *Huayang Endeavour* and the oil tanker *Seafreighter*, collided in the Dover Strait approximately 5 nautical miles to the west of Sandettie Bank. [Report](#) 

Accident Investigation Report 8/2018: Groundings made by bulk carrier *Ocean Prefect*.

UK Marine Accident Investigation Branch (MAIB). 26 April 2018. Available from:

<https://www.gov.uk/maib-reports/groundings-made-by-bulk-carrier-ocean-prefect> On 10 June 2017, the UK registered bulk carrier *Ocean Prefect* grounded when approaching Ahmed Bin Rashid Port, in Umm Al Qaywayn, United Arab Emirates. [Report](#) 

ENVIRONMENT

Latin American and Caribbean countries threatened by rising ocean acidity, experts warn.

International Union for Conservation of Nature (IUCN). 3 April 2018. Available from:

<https://www.iucn.org/news/secretariat/201804/latin-american-and-caribbean-countries-threatened-rising-ocean-acidity-experts-warn> Research suggests that rising seawater acidity is already impacting the ability of organisms such as shellfish and corals in the region to build shells and skeletons.

IPCC authors meet to prepare final draft of report on Global Warming of 1.5°C.

Intergovernmental Panel on Climate Change (IPCC). 10 April 2018. Available from:

http://www.ipcc.ch/news_and_events/pr_sr15_lam4.shtml Authors of the Intergovernmental Panel on Climate Change (IPCC) Special Report on Global Warming of 1.5°C are meeting in Botswana this week to prepare the final draft of the report.

Stronger evidence for a weaker Atlantic overturning. *Potsdam Institute for Climate Impact Research (Germany).* 11 April 2018. Available from: <https://www.pik-potsdam.de/news/press-releases/stronger-evidence-for-a-weaker-atlantic-overturning>

"We detected a specific pattern of ocean cooling south of Greenland and unusual warming off the US coast - which is highly characteristic for a slowdown of the Atlantic overturning, also called the Gulf Stream System.

Kenya wins support for Blue Economy summit; Commonwealth leaders huddle at retreat.

Government of Kenya. 20 April 2018. Available from: <http://www.president.go.ke/2018/04/20/kenya-wins-support-for-blue-economy-summit-commonwealth-leaders-huddle-at-retreat/>

Commonwealth leaders huddled at a retreat at a royal residence in the English county of Berkshire on Friday, to flesh out an implementation plan for their agreement on deepening trade in their 53-member organisation, improving security, tackling climate change, and a concerted effort to work together.

Sustainable seas inquiry launched. *UK Parliament.* 23 April 2018. Available from: <https://www.parliament.uk/business/committees/committees-a-z/commons-select/environmental-audit-committee/news-parliament-2017/sustainable-seas-inquiry-launch-17-19/> Mary Creagh MP, Chair of the Environmental Audit Committee, said: "We have only one ocean, and we all have a duty to care for it."

One of the most worrisome predictions about climate change may be coming true. **By Chris Mooney.** *Washington Post.* 23 April 2018. Available from: <https://www.washingtonpost.com/news/energy-environment/wp/2018/04/23/one-of-the-most-worrisome-predictions-about-climate-change-may-be-coming-true/> Two years ago, former NASA climate scientist James Hansen and a number of colleagues laid out a dire scenario in which gigantic pulses of fresh water from melting glaciers could upend the circulation of the oceans, leading to a world of fast-rising seas and even superstorms.

Transport CO2 and the Paris Climate Agreement. *International Transport Forum.* 23 April 2018. Available from: <https://www.itf-oecd.org/transport-co2-paris-climate-agreement-ndcs> This report assesses the impact of transport commitments made in the Nationally Determined Contributions (NDCs) of the Paris Climate Agreement on national-level transport CO2 emissions. [Transport CO2 and the Paris Climate Agreement: Reviewing the Impact of Nationally Determined Contributions](#) 

Islands comb own shores for solutions to environmental pressures. **By Megan Rowling.** *Reuters.* 26 April 2018. Available from: <https://uk.reuters.com/article/global-islands-environment/feature-islands-comb-own-shores-for-solutions-to-environmental-pressures-idUKL8N1S255U> Island governments around the world are no longer begging for help to tackle the many problems they face - from too many tourists to devastating storms and rising seas - but are finding their own solutions and sharing them, experts say.

Seven EU countries call for stronger climate action in Europe. **By Marion Candau.** *EurActiv.* 26 April 2018. Available from: <https://www.euractiv.com/section/climate-environment/news/seven-eu-countries-call-for-stronger-climate-action-in-europe/> Brune Poirson, the secretary of state to the French minister for ecological transition, and her counterparts from Germany, Sweden, the Netherlands, Finland, Portugal and Luxembourg met in Paris and came to a similar conclusion: we must take more action and we must take it faster.

INTERVIEW-Climate battle will be won or lost in cities, says U.N. climate chief. **By Adela Suliman.** *Reuters.* 26 April 2018. Available from: <http://news.trust.org/item/20180426135359-0uj8q> Cities, which produce about 70 percent of carbon emissions, are driving green reforms and will be key to tackling climate change, the United Nations' climate chief said on Thursday.

Climate action woefully inadequate, U.N. talks leader Fiji says. **By Alister Doyle.** *Reuters.* 27 April 2018. Available from: <https://www.reuters.com/article/us-climatechange-accord/climate-action-woefully-inadequate-un-talks-leader-fiji-says-idUSKBN1HY1P4> Government plans for slowing climate change remain 'woefully inadequate' despite promises of tougher action under the 2015 Paris agreement, according to Fiji, which will preside at United Nations talks in Germany next week.

ENVIRONMENTAL POLLUTION

Who is using heavy fuel oil in the Arctic? *Maritime Executive*. 1 April 2018. Available from: <https://www.maritime-executive.com/article/who-is-using-heavy-fuel-oil-in-the-arctic> Dr. Bryan Comer of the International Council on Clean Transportation (ICCT) has examined the use of heavy fuel oil in the Arctic by flag state and ship type.

25 years of research reveals changing distribution of marine litter. *Centre for Environment Fisheries and Aquaculture Science (Cefas)*. 5 April 2018. Available from: <https://www.cefas.co.uk/news/25-years-of-research-reveals-changing-distribution-of-marine-litter/> 25 years of research from Cefas has revealed changes in the composition of marine plastic litter, finding a decrease in the amount of plastic bags found on the UK's seabed and suggesting that efforts may be able to tackle the marine litter challenge.

Burst undersea pipeline caused oil spill, says Pertamina. By N.Adri. *Jakarta Post*. 4 April 2018. Available from: <http://www.thejakartapost.com/news/2018/04/04/burst-undersea-pipeline-caused-oil-spill-says-pertamina.html> State oil and gas company Pertamina said on Wednesday a burst pipeline -- which it used to transfer crude oil from the Lawe-lawe Terminal in North Penajam Paser regency, East Kalimantan, to an oil refinery facility in Balikpapan -- caused the oil spill that polluted Balikpapan Bay on Saturday.

This Sperm whale was found dead with 64 pounds of trash in its digestive system. By Lee Moran. *Huffington Post UK*. 7 April 2018. Available from: https://www.huffingtonpost.co.uk/entry/dead-sperm-whale-plastic-spain_us_5ac8b736e4b09d0a11942cd4 A young male sperm whale discovered dead off the coast of Spain died from ingesting a huge quantity of trash, authorities revealed this week.

Strait talking on heavy fuel oil in the Arctic. *Splash 247.Com*. 9 April 2018. Available from: <http://splash247.com/strait-talking-heavy-fuel-oil-arctic/> Every year, hundreds of ships carrying heavy fuel oil (HFO) travel through Arctic waters, posing a huge risk to the marine ecosystems and coastal communities in the area.

The fishy problem of underwater noise pollution. By Adam Crane and Maud Ferrari. *The Conversation*. 9 April 2018. Available from: <https://theconversation.com/the-fishy-problem-of-underwater-noise-pollution-91547> When the famous explorer Jacques Cousteau released *The Silent World*, a documentary of his underwater adventures in 1953, he inspired generations of scientists to study the world's oceans.

An oil-eating bacterium that can help clean up pollution and spills. *Science Daily*. 9 April 2018. Available from: <https://www.sciencedaily.com/releases/2018/04/180409144725.htm> Oil spills occur on a regular basis, leading to messy decontamination challenges.

Reality Check: Are ships more polluting than Germany? *BBC News*. 12 April 2018. Available from: <http://www.bbc.co.uk/news/world-43714029> By some estimates, the international shipping industry produces as much carbon dioxide (CO₂) as Germany.

UK Government rallies Commonwealth to unite on marine waste. *UK Government*. 18 April 2018. Available from: <https://www.gov.uk/government/news/uk-government-rallies-commonwealth-to-unite-on-marine-waste> The Government has announced its intention to ban the sale of plastic straws, drink stirrers and plastic-stemmed cotton buds at the start of the Commonwealth Heads of Government Summit.

Single-use plastic has reached the world's deepest ocean trench.

United Nations Environment Programme (UNEP). 20 April 2018. Available from:

<https://www.unenvironment.org/news-and-stories/story/single-use-plastic-has-reached-worlds-deepest-ocean-trench>

A new study has revealed that human activities are affecting the deepest part of the ocean, more than 1,000 kilometers from the mainland.

Sunlight reduces effectiveness of dispersants used in oil spills. *Woods Hole Oceanographic Institution*. 25 April 2018. Available from:

<http://www.whoi.edu/news-release/sunlight-reduces-effectiveness-of-dispersants-used-in-oil-spills>

Two new studies have shown that sunlight transforms oil on the ocean surface more significantly and quickly than previously thought.

AWI researchers measure a record concentration of microplastic in arctic sea ice.

Alfred Wegener Institut (Germany). 24 April 2018. Available from:

<https://www.awi.de/nc/en/about-us/service/press/press-release/awi-researchers-measure-a-record-concentration-of-microplastic-in-arctic-sea-ice.html>

"During our work, we realised that more than half of the microplastic particles trapped in the ice were less than a twentieth of a millimetre wide, which means they could easily be ingested by arctic microorganisms like ciliates, but also by copepods," says AWI biologist and first author Dr Ilka Peeken.

HEALTH & SAFETY

Four areas that regularly feature as the causes of accidents on board ships.

By Malcolm Latache. *ShipInsight*. 11 April 2018. Available from:

<https://shipinsight.com/four-areas-that-regularly-feature-as-the-causes-of-accidents-on-board-ships/>

Sadly, the main cause of seafarer deaths - 15% at the last count - is now said to be suicide.

Fatigue: Can you just get used to it? By Richard Madden. *Maritime Executive*. 14 April 2018.

Available from: <https://www.maritime-executive.com/blog/fatigue-can-you-just-get-used-to-it>

From first responders to students to the transportation industry, it's a badge of honor to pull the all-nighter or push through an extended period with no rest.

NIOSH highlights commercial fishing dangers for workers' Memorial Day.

Occupational Health & Safety. 30 April 2018. Available from:

<https://ohsonline.com/articles/2018/04/30/niosh-highlights-commercial-fishing-falls.aspx>

New research is focused on falls overboard in the commercial fishing industry, which is one of the most dangerous among all U.S. industries.

IMO

Will the IMO deliver the climate deal of 2018? By Ed King. *Medium*. 29 March 2018. Available

from: https://medium.com/@edking_CH/will-the-imo-deliver-the-climate-deal-of-2018-358016c3ccb7

In the coming two weeks 173 states at the IMO will discuss what a greenhouse gas reduction plan for shipping first proposed back in 1997 could look like.

There is nothing wrong with the IMO fee structure. **By Simon Bennett.** *Lloyd's List*.

29 March 2018. Available from:

<https://lloydslist.maritimeintelligence.informa.com/LL1122027/There-is-nothing-wrong-with-the-IMO-fee-structure>

The International Chamber of Shipping enjoys debating with Transport & Environment (T&E) and the Clean Shipping Coalition, who share the same goal as the shipping industry - to help deliver zero CO2 emissions as soon as possible.

And we want the IMO to solve climate change? By Bill Hemmings. *Lloyd's List*.

29 March 2018. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1122036/And-we-want-the-IMO-to-solve-climate-change>

The top six flag states at the IMO have more than 50% of world tonnage, yet account for just 0.5% of global GDP.

IMO lacks corporate governance, report says. By Adam Corbett. *TradeWinds*. 3 April 2018. Available from: <http://www.tradewindsnews.com/casualties/1464313/imo-lacks-corporate-governance-report-says> Transparency International has hit out at a lack of corporate governance at the IMO ahead of a decisive meeting at the London based shipping regulator on setting targets for emissions reduction.

Transparency International lambasts IMO's governance structure. By Sam Chambers. *Splash 247.Com*. 3 April 2018. Available from: <http://splash247.com/transparency-international-lambasts-imos-governance-structure/> Once again the IMO stands accused today on letting private, corporate interests exert too much influence at the London-headquartered UN body.

Competing factions descent on London for highly charged MEPC. By Sam Chambers. *Splash 247.Com*. 2 April 2018. Available from: <http://splash247.com/competing-factions-descend-london-highly-charged-mepc/> So the stage is set for what could be the most acrimonious gathering of the Marine Environment Protection Committee (MEPC) at the headquarters of the International Maritime Organization (IMO) tomorrow.

Governance at the International Maritime Organisation: the case for reform. *Transparency International*. 3 April 2018. Available from: https://www.transparency.org/whatwedo/publication/governance_at_the_IMO_the_case_for_reform The IMO a United Nations' specialised agency, creates "a regulatory framework for the shipping industry that is fair, effective, universally adopted and implemented. [Full Report](#) 

Decision time for the IMO on climate: The polarized struggle among states for ambitious climate policy on shipping. *InfluenceMap*. April 2018. Available from: <https://influencemap.org/report/Decision-time-for-the-IMO-8f253dd1db9a2942b3c4d2d93f39f210> As IMO's critical meeting on climate change progresses, new research explores how around 25 key nations with a spectrum of positions jostle to influence the outcome

Harsh criticism of IMO's governance raised before crucial meeting. By Louise Vogdrup-Schmidt and Katrine Grønvald Raun. *ShippingWatch*. 3 April 2018. Available from: <https://shippingwatch.com/secure/carriers/article10479716.ece> For the second time in just six months, the UN's International Maritime Organization (IMO) has been hit by massive criticism.

International Maritime Organisation needs better governance, NGO says. By Claire Stam. *EurActiv*. 3 April 2018. Available from: <https://www.euractiv.com/section/energy-environment/news/international-maritime-organisation-needs-better-governance-ngo-says/> The call from the NGO was issued ahead of the 72nd session of IMO's Marine Environment Protection Committee (MEPC 72), set to take place in London from 9-13 April.

Unchecked corporate and national interests said to be threatening IMO governance. By Anastassios Adamopoulos. *Lloyd's List*. 3 April 2018. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1122049/Unchecked-corporate-and-national-interests-said-to-be-threatening-IMO-governance> The IMO could be undermined by undue flag state and corporate influence facilitated by the absence of relevant safeguards, a new report is claiming just as the IMO's members prepare to engage in one of its most consequential environmental negotiations.

Shipping's ambition and inequality collide at decarbonisation talks. By Anastassios Adamopoulos. *Lloyd's List*. 3 April 2018. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1122050/Shipplings-ambition-and-inequality-collide-at-decarbonisation-talks> As the IMO starts two weeks of negotiations to forge a five-year plan to reduce greenhouse gas emissions, one of its most consequential parameters has little to [do] with shipping itself.

Shipping climate talks begin amid protests and concerns over influence. By Megan Darby.

Climate Home News. 3 April 2018. Available from:

<http://www.climatechangenews.com/2018/04/03/shipping-climate-talks-begin-amid-protests-concerns-influence/>

So warned Transparency International on Tuesday, as talks on a climate target for international shipping started in London.

Is a dangerous complacency taking hold in shipping over climate goals?

By Laurence Tubiana. *Reuters*. 3 April 2018. Available from:

<http://news.trust.org/item/20180403161534-fb9c1/> As U.N. talks on cutting greenhouse gases from the shipping industry open in London, there are concerns that a dangerous complacency is taking hold in the sector.

Never before has a meeting generated such great interest': IMO boss's rallying MEPC call.

By Sam Chambers. *Splash 247.Com*. 4 April 2018. Available from: <http://splash247.com/never-meeting-generated-great-interest-imo-bosss-rallying-mepc-call/>

Addressing the start of the intersessional working group on the reduction of greenhouse gas (GHG) emissions from ships yesterday, Kitack Lim, the secretary general of the IMO, stressed the importance of those attending to reach a firm agreement fast on adopting an initial strategy for shipping to reduce its carbon footprint.

EU pushes IMO to aim for zero carbon emissions. By Adam Corbett. *TradeWinds*.

4 April 2018. Available from: <http://www.tradewindsnews.com/legal/1463890/eu-pushes-imo-to-aim-for-zero-carbon-emissions> The Eu voting bloc at the IMO will push regulators to agree to a minimum of 70% reduction target in shipping's carbon emissions by 2050, with the goal of eventually achieving a zero-carbon goal, or it will threaten to immediately introduce its own measures.

Tensions high as nations meet to set climate plan for global shipping. By Jessica Leber.

Oceans Deeply. 4 April 2018. Available from:

<https://www.newsdeeply.com/oceans/articles/2018/04/04/tensions-high-as-nations-meet-to-set-climate-plan-for-global-shipping>

The International Maritime Organization (IMO) is facing a looming deadline to adopt a climate change plan for the shipping industry – the only sector of the global economy that has yet to commit to specific targets to slash its greenhouse gas emissions.

IMO after criticism: Each nation shoulders responsibility. By Louise Vogdrup-Schmidt and

Katrine Grønvald Raun. *ShippingWatch*. 4 April 2018. Available from:

<https://shippingwatch.com/secure/carriers/article10483595.ece> It is the responsibility of each member of the IMO when employees of shipping companies or organizations take part in the work of the UN's IMO, writes an IMO spokesperson in a comment to ShippingWatch after yesterday's striking criticism from NGO Transparency International.

Change the IMO? That's for member states to decide. *Maritime Executive*. 4 April 2018.

Available from: <https://www.maritime-executive.com/article/change-the-imo-that-s-for-member-states-to-decide>

Transparency International has proposed a number of changes that it says could make the IMO better able to serve the interests of the world's citizens on issues such as greenhouse gas emissions.

NGO criticizes countries for unambitious CO2 reduction plan. By Søren Pico. *ShippingWatch*.

5 April 2018. Available from: <https://shippingwatch.com/secure/carriers/article10485370.ece>

Japan's climate proposal for shipping is "far too unambitious," Transport and Energy Officer Jeppe Juul of NGO The Ecological Council tells ShippingWatch.

Shipping industry faces moment of truth on climate change stance. By Julian Bray.

TradeWinds. 5 April 2018. Available from:

<http://www.tradewindsnews.com/passengerships/1463103/shipping-industry-faces-moment-of-truth-on-climate-change-stance>

Shipping has reached a watershed moment in the arguments over the need to cut greenhouse gas emissions.

Norway targets IMO to halve global shipping emissions by 2050. By Ole Petter Skonnord.

Reuters. 5 April 2018. Available from: <https://uk.reuters.com/article/us-norway-shipping-imo/norway-targets-imo-to-halve-global-shipping-emissions-by-2050-idUKKCN1HC1OG>

Global shipping should set a goal of halving greenhouse gas emissions by 2050, Norway's government and shipowners' association said on Thursday before talks by the International Maritime Organization (IMO) in London next week.

IMO prepares for showdown over shipping decarbonization. By Jack Jordan and

Frank Watson. *S&P Global Platts*. 6 April 2018. Available from: <https://www.platts.com/latest-news/shipping/london/feature-imo-prepares-for-showdown-over-shipping-26931834>

International Maritime Organization (IMO) delegates have arrived in London ahead of next week's meeting of the Marine Environment Protection Committee (MEPC), with the stage set for a fight over how to reduce the shipping industry's carbon emissions.

IMO 2020: Is not knowing worth the wait? *Ship & Bunker*. 6 April 2018. Available from:

<https://shipandbunker.com/news/world/998950-imo-2020-is-not-knowing-worth-the-wait>

"It's remarkable the shipping industry is having to wait this long to learn about the fuel it will be burning in 2020," writes Jack Jordan, editor of *Platts Bunkerworld*, in a recent opinion piece on the company's website.

In-depth: Will countries finally agree a climate deal for shipping? *Carbon Brief*. 6 April 2018.

Available from: <https://www.carbonbrief.org/in-depth-will-countries-finally-agree-climate-deal-for-shipping> The International Maritime Organisation (IMO) environment meeting in London is expected to set a concrete target for shipping emissions in the coming decades.

Shipping climate talks hit heavy weather as UN agency's credibility tested.

Transport & Environment. 6 April 2018. Available from:

<https://www.transportenvironment.org/press/shipping-climate-talks-hit-heavy-weather-un-agency%E2%80%99s-credibility-tested>

The first difficult week of talks in London on an interim greenhouse gas strategy for shipping saw little progress towards a final outcome with some deep divisions and much work remaining, sustainable transport group Transport & Environment said.

Shipping organizations: The industry is an indispensable part of the IMO.

By Louise Vogdrup-Schmidt. *ShippingWatch*. 6 April 2018. Available from:

<https://shippingwatch.com/secure/carriers/article10490008.ece> The IMO needs the maritime industry when creating international shipping rules and there is nothing notable in the fact that the sector is part of the UN body and has an influence on the its work, says an industry organisation.

Climate talks for shipping 'on a knife-edge' as deadline looms. By Megan Darby.

Climate Home News. 6 April 2018. Available from:

<http://www.climatechangenews.com/2018/04/06/climate-talks-shipping-knife-edge-deadline-looms/>

Campaigners warned the draft level of ambition at the IMO meeting was out of line with the Paris Agreement goal to hold global warming "well below 2C" and aim for 1.5C.

Pacific Islands issue stern warning against GHG regulation laggards.

By Anastassios Adamopoulos. *Lloyd's List*. 8 April 2018. Available from:

<https://lloydslist.maritimeintelligence.informa.com/LL1122123/Pacific-Islands-issue-stern-warning-against-GHG-regulation-laggards>

Pacific Ocean island states sounded off against the very real threat of an inferior decarbonisation strategy for international shipping amid a week of frustrating progress in negotiations at the IMO this week.

Transparency audit and the IMO. By Michael Grey. *Seatrade Maritime News*. 9 April 2018.

Available from: <http://www.seatrade-maritime.com/news/europe/transparency-audit-and-the-imo.html>

Columnist Michael Grey questions last week's highly critical report into the workings of the International Maritime Organization (IMO) by Transparency International.

UN, EU climate chiefs call for ambitious shipping strategy from IMO. By Megan Darby.

Climate Home News. 9 April 2018. Available from:

<http://www.climatechangenews.com/2018/04/09/un-climate-chief-calls-ambitious-shipping-strategy-imo/> "We are witnessing how climate change is moving much faster than emissions reductions," said Patricia Espinosa before the IMO plenary met in London on Monday.

UN draft calls on international shipping to halve greenhouse gas emissions by 2050.

By Claire Stam. *EurActiv*. 9 April 2018. Available from:

<https://www.euractiv.com/section/transport/news/un-draft-calls-on-international-shipping-to-halve-greenhouse-gas-emissions-by-2050/> The strategy will need to be finalised by 13 April at the Maritime Environment Protection Committee (MEPC) of the IMO but the issue remains uncertain as deep divisions prevail among the 173 IMO member states.

Tough CO2 negotiations await the IMO this week. By Louise Vogdrup-Schmidt and Katrine Grønvald Raun.

ShippingWatch. 9 April 2018. Available from:

<https://shippingwatch.com/secure/carriers/article10497430.ece> A CO2 plan for shipping must be settled and approved by the IMO this week, and this will be a difficult process.

Clear divisions as MEPC gets down to business. By Sam Chambers.

Splash 247.Com. 9 April 2018. Available from: <http://splash247.com/clear-divisions-mepc-gets-business/> Shipping and its emissions are very high up the mainstream news agenda today as delegates descend on the headquarters of the IMO for the crucial 72nd gathering of the Marine Environment Protection Committee (MEPC) where the industry's greenhouse gas emissions will be under the microscope.

'The opportunity is there': Businesses join calls for bold shipping climate plan at crucial IMO talks. By Michael Holder.

Business Green. 9 April 2018. Available from:

<https://www.businessgreen.com/bg/news-analysis/3029800/the-opportunity-is-there-businesses-join-calls-for-strong-shipping-climate-plan-at-crucial-imo-talks> Christiana Figueres, the former head of the UN climate change secretariat and one of the architects of the 2015 Paris Agreement, has warned the shipping industry it risks losing its position as the "backbone of global trade" unless a deal to drastically decarbonise the sector is brokered at crucial climate talks in London this week.

IMO opens 'heavily laden' MEPC 72 session. By Michael Angell.

TradeWinds. 9 April 2018. Available from: <http://www.tradewindsnews.com/casualties/1468482/imo-opens-heavily-laden-mepc-72-session> The head of the International Maritime Organisation kicked off the latest meeting on shipping environmental rules, noting a particularly "heavily laden" agenda.

No easy solutions to end IMO climate change negotiation impasse. By Nick Savvides.

Fairplay. 10 April 2018. Available from: <https://fairplay.ihs.com/safety-regulation/article/4299941/no-easy-solutions-to-end-imo-climate-change-negotiation-impasse>

In the debate for the shipping industry's strategy to combat climate change there are two main elements those that want tough targets for shipping to meet its carbon obligations and those, including the US, who say that there is no science to back such targets.

Spirit of compromise points towards greenhouse gas deal at MEPC. By Sam Chambers.

Splash 247.Com. 10 April 2018. Available from: <http://splash247.com/spirit-compromise-points-towards-greenhouse-gas-deal-mepc/> The battle lines have been drawn at the headquarters of the IMO as the 72nd gathering of the MEPC enters its second day.

Greenpeace urges IMO to protect Pacific, agree on rapid emissions phase-out.

Greenpeace International. 10 April 2018. Available from:

<https://www.greenpeace.org/international/press-release/15817/greenpeace-urges-imo-to-protect-pacific-agree-on-rapid-emissions-phase-out/> As Fiji was struck by its third cyclone of the year on Tuesday, Greenpeace International urged the International Maritime Organization (IMO) to finally take action against the shipping industry's climate-polluting carbon emissions.

Cutting CO2 emissions from shipping: ENVI delegation to the IMO. *European Parliament.*

10 April 2018. Available from: <http://www.europarl.europa.eu/news/en/press-room/20180409IPR01304/cutting-co2-emissions-from-shipping-envi-delegation-to-the-imo>

The delegation is composed of MEPs José Inácio Faria (EPP, PT, Co-chair), Jytte Guteland (S&D, SV, Co-chair) and Dubravka Šuica (EPP, HR).

Countries inch towards 'bare minimum' climate target for shipping. *By Sara Stefanini.*

Climate Home News. 10 April 2018. Available from:

<http://www.climatechangenews.com/2018/04/10/countries-inch-towards-bare-minimum-climate-target-shipping/>

A coalition in favour of a stronger emissions reduction target welcomed new allies in the run-up to this week's International Maritime Organization (IMO) meeting, where delegates are due to adopt an initial strategy by Friday.

IMO CO2 talks close to stalling. *By Adam Corbett.* *TradeWinds.* 11 April 2018.

Available from: <http://www.tradewindsnews.com/incoming/1469516/imo-co2-talks-close-to-stalling>

Concern is mounting that the International Maritime Organization is heading toward a "lame" compromise deal on emissions reduction at critical negotiations this week.

Spectre of Europe taking independent action on shipping GHG Regulations moves closer.

Ship & Bunker. 11 April 2018. Available from: <https://shipandbunker.com/news/world/660830-spectre-of-europe-taking-independent-action-on-shipping-ghg-regulations-moves-closer>

The prospect of Europe taking independent measures to reduce GHG emissions from Shipping is growing in likelihood, with Members of European Parliament (MEPs) saying they are prepared to take such action if they deem the strategy adopted at this week's MEPC72 to be "too lame".

Fears of diluting CO2 targets in the IMO at crucial point in time.

By Katrine Grønvald Raun. *ShippingWatch.* 11 April 2018. Available from:

<https://shippingwatch.com/secure/carriers/article10504379.ece> EU nations and the EU Commission should stand their ground in the hours of negotiations taking place this week in the IMO building by the River Thames in London.

UK, Marshall Islands back ship CO2 limit. *By Michael Angell.* *TradeWinds.* 11 April 2018.

Available from: <http://www.tradewindsnews.com/legal/1470553/uk-marshall-islands-back-ship-co2-limit>

The UK and the Marshall Islands are pushing the International Maritime Organization (IMO) to reach a deal reducing shipping's carbon dioxide emissions.

Cleaning up shipping will benefit Latin America. *By Jose Maria Figueres.* *Reuters.*

11 April 2018. Available from: <http://news.trust.org/item/20180411114313-v8qnw/> The renewable energy boom is creating economic opportunity in countries around the world.

African leaders must remember who they serve at this week's climate talks.

By Mohamed Adow. *Reuters.* 11 April 2018. Available from:

<http://news.trust.org/item/20180411111948-4phjy> Silence is not an option for African leaders at global climate change talks.

IMO fudges on carbon dioxide deal for ships. *By Adam Corbett.* *TradeWinds.* 12 April 2018.

Available from: <http://www.tradewindsnews.com/legal/1471197/imo-fudges-on-carbon-dioxide-deal-for-ships>

Shipping regulators have come up with a carefully worded package on carbon reduction aimed at pleasing all sides of the political debate on greenhouse gas emissions reduction.

Pacific Islands attack ICS, make last ditch plea to IMO. *By Sam Chambers.*

Splash 247.Com. 12 April 2018. Available from: <http://splash247.com/pacific-islands-attack-ics-make-last-ditch-plea-imo/>

With the Marine Environment Protection Committee (MEPC) set to conclude discussions tomorrow, the secretary general of the Pacific Islands Development Forum, Francois Martel, has launched a scathing attack on the International Chamber of Shipping (ICS).

MEPC 72: Only 2 nations stand in the way of deal to slash shipping GHGs at least 50% by 2050. *Ship & Bunker*. 12 April 2018. Available from: <https://shipandbunker.com/news/world/206582-mepc-72-only-2-nations-stand-in-the-way-of-deal-to-slash-shipping-ghgs-at-least-50-by-2050> The Shipping industry is on the verge of agreeing to slash its GHG emissions "at least 50%" by 2050 compared to 2008 levels.

11th hour of IMO summit points to 50 percent reduction target for shipping emissions. **By Louise Vogdrup-Schmidt and Katrine Grønvald Raun.** *ShippingWatch*. 12 April 2018. Available from: <https://shippingwatch.com/secure/carriers/article10509021.ece> It is the 11th hour of one of the most important meetings for the shipping industry in decades.

IMO strikes tentative deal for 50% emissions cut by 2050. **By Anastassios Adamopoulos.** *Lloyd's List*. 12 April 2018. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1122183/IMO-strikes-tentative-deal-for-50-emissions-cut-by-2050> Shipping is one decision away from committing to slash its emissions by at least 50% by 2050 after a working group at the International Maritime Organization backed the target on Thursday and set the scene for an intense showdown on the issue on Friday.

Historic greenhouse gas deal likely to be signed in London today. **By Sam Chambers.** *Splash 247.Com*. 13 April 2018. Available from: <https://splash247.com/historic-greenhouse-gas-deal-likely-signed-london-today/> After a four days of negotiations at the UN's IMO in London this week, and a day before an historic decision to cut the global shipping sector's greenhouse gases is due, calls for unity and consensus were made from both developing and developed countries around the world during what has been marathon meeting on the Marine Environment Protection Committee.

Nordic Council: The IMO must set the shipping sector on a low-emission path. *Nordic Council*. 13 April 2018. Available from: <http://www.norden.org/sv/aktuellt/nyheter/nordic-council-the-imo-must-set-the-shipping-sector-on-a-low-emission-path> International shipping and aviation are not directly covered by the 2015 Paris climate pact, which is based on national efforts.

ICS Applauds 'Paris Agreement for Shipping'. *International Chamber of Shipping (ICS)*. 13 April 2018. Available from: <http://www.ics-shipping.org/news/press-releases/view-article/2018/04/13/ics-applauds-%27paris-agreement-for-shipping> The International Chamber of Shipping has welcomed the high level strategy for the further reduction of shipping's greenhouse gas (GHG) emissions, adopted on 13 April by the UN International Maritime Organization

Cutting CO2 emission from ships: ENVI delegation reacts to IMO outcome. *European Parliament*. 13 April 2018. Available from: <http://www.europarl.europa.eu/news/en/press-room/20180413IPR01716/cutting-co2-emission-from-ships-envi-delegation-reacts-to-imo-outcome> MEPC parties agreed on Friday to commit to cut greenhouse gas emissions from the shipping sector by at least 50% by 2050.

Commissioners Bulc and Arias Cañete welcome the IMO agreement on CO2 reductions in the maritime sector. *European Commission*. 13 April 2018. Available from: http://europa.eu/rapid/press-release_STATEMENT-18-3341_en.htm Following the agreement reached today at the IMO on an initial strategy to reduce greenhouse gas (GHG) emissions from international shipping, Commissioner for Transport Violeta Bulc and Commissioner for Energy and Climate Action Miguel Arias Cañete issued the following statement: "The agreement reached today at the IMO is a significant step forward in the global efforts to tackle climate change."

Clean Arctic Alliance hails IMO move to ban heavy fuel oil from Arctic shipping. *Clean Arctic Alliance*. 13 April 2018. Available from: <http://www.hfofreearctic.org/en/2018/04/13/clean-arctic-alliance-hails-imo-move-to-ban-heavy-fuel-oil-ban-from-arctic-shipping/> The Clean Arctic Alliance applauded progress by IMO member states today towards banning use of the world's dirtiest fuel – heavy fuel oil – from Arctic shipping, and called for Member States to make every effort to adopt and rapidly implement a ban by 2021.

IMO gives strong signal to the shipping industry to start decarbonizing with full support of ECSA. *European Community Shipowners' Associations (ECSA)*. 13 April 2018. Available from: <http://www.ecsa.eu/news/imo-gives-strong-signal-shipping-industry-start-decarbonizing-full-support-ecsa> The environmental committee of IMO decided at its 72th meeting to adopt an initial strategy on the reduction of Green House Gases (GHG) emissions from ships.

The World Shipping Council welcomes the IMO's agreement on a greenhouse gas reduction strategy and calls for an IMO-led research and development programme.

World Shipping Council. 13 April 2018. Available from: http://www.worldshipping.org/press-room/IMO_GHG_Strategy_April_13_2018_for_Release.pdf The World Shipping Council (WSC) and its members welcome the International Maritime Organization's (IMO) agreement on an ambitious strategy to reduce greenhouse gas emissions from international shipping.

Greenpeace: shipping carbon reduction plan far from enough, but crucial first step.

Greenpeace International. 13 April 2018. Available from: <https://www.greenpeace.org/international/press-release/15865/greenpeace-shipping-carbon-reduction-plan-far-from-enough-but-crucial-first-step/> The IMO has today adopted a long-overdue plan to reduce climate polluting emissions from the global shipping industry.

BIMCO applauds new IMO emissions-strategy. *By Rasmus Nord Jorgensen. BIMCO.*

13 April 2018. Available from: <https://www.bimco.org/news/press-releases/20180413-mepc> BIMCO is very satisfied with the Green House Gas (GHG) strategy adopted by the International Maritime Organization (IMO) at the Marine Environment Protection Committee on April 13.

Climate Weekly: Shipping gets on board with climate action . *By Megan Darby.*

Climate Home News. 13 April 2018. Available from: <http://www.climatechangenews.com/2018/04/13/climate-weekly-shipping-gets-board-climate-action/> It is a compromise between a concerted push by Pacific islands and Europe for high ambition and strong resistance to any emissions cap at all from the US and emerging economies.

Shipping's climate strategy was a hard-won battle, but now the real work begins.

By Anastassios Adamopoulos. Lloyd's List. 15 April 2018. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1122206/Shipings-climate-strategy-was-a-hardwon-battle-but-now-the-real-work-begins> The IMO has agreed to halve emissions by at least 50% before 2050.

Brussels hails UN deal to halve shipping emissions by 2050 . *By Frédéric Simon. EurActiv.*

16 April 2018. Available from: <https://www.euractiv.com/section/transport/news/brussels-hails-un-deal-to-halve-shipping-emissions-by-2050/> Kitack Lim, Secretary-General of the International Maritime Organisation (IMO), said the adoption of the initial strategy "would allow future IMO work on climate change to be rooted in a solid basis".

MEPC 72: IMO GHG deal spells end of the oil-based bunker industry from the 2030's says expert. *Ship & Bunker.* 16 April 2018. Available from:

<https://shipandbunker.com/news/world/387303-mepc-72-imo-ghg-deal-spells-end-of-the-oil-based-bunker-industry-from-the-2030s-says-expert> Last Friday's historic agreement at MEPC 72 to reduce Shipping emissions will spell the end of today's traditional oil-based bunker industry from the 2030's, according to Dr Tristan Smith from the UCL Energy Institute.

From ambitious to hesitant: This was how the IMO's CO2 deal was received. *By Katrine Grønvald Raun. ShippingWatch.* 16 April 2018. Available from:

<https://shippingwatch.com/secure/carriers/article10517946.ece> Reactions have been pouring out after the IMO's 170 member states settled a long-awaited agreement on Friday for shipping's greenhouse gas emissions.

IETA welcomes IMO agreement to cut global shipping climate emissions. *International Emissions Trading Association (IETA)*. 16 April 2018. Available from: <http://www.ieta.org/page-18192/6101062> The International Emissions Trading Association (IETA) welcomed the International Maritime Organisation's initiation of a climate change strategy.

IMO GHG Strategy - What does it mean? By Katharine Palmer. *Lloyd's Register*. 16 April 2018. Available from: <https://www.lr.org/en/insights/articles/imo-ghg-strategy-what-does-it-mean/> Shipping currently accounts for 2.3 % of global CO2 emissions.

Weasel words give owners breathing space in the emissions debate. By Andrew Craig-Bennett. *Splash 247.Com*. 16 April 2018. Available from: <http://splash247.com/weasel-words-mepc-text-relating-2008-levels/> There was a convention amongst shipping journalists that one did not criticise the Inter-Governmental Maritime Consultative Organisation (IMCO).

"On IMO's initial strategy for the reduction of GHG from ships". *International Association of Dry Cargo Shipowners (INTERCARGO)*. 16 April 2018. Available from: https://www.intercargo.org/wp-content/uploads/2018/04/intercargo-media-release_16_04_2018-1.pdf INTERCARGO welcomes the landmark initial strategy for the reduction of Greenhouse Gas (GHG) from ships adopted by IMO.

Practical aspects of the IMO MEPC 72. By Andrew Craig-Bennett. *Splash 247.Com*. 17 April 2018. Available from: <http://splash247.com/practical-aspects-imo-mepc-72/> I mentioned, a few days ago, that in the future, as the 'open range' that the high seas have been, since the days of Hubertus Grotius and the concept of 'Mare Liberum', becomes increasingly 'fenced off' by international regulations, shipping companies will make as much money through astute awareness of regulations as they do by trading ships on the freight and charter markets.

IMO strikes shipping's first carbon emissions agreement. By Jennifer Johnson. *Marine Professional*. 17 April 2018. Available from: <https://www.imarest.org/themarineprofessional/item/4169-imo-strikes-shipping-s-first-carbon-emissions-agreement> After years of slow progress, IMO member states have finally adopted a strategy to reduce the shipping industry's greenhouse gas (GHG) emissions and align it with the goals of the Paris Agreement.

Four things to know about MEPC72 ballast water deliberations. By Jad Mouawad. *Maritime Executive*. 17 April 2018. Available from: <https://www.maritime-executive.com/blog/four-things-to-know-about-mepc72-ballast-water-deliberations> IMO's Marine Environment Protection Committee (MEPC 72) met between April 9 and 13, 2018 with a large number of documents related to the Ballast Water Management (BWM) Convention to be handled.

CMA CGM reaffirms its commitment towards the protection of the environment following the International Maritime Organization's historic decision aimed at reducing by 50% the industry's CO2 emissions in 2050. *CMA CGM*. 17 April 2018. Available from: <https://bit.ly/2EVnsaa> The CMA CGM Group, a world leader in maritime transport, welcomes the adoption, by member countries of the IMO, of a strategy aimed at reducing carbon emissions by 50% in 2050 in the maritime transport industry.

What the UN deal on shipping emissions means. By Bill Hemmings. *EurActiv*. 18 April 2018. Available from: <https://www.euractiv.com/section/transport/opinion/what-the-un-deal-on-shipping-emissions-means/> Shipping will need to embrace the concept of decarbonisation because governments have committed to see the sector's emissions reduced, something which aviation's offsetting mechanism - if it ever flies - is miles away from.

The shipping sector is finally on board in the fight against climate change.

By Beatriz Garcia and Jolene Lin. *The Conversation*. 18 April 2018. Available from: <https://theconversation.com/the-shipping-sector-is-finally-on-board-in-the-fight-against-climate-change-95212> For the first time, the massive global shipping sector has agreed to a 50% reduction in greenhouse gas emissions by 2050, in what's been called a "historic" moment.

How I learned to stop worrying and love the IMO. **By Neville Smith.** *Splash 247.Com*.

18 April 2018. Available from: <http://splash247.com/learned-stop-worrying-love-imo/> Rather than apologise to legendary filmmaker Stanley Kubrick, I should probably start by apologising to the IMO.

SeaLNG reiterates LNG's central role in meeting IMO's decarbonisation goals. *SeaLNG*.

19 April 2018. Available from: <https://sea-lng.org/sealng-reiterates-lngs-central-role-in-meeting-imos-decarbonisation-goals/> SeaLNG, the multi-sector industry coalition aiming to accelerate the widespread adoption of liquefied natural gas (LNG) as a marine fuel, supports the level of ambition outlined by the IMO's Initial Strategy.

Shipping may have done enough to fend off political intervention. **By Terry Macalister.**

TradeWinds. 19 April 2018. Available from: <http://www.tradewindsnews.com/legal/1473613/shipping-may-have-done-enough-to-fend-off-political-intervention> The shipping world has shown that it can rise to a carbon challenge, so three cheers for the IMO.

Wärtsilä welcomes global shipping's agreement to cut greenhouse gas emissions.

Wärtsilä Corporation. 20 April 2018. Available from: <https://www.wartsila.com/media/news/20-04-2018-wartsila-welcomes-global-shipping-s-agreement-to-cut-greenhouse-gas-emissions-2164202> The technology group Wärtsilä announces its strong support for the agreement reached last week at the International Maritime Organization (IMO) in London.

As IMO targets are questioned, what is the truth about shipping emissions? **By Alexander Whiteman.** *The Loadstar*. 23 April 2018. Available from: <https://theloadstar.co.uk/imo-targets-questioned-truth-shipping-emissions/> The IMO has decided to cut 2008 levels of greenhouse gas emissions (GHGs) by at least 50% by 2050 - but not all in the industry are convinced.

Singapore Maritime Week: Singapore pledges US\$5m for International Maritime Organization.

By Tan Hwee Hwee. *Straits Times*. 25 April 2018. Available from: <https://www.straitstimes.com/business/economy/singapore-maritime-week-singapore-pledges-us5m-for-international-maritime> Singapore will pledge an enhanced technical cooperation and training package valued at US\$5 million (about S\$6.5 million) for the IMO and its member states.

IMO steals a march on ICAO by agreeing a long-term strategy to reduce the shipping sector's international GHG emissions. *GreenAir Online*. 24 April 2018. Available from:

<http://www.greenaironline.com/news.php?viewStory=2471> Member States of the IMO, the sister UN agency of the International Civil Aviation Organization (ICAO), have adopted an initial strategy on the long-term reduction of greenhouse gas emissions from international shipping.

Maritime industry poll says IMO emissions deal does not go far enough. **By Jamey Bergman.**

Marine Propulsion & Auxiliary Machinery. 27 April 2018. Available from: http://www.mpropulsion.com/news/view_emissions-control_51598.htm An industry poll taken days after IMO delegates cut a landmark emissions deal has revealed a prevailing industry attitude that the agreed 50% reduction in shipping industry emissions is not enough.

LAW & POLICY

U.N. blacklists dozens of ships, companies over N. Korea smuggling. By Michelle Nichols.

Reuters. 30 March 2018. Available from: <https://af.reuters.com/article/africaTech/idAFL1N1RC0QJ>
The UN Security Council blacklisted dozens of ships and shipping companies on Friday over oil and coal smuggling by North Korea.

Climate change and money. By Michael Zammit Cutajar. Times of Malta. 2 April 2018.

Available from: <https://www.timesofmalta.com/articles/view/20180402/opinion/Climate-change-and-money-Michael-Zammit-Cutajar.675128> Thirty years ago, Malta gained international credit for proposing that the United Nations take up the challenge of "conservation of climate".

The one that got away: Indonesia seizes illegal fishing boat with 30-km nets. By Agustinus Beo Da Costa.

Reuters. 9 April 2018. Available from: <https://www.reuters.com/article/us-oceans-fishing-indonesia/the-one-that-got-away-indonesia-seizes-illegal-fishing-boat-with-30-km-nets-idUSKBN1HG0SB> Indonesia, acting on a request from Interpol, has seized a fishing boat carrying 600 illegal gillnets that can stretch up to 30 km (18 miles) after it evaded capture in several countries, the Fisheries Ministry said.

World nations agree to at least halve shipping emissions by 2050. United Nations Framework Convention on Climate Change (UNFCCC). 14 April 2018. Available from:

<https://unfccc.int/news/world-nations-agree-to-at-least-halve-shipping-emissions-by-2050> Countries at the International Maritime Organization have taken a crucial step to limit the climate impact of global maritime transport.

Government activates national oil spill contingency plan. By Cornelius Essen.

Guardian (Nigeria). 16 April 2018. Available from: <https://guardian.ng/energy/government-activates-national-oil-spill-contingency-plan/> The Federal Government and oil firm, Nigeria Agip Oil Company (NAOC) have concluded arrangement to carry out activation of National Oil Spill Contingency Plan (NOSCP) as agreed by the stakeholders.

Tugboat captains sanctioned for declining to take some ships through new Panama locks. By Donal Scully.

Splash 247.Com. 15 April 2018. Available from: <http://splash247.com/tugboat-captains-sanctioned-declining-take-ships-new-panama-locks/> The Panama Canal Authority (ACP), the government body responsible for operating and managing the inter-oceanic waterway, announced it has imposed unspecified sanctions on tugboat captains for refusing to transit some ships through the new neopanamax locks.

US Customs releases new footage to disrupt drug trafficking in C'bean Sea. Jamaica Observer. 15 April 2018. Available from:

http://www.jamaicaobserver.com/latestnews/US_Customs_releases_new_footage_to_disrupt_drug_trafficking_in_Cbean_Sea The United States Customs and Border Protection (CBP) agency has released new footage aimed at disrupting drug trafficking operations in the Caribbean Sea.

Migrant-rescue boat Open Arms released by Italian authorities. By Lorenzo Tondo and Sam Jones. The Guardian. 16 April 2018. Available from:

<https://www.theguardian.com/world/2018/apr/16/migrant-rescue-boat-open-arms-released-by-italian-authorities> Italian authorities have released a migrant-rescue boat that has been impounded for almost a month but are still investigating two of its crew on suspicion of enabling illegal immigration.

New biofouling guides aim to stop dirty vessels entering New Zealand.

Government of New Zealand. 17 April 2018. Available from: <https://www.mpi.govt.nz/news-and-resources/media-releases/new-biofouling-guides-aim-to-stop-dirty-vessels-entering-new-zealand/> The Ministry for Primary Industries has released guidance on how international vessels can comply with strict, new biofouling rules.

[Guidance Document for the Craft Risk Management Standard for Biofouling](#) 

Get ready for New Zealand's new biofouling requirements. By Jim Mulrenan. *Gard.*

19 April 2018. Available from: <http://www.gard.no/web/updates/content/25358042/get-ready-for-new-zealands-new-biofouling-requirements> New Zealand is known for its unique nature and marine environments and has strict biosecurity requirements for arriving vessels and will soon become the first country in the world to introduce a nationwide standard for biofouling.

Nigeria will lead creation of sustainable global maritime economy'. By Eromosele Abiodun.

This Day (Nigeria). 20 April 2018. Available from: <https://www.thisdaylive.com/index.php/2018/04/20/nigeria-will-lead-creation-of-sustainable-global-maritime-economy/> Managing Director of Lagos Deep Offshore Logistic Base, LADOL, Dr. Amy Jadesimi has said that only radical changes in development and business would create a sustainable world, noting that countries like Nigeria would take a lead in creating a sustainable global maritime economy.

Google is Indonesia's new weapon in war on illegal fishing . By Karlis Salna. *Bloomberg.*

23 April 2018. Available from: <https://www.bloombergquint.com/technology/2018/04/19/google-satellite-tracking-is-indonesia-s-weapon-in-fishing-war> Indonesia's Fisheries Minister Susi Pudjiastuti deals with some dangerous men in her role, but they don't rattle her.

P&O Cruises master taken to court over fuel violation. By Gary Dixon. *TradeWinds.*

24 April 2018. Available from: <http://www.tradewindsnews.com/incoming/1477648/pando-cruises-master-taken-to-court-over-fuel-violation> The captain of a P&O Cruises vessel is facing a fine and a potential jail sentence in France after admitting breaching sulphur fuel rules.

This is Russia's new North Pole base. By Atle Staalesen. *Independent Barents Observer (Norway)*.

24 April 2018. Available from: <https://thebarentsobserver.com/en/arctic/2018/04/russias-new-north-pole-base> The Russian Hydrometeorological Service (Roshydromet) has signed a contract with the Admiralty Yard in St. Petersburg over the construction of the North Pole research platform.

Spanish police make record cocaine bust in Algeciras port. By Paul Day. *Reuters.*

25 April 2018. Available from: <https://www.reuters.com/article/us-spain-drugs/spanish-police-make-record-cocaine-bust-in-algeciras-port-idUSKBN1HW15G> Spanish police have made a record cocaine seizure, finding nearly 9 tonnes of the drug hidden among boxes of bananas in a shipping container at the southern port of Algeciras, the customs office said on Wednesday.

Maritime greenhouse-gas emissions: Getting to 2023. By John Gallagher. *Fairplay.*

30 April 2018. Available from: https://fairplay.ihs.com/safety-regulation/maritime-greenhouse-gas-emissions-getting-to-2023_20180430.html Last month, the shipping industry agreed to an initial path toward cutting greenhouse-gas (GHG) emissions by at least 50% by 2050, with a goal towards eliminating them entirely by the end of the century.

MARINE TECHNOLOGY

Wilhelmsen and KONGSBERG establish world's first autonomous shipping company.

Kongsberg. 3 April 2018. Available from:

<https://www.kongsberg.com/en/kog/news/2018/april/wilhelmsen%20and%20kongsberg%20establish%20worlds%20first%20autonomous%20shipping%20company/>

As a world-leading maritime nation, Norway has taken a position at the forefront in developing autonomous ships.

Significant demand' expected for autonomous ships as new company launched.

By Greg Knowler. *Fairplay*. 4 April 2018. Available from: [https://fairplay.ihs.com/safety-](https://fairplay.ihs.com/safety-regulation/article/4299696/%E2%80%98significant-demand%E2%80%99-expected-for-autonomous-ships-as-new-company-launched)

[regulation/article/4299696/%E2%80%98significant-demand%E2%80%99-expected-for-autonomous-ships-as-new-company-launched](https://fairplay.ihs.com/safety-regulation/article/4299696/%E2%80%98significant-demand%E2%80%99-expected-for-autonomous-ships-as-new-company-launched)

A joint venture company has been launched by Norway's Wilhelmsen Group and Kongsberg in a bid to consolidate the country's position as a leader in the field of autonomous shipping.

ClassNK releases guidelines for use of drones in class surveys. *ClassNK*. 9 April 2018.

Available from:

https://www.classnk.or.jp/hp/en/hp_news.aspx?id=2800&type=press_release&layout=1

These guidelines incorporate the applicable range and procedures for use of drones in class surveys, the technical considerations for safe operation and the requirements for drone service suppliers.

Managers question systems' reliability. *Ballast Water Treatment Technology*. 23 April 2018.

Available from: http://www.ballastwatermanagement.co.uk/news/view,managers-question-systems-reliability_51508.htm

Ballast water management systems (BWMSs) are not as reliable in practice as manufacturers promise, according to two shipping company executives at a conference in China last September.

MSRA and OOCL embrace AI in digital transformation. *Microsoft*. 23 April 2018. Available from:

<https://news.microsoft.com/apac/2018/04/23/msra-and-oocl-embrace-ai-in-digital-transformation/>

Microsoft Research Asia (MSRA), Microsoft's world-class research arm, and Orient Overseas Container Line Limited (OOCL) announced their partnership in applying Artificial Intelligence (AI) research to improve network operations and achieve efficiencies within the shipping industry.

AI and cargo shipping: Full speed ahead for global maritime trade. *Microsoft*. 23 April 2018.

Available from: <https://news.microsoft.com/apac/features/ai-and-cargo-shipping-full-speed-ahead-for-global-maritime-trade/>

As the old saying goes: Time is money.

New BWMS Manufacturers' Association elects Inaugural Board . *Maritime Executive*.

24 April 2018. Available from: [https://www.maritime-executive.com/corporate/new-bwms-](https://www.maritime-executive.com/corporate/new-bwms-manufacturers-association-elects-its-first-board-of-directors)

[manufacturers-association-elects-its-first-board-of-directors](https://www.maritime-executive.com/corporate/new-bwms-manufacturers-association-elects-its-first-board-of-directors) The manufacturers and stakeholders in the ballast water treatment equipment market have taken a major step forward by codifying a unified manufacturers' association.

My Fuel Consumption: a new application to help shipowners comply with new regulations for energy efficiency management. *Bureau Veritas*. 25 April 2018. Available from:

<http://www.bureauveritas.com/home/news/business-news/my-fuel-consumption-a-new-application-to-help-shipowners-comply-with-new-regulations-for-energy-efficiency-management>

BV further expands its support to shipowners and the industry with the introduction of the first phase of My Fuel Consumption - a cloud-based and secure web application available for use on desktop, mobile and tablet.

The benefits of technology: Nick Brown of Lloyd's Register . **By Tony Munoz.**

Maritime Executive. 25 April 2018. Available from: [https://maritime-executive.com/features/the-](https://maritime-executive.com/features/the-benefits-of-technology-nick-brown-of-lloyd-s-register)

[benefits-of-technology-nick-brown-of-lloyd-s-register](https://maritime-executive.com/features/the-benefits-of-technology-nick-brown-of-lloyd-s-register) MarEx recently spoke with Nick Brown, the director of marine and offshore for Lloyd's Register (LR), to learn more about the state of the market for autonomous navigation and cruise ship construction.

Maersk selects Sea Machines for world's first AI-powered situational awareness system aboard a container ship. *Sea Machines Robotics*. 25 April 2018.

Available from: <http://www.sea-machines.com/updates/2018/04/25/maersk-selects-sea-machines/>
Boston-based Sea Machines Robotics announces today that it has signed a contract with A.P. Moller-Maersk, to trial its industry-leading perception and situational awareness technology aboard one of the company's new-build Winter Palace ice-class container ships.

World's first Autodocking installation successfully tested by Wärtsilä. *Wärtsilä Corporation*.

26 April 2018. Available from: <https://www.wartsila.com/media/news/26-04-2018-world-s-first-autodocking-installation-successfully-tested-by-wartsila-2169290> The technology group Wärtsilä has successfully carried out testing of its innovative autodocking technology.

Scrubber technology and preparing for the 2020 sulphur cap . By Don Gregory.

Hellenic Shipping News. 27 April 2018. Available from:

<https://www.hellenicshippingnews.com/scrubber-technology-and-preparing-for-the-2020-sulphur-cap/>

The only commercial technology solution currently available to meet compliance with MARPOL Annex VI Regulation 14 is an exhaust gas cleaning system, namely scrubbing.

MARITIME EDUCATION & TRAINING

AMC announced as key strategic partner in Naval Shipbuilding College. *Australian Maritime College (AMC)*. 4 April 2018. Available from: <http://www.amc.edu.au/about-amc/news-and-events/news-items/amc-announced-as-key-strategic-partner-in-naval-shipbuilding-college>

Australian Maritime College (AMC) is delighted to be a strategic partner in this new national enterprise and looks forward to working closely with the National Shipbuilding Institute to ensure that, together, we deliver the expertise and the workforce the Australian Government's continuous naval shipbuilding plan will require.

How do you solve a problem like shipboard training? By Brenda V.Pimentel. *Manila Times*.

10 April 2018. Available from: <http://www.manilatimes.net/how-do-you-solve-a-problem-like-shipboard-training/391518/> The Philippines, while claiming to be the top supplier of seafarers to global shipping is at the same time endlessly facing the problem of lack of available berths for shipboard training to thousands of merchant marine students who completed their academic instructions.

Maritime Academy threatened by unskilled manpower. By Bayo Akomolafe.

New Telegraph (Nigeria). 11 April 2018. Available from:

<https://newtelegraphonline.com/2018/04/maritime-academy-threatened-by-unskilled-manpower/>

For close to four decades, the decision by some cadets at the Maritime Academy of Nigeria (MAN) to proceed to the second phase of their mandatory training on board ships after due academic certification has been a tall order.

MPA, industry partners and labour movement sign MOU to develop human capital for seafaring sector. *Maritime and Port Authority of Singapore (MPA)*. 23 April 2018. Available from:

<https://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/6a637c68-f5df-4402-94e4-012af67cc033> The Maritime and Port Authority of Singapore (MPA) has signed a Memorandum of Understanding (MOU) with the Singapore Shipping Association (SSA), Singapore Maritime Employers Federation (SMEF), Singapore Maritime Officers' Union (SMOU) and Singapore Organisation of Seamen (SOS) aimed at developing human capital for the seafaring sector.

196 resume at Maritime varsity. By Oluwakemi Dauda. *The Nation (Nigeria)*. 24 April 2018. Available from: <http://thenationonline.net/196-resume-at-maritime-varsity/> The Nigerian Maritime University, Okerenkoko, Delta State, has started lectures for the 2017/2018 academic year.

ISWAN delivers training on piracy awareness in Chennai. *International Seafarers' Welfare and Assistance Network (ISWAN)*. 26 April 2018. Available from: <http://seafarerswelfare.org/news-and-media/latest-news/iswan-delivers-training-on-piracy-awareness-in-chennai> Chirag was invited by the Indian Maritime University to deliver the training to 17 participants from Africa, who were on an Indian Technical and Economic Cooperation (ITEC) course under the Ministry of External Affairs exchange programme.

MARITIME SAFETY

MAIB Safety Digest: Volume 1, 2018: Analyses of marine accidents involving vessels from the merchant, fishing and recreational sectors. *UK Marine Accident Investigation Branch (MAIB)* 3 April 2018. Available from: <https://www.gov.uk/government/publications/maib-safety-digest-volume-1-2018> Short accounts of accidents describing what happened, and lessons to be learned. [Lessons from Marine Accident Reports](#)

Lessons learned from the S.S. EL FARO casualty. *United States Coast Guard*. 3 April 2018. Available from: <https://www.dco.uscg.mil/Portals/9/DCO%20Documents/5p/CG-5PC/INV/Alerts/0418.pdf> The purpose of this Alert is to inform operators of the role that the main propulsion lube oil system was found to have played in the *EL FARO* casualty.

Real-time data helps Miami Seaport safely bring in ships. By Sarah Carter. *ShipInsight*. 10 April 2018. Available from: <https://shipinsight.com/real-time-data-helps-miami-seaport-safely-bring-in-ships/> As ships approach the port in Miami, they face a particular challenge: strong currents from the Gulf Stream run perpendicular to the shipping channel.

Government pushes for safety in shipping. By Maclean Kwofi. *Graphic Online (Ghana)*. 17 April 2018. Available from: <https://www.graphic.com.gh/business/business-news/government-pushes-for-safety-in-shipping.html> The agreement which is meant for West and Central African countries seeks to develop a system of harmonised port state control inspection procedure for the region.

Taking lessons from *El Faro* to assess cyber risk. By Andrew Kinsey. *MarineLink.Com*. 17 April 2018. Available from: <https://www.marinelink.com/news/lessons-taking-assess436456> The International Maritime Organization (IMO) January 2021 deadline for ship owners and managers to incorporate cyber risk management into existing Safety Management Systems is closer than many realize, especially given the complex profile that the risk presents and the need for a well-detailed procedure to help protect marine assets and businesses.

U.S. Flag interpretations on the ISM Code. By Amy Midgett. *US Coast Guard Maritime Commons*. 19 April 2018. Available from: <http://mariners.coastguard.dodlive.mil/2018/04/19/4-19-2018-u-s-flag-interpretations-on-the-ism-code/> Final Action Memo regarding the sinking of the S.S. *El Faro* (see Safety Recommendation #15) noted that supplementary guidance would be promulgated to ensure the ISM Code is effectively implemented on applicable U.S. flagged vessels.

Safety culture and seafarer standards are closely linked. By Colin Gillespie. *Safety4Sea*. 26 April 2018. Available from: <https://safety4sea.com/safety-culture-and-seafarer-standards-are-closely-linked/> The biggest challenge for the industry from a loss prevention perspective is the quality of officers available to owners.

MARITIME SECURITY

U.N. quietly steps up inspection of aid ships to Yemen. By Stephanie Nebehay. *Reuters*. 4 April 2018. Available from: <https://www.reuters.com/article/us-yemen-security-un/u-n-quietly-steps-up-inspection-of-aid-ships-to-yemen-idUSKCN1HC1P0> The United Nations is beefing up its inspections of ships bringing humanitarian aid to Yemen to ensure that no military items are being smuggled and to speed delivery of desperately-needed relief supplies, U.N. and Saudi officials say.

Al Houthi maritime threat should be global concern. By Saeed Al Batati. *Gulf News*. 5 April 2018. Available from: <http://gulfnews.com/news/gulf/yemen/al-houthi-maritime-threat-should-be-global-concern-1.2199870> Al Mukalla: Maritime navigation and international trade in the Red Sea would not be safe as far as the Iran-backed Al Houthis control coastal areas in Yemen's western coastline, military experts said.

Port security officers propose regional forum for maritime security. By Godwin Oritse. *Vanguard (Nigeria)*. 6 April 2018. Available from: <https://www.vanguardngr.com/2018/04/port-security-officers-propose-regional-forum-maritime-security/> The Lagos Maritime Security zone of the Port Facility Security Officers (PFSO) Forum has proposed the establishment of a regional maritime security forum in the Economic Community of West African States, ECOWAS with a view to tackling security from a common front.

Guidance will ensure ships are compliant with IMO cyber risk. By Martyn Wingrove. *Marine Electronics & Communications*. 17 April 2018. Available from: http://www.marinemec.com/news/view_guidance-will-ensure-ships-are-compliant-with-imo-cyber-risk_51435.htm Guidance has been published that will ensure shipowners can meet IMO's cyber risk management requirements.

Ship security response exercise. By Siteri Sauvakacolo. *Fiji Times*. 18 April 2018. Available from: <http://www.fijitimes.com/ship-security-response-exercise/> A major exercise on ship security response and responses to damages or destructions to port facilities will be undertaken by the Fiji Ports Corporation Ltd towards the end of the year.

North of England phishing attack highlights ongoing cyber-threats. By Jim Mulrenan. *TradeWinds*. 19 April 2018. Available from: <http://www.tradewindsnews.com/insurance/1473510/north-of-england-phishing-attack-highlights-ongoing-cyber-threats> An emailed debit note sent to members of the North of England Protecting and Indemnity Association last month has reinforced the need for constant vigilance to avoid cyber scams.

42nd SHADE CONFERENCE: "There is perhaps one main focus that we need to have - that international shipping can go about its business unhindered." *EU NAVFOR Somalia*. 23 April 2018. Available from: <http://eunavfor.eu/42nd-shade-conference-there-is-perhaps-one-main-focus-that-we-need-to-have-that-international-shipping-can-go-about-its-business-unhindered/> EU NAVFOR chaired the 42nd Shared Awareness and De-confliction (SHADE) conference in Bahrain over two days from 17th to 18th April 2018; this was co-chaired by the Combined Maritime Forces (CMF) and was attended by independently deploying nations and the maritime shipping industry.

Shaping the Future of a Cyber-smart Maritime Industry. *Maritime and Port Authority of Singapore* 25 April 2018. Available from: <https://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/0c373e30-7ff8-4a8a-a1d8-32bd3299ea4d> More than 250 participants from diverse maritime backgrounds gathered in Singapore for the second Maritime Cyber Security Seminar to discuss the latest developments and measures to strengthen the industry's resilience against current and emerging cyber risks.

ReCAAP ISC and RSIS co-organises Maritime Roundtable on "Single Reporting Centre" for piracy and sea robbery. *ReCAAP*. 25 April 2018. Available from: <https://bit.ly/2JnfPfk> The Regional Cooperation Agreement on Combating Piracy and Armed Robbery against Ships in Asia Information Sharing Centre (ReCAAP ISC) and the S. Rajaratnam School of International Studies (RSIS) co-organised a Maritime Roundtable co-moderated by Mr. Masafumi Kuroki, Executive Director of ReCAAP ISC and Amb. Ong Keng Yong, Executive Deputy Chairman of RSIS.

Shipowners urged to address cyber protection. **By Jon Guy.** *Fairplay*. 25 April 2018. Available from: <https://fairplay.ihs.com/safety-regulation/article/4300501/shipowners-urged-to-address-cyber-protection> A leading P&I claims expert has said shipowners need to up their game when it comes to preparing for a cyber attack.

To tackle the cyber threat, shipping must change its culture. *Naval Architect*. April 2018. Available from: https://www.rina.org.uk/Cyber_security.html Though Maersk was not the specific target of the 2017 NotPetya ransomware attack, which hit a wide range of companies using the Ukrainian accounting software MeDoc via a malicious update, it didn't much matter.

MIGRANTS

Mediterranean migrant arrivals reach 15,289 in 2018; Deaths reach 517. *International Organization for Migration (IOM)*. 6 April 2018. Available from: <http://www.iom.int/news/mediterranean-migrant-arrivals-reach-15289-2018-deaths-reach-517> IOM reports that 15,289 migrants and refugees have entered Europe by sea through the first 95 days of 2018, with about 44 per cent arriving in Italy and the remainder divided between Greece (33%) Spain (23%) and Cyprus (less than 1%).

Mediterranean migrant arrivals reach 16,089 in 2018; Deaths reach 521. *International Organization for Migration (IOM)*. 10 April 2018. Available from: <https://www.iom.int/news/mediterranean-migrant-arrivals-reach-16089-2018-deaths-reach-521> IOM reports that 16,089 migrants and refugees entered Europe by sea in 2018 through 8 April, with the vast majority arriving in Italy and the rest in Spain, Greece, and Cyprus.

Mediterranean migrant arrivals reach 16,847 in 2018; Deaths reach 557. *International Organization for Migration (IOM)*. 13 April 2018. Available from: <http://www.iom.int/news/mediterranean-migrant-arrivals-reach-16847-2018-deaths-reach-557> IOM reports that 16,847 migrants and refugees entered Europe by sea in 2018 through 11 April, with the vast majority arriving in Italy and the rest in Spain, Greece, and Cyprus.

Mediterranean migrant arrivals reach 17,461 in 2018; Deaths Reach 559. *International Organization for Migration (IOM)*. 17 April 2018. Available from: <http://www.iom.int/news/mediterranean-migrant-arrivals-reach-17461-2018-deaths-reach-559> IOM reports that 17,461 migrants and refugees have entered Europe by sea through the first 105 days of 2018, with about 43 per cent arriving in Italy and the remainder divided between Greece (36%) Spain (20%) and Cyprus (less than 1%).

Libyan coastguards rescue 283 migrants, recover 11 bodies in 2 separate operations. **By Abdulkader Assad.** *Libya Observer*. 22 April 2018. Available from: <https://www.libyaobserver.ly/news/libyan-coastguards-rescue-283-migrants-recover-11-bodies-2-separate-operations> The Libyan Coast Guard recovered Sunday the bodies of 11 illegal immigrants and rescued 283 others in two separate operations off the Libyan coast.

Mediterranean migrant arrivals reach 18,575 in 2018; Deaths reach 559.

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

<https://www.iom.int/news/mediterranean-migrant-arrivals-reach-18575-2018-deaths-reach-559>

IOM reports that 18,575 migrants and refugees entered Europe by sea through the first 108 days of 2018, with about 40 per cent arriving in Italy and the remainder divided between Greece (38 per cent) and Spain, at roughly 20 per cent.

Mediterranean migrant arrivals reach 20,927 in 2018; Deaths reach 587.

International Organization for Migration (IOM). 27 April 2018. Available from:

<https://www.iom.int/news/mediterranean-migrant-arrivals-reach-20927-2018-deaths-reach-587>

IOM reports that 20,927 migrants and refugees entered Europe by sea through the first 115 days of 2018, with about 43 per cent arriving in Italy and the remainder divided between Greece and Spain.

NAVIGATION & COMMUNICATIONS

IMO is divided over GMDSS recognition of Iridium. By Aline de Bièvre.

Marine Electronics & Communications. 3 April 2018. Available from:

http://www.marinemec.com/news/view,imo-is-divided-over-gmdss-recognition-of-iridium_51266.htm

In May, IMO's Maritime Safety Committee (MSC) will need to tackle the question of whether to incorporate Iridium's mobile satellite system into discussions about the future of the Global Maritime Distress and Safety System (GMDSS).

Report presents issues with pilot transfers. Safety4Sea. 4 April 2018. Available from:

<https://safety4sea.com/report-presents-issues-with-pilot-transfers/> For a Maritime Pilot, embarking and disembarking a ship is a dangerous task.

The quest to map the mysteries of the ocean floor. By Adrienne Bernhard. BBC Future.

5 April 2018. Available from: <http://www.bbc.com/future/story/20180404-the-quest-to-map-the-mysteries-of-the-ocean-floor> Geologists have charted mountain ranges and forests and desert tundras, astronomers the heavens above, yet our planet's oceans remain largely unexplored.

Inmarsat network migration impact on maritime distress and safety services.

US Coast Guard Maritime Commons. 9 April 2018. Available from:

<http://mariners.coastguard.dodlive.mil/2018/04/09/4-9-2018-inmarsat-network-migration-impact-on-maritime-distress-and-safety-services/> Inmarsat has announced that it will migrate Inmarsat-C, Mini C, and Fleet77 used for Global Maritime Distress & Safety System (GMDSS), Long Range Identification and Tracking (LRIT) and Ship Security Alerting Systems (SSAS) from their I-3 to their I-4 Network.

'Impregnable' radar breached in simulated cyber attack. By Martyn Wingrove.

Marine Electronics & Communications. 10 April 2018. Available from:

http://www.marinemec.com/news/view,impregnable-radar-breached-in-simulated-cyber-attack_51353.htm Contrary to popular belief, no bridge system is truly safe from hackers.

The secret language of ships. By Erin Van Rheezen. Hakai Magazine. 10 April 2018.

Available from: <https://www.hakaimagazine.com/videos-visuals/the-secret-language-of-ships/>

Approaching the container ship in San Francisco Bay, the tugboat looks like a pit bull puppy chasing an eighteen-wheeler.

E-navigation: Search for standardisation continues. By Aline de Bièvre.

Marine Electronics & Communications. 11 April 2018. Available from:

http://www.marinemec.com/news/view,enavigation-search-for-standardisation-continues_51375.htm

Regulators and shipping industry stakeholders still have much to do to ensure that e-navigation technology can be adopted globally to improve ship safety.

Cruiseships learn from commercial cousins to explore polar regions. By Geoff Garfield.

TradeWinds. 12 April 2018. Available from:

<http://www.tradewindsnews.com/passengerships/1462867/cruiseships-learn-from-commercial-cousins-to-explore-polar-regions> A new generation of polar cruiseships is on order, with the most sophisticated equipped and the kind of ice and safety features found on high-tech commercial tonnage operating in Arctic areas.

Peel Ports tests drone boat for seabed surveys. *Maritime Executive*. 12 April 2018.

Available from: <https://www.maritime-executive.com/article/peel-ports-tests-drone-boat-for-seabed-surveys> UK ports operator Peel Ports Group and autonomous vessel firm ASV Global recently tested an autonomous shallow-draft survey boat at the Port of Liverpool.

Understanding barred speed range during simulations and sea trials.

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

http://www.mpropulsion.com/news/view.understanding-barred-speed-range-during-simulations-and-sea-trials_51419.htm Spending too long in the barred speed range (BSR) can have a detrimental effect on shaftline fatigue lifetimes.

Fujitsu, SMU, and A*STAR collaborate on traffic management technologies with the Maritime and Port Authority of Singapore. *Singapore Management University (SMU)*. 16 April 2018.

Available from: <https://www.smu.edu.sg/news/2018/04/16/fujitsu-smu-and-astar-collaborate-traffic-management-technologies-maritime-and-port> Fujitsu Limited, Singapore Management University (SMU), and A*STAR's Institute of High Performance Computing (IHPC), today announced their collaboration to develop innovative new technologies for vessel traffic management in the Port of Singapore, with the support of the Maritime and Port Authority of Singapore (MPA).

STM Baltic Navigational Warnings directly in ECDIS reduce accident risk.

Sea Traffic Management (STM). 19 April 2018. Available from: <http://stmvalidation.eu/news/stm-baltic-navigational-warnings-directly-in-ecdis-reduce-accident-risk/> The purpose of the Baltic Navigational Warning service is to provide a ship with only those warnings that are relevant to its route and for the period required.

Costa Rica presents its new map including additional maritime territory that used to be in dispute with Nicaragua. By Laura Alvarado. *Costa Rica Star*. 24 April 2018. Available from:

<https://news.co.cr/costa-rica-presents-its-new-map-including-additional-maritime-territory-that-used-to-be-in-dispute-with-nicaragua/72528/> The sentence of the International Court of Justice (ICJ) received earlier this year in favor of Costa Rica, regarding the cases of "Maritime Delimitation Claim in the Caribbean and Pacific Ocean (Costa Rica v. Nicaragua)" and "Terrestrial Frontier in the North Area of Isla Portillos (Costa Rica v. Nicaragua)", allowed Costa Rica to update the map of the country to include 36, 000 km² of maritime territory and properly define the maritime frontier between Costa Rica and Nicaragua.

Sentinel tracks ships' dirty emissions from orbit. By Jonathan Amos. *BBC News*.

27 April 2018. Available from: <http://www.bbc.co.uk/news/science-environment-43926232>; PODCAST Sentinel-5P was launched in October last year and this week completed its in-orbit commissioning phase.

Pilots blamed for V.Ships bulker's double grounding. By Gary Dixon. *TradeWinds*.

30 April 2018. Available from: <http://www.tradewindsnews.com/casualties/1481364/pilots-blamed-for-vships-bulkers-double-grounding> A V.Ships-managed bulker grounded twice in two days off the UAE due to two pilots' lack of local experience, an accident report has founded.

PIRACY

Pirates raid Ghanaian vessel in Keta; take 3 Korean nationals hostage. *GhanaWeb*.

29 March 2018. Available from:

<https://www.ghanaweb.com/GhanaHomePage/NewsArchive/Pirates-raid-Ghanaian-vessel-in-Keta-take-3-Korean-nationals-hostage-638627> Suspected Nigerian pirates have raided a Ghanaian-owned fishing vessel off the coast of Keta in the Volta Region of Ghana and taken hostage three crew members.

3 S. Korean sailors presumed to have been kidnapped off Ghana: foreign ministry.

Yonhap News Agency (South Korea). 31 March 2018. Available from:

<http://english.yonhapnews.co.kr/search/1/2603000000.html?cid=AEN20180331001954320> Three South Korean sailors are presumed to have been kidnapped in seas off Ghana, Seoul's foreign ministry said Saturday, with a South Korean anti-piracy warship being dispatched to the nearby area.

EU NAVFOR confirm MT Abqaiq attacked in Southern Red Sea. *EU NAVFOR Somalia*.

4 April 2018. Available from: <http://eunavfor.eu/eu-navfor-confirm-mt-abqaiq-attacked-in-southern-red-sea/> On 3 April 2018, UKMTO received notice that the Merchant Tanker (MT) *Abqaiq*, a Kingdom of Saudi Arabia flagged vessel, had been the victim of an attack in the Southern Red Sea.

Peterside vows to fight sea pirates. By Oluwakemi Dauda. *The Nation (Nigeria)*. 10 April 2018.

Available from: <http://thenationonlineng.net/peterside-vows-to-fight-sea-pirates/> NIMASA Director-General (DG) Dr Dakuku Peterside has vowed to stem the tide of criminalities on territorial waters, develop human capacity, ensure safety of vessels, remove wrecks and mitigate pollution.

Pirate attacks worsen in Gulf of Guinea. *International Chamber of Commerce (ICC)*.

10 April 2018. Available from: <https://www.icc-ccs.org/index.php/1244-pirate-attacks-worsen-in-gulf-of-guinea> A surge in armed attacks against ships around West Africa is pushing up global levels of piracy and armed robbery at sea, warns the ICC's International Maritime Bureau (IMB).

Surge in attacks around West Africa swells global piracy levels. By Abdul Hadhi. *Lloyd's List*.

10 April 2018. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1122149/Surge-in-attacks-around-West-Africa-swells-global-piracy-levels> A surge in armed attacks against ships off West Africa pushed up global piracy levels in the first quarter of 2018 to 66 incidents, compared with 43 and 37 in the first quarters of 2017 and 2016 respectively, the International Maritime Bureau said.

Philippines intensifies operations to rescue sailors; Asia piracy ebbs - ReCAAP.

By Sameer C.Mohindru. *S&P Global Platts*. 13 April 2018. Available from:

<https://www.platts.com/latest-news/shipping/singapore/philippines-intensifies-operations-to-rescue-27957106> The Philippine authorities have intensified its military operations to rescue abducted crew from previous piracy attacks and neutralize the Abu Sayyaf group while the overall such incidents across Asia are on a decline, an anti-piracy watchdog said Friday.

Piracy and armed robbery against ships in Asia: Quarterly Report January-March 2018.

ReCAAP. April 2018. Available from: <https://bit.ly/2JGGQLG> Incidents of piracy and armed robbery against ships in Asia reported during 1st Quarter of 2018 (January-March 2018).

Pirates release three Indian tanker crew. By Gary Dixon. *TradeWinds*. 16 April 2018.

Available from: <http://www.tradewindsnews.com/tankers/1472514/pirates-release-three-indian-tanker-crew> West African pirates have released the last three Indian crew from a wine tanker hijacked in January.

12 crew seized from ForestWave ship. By Michael Juliano and Gary Dixon. *TradeWinds*.

22 April 2018. Available from: <http://www.tradewindsnews.com/casualties/1476665/12-crew-seized-from-forestwave-ship> Dutch operator ForestWave has said 12 crew have been seized from a general cargoship by Nigerian pirates.

PORT STATE CONTROL

The role of Port State Control in the future. By Pradeep Chawla. *Splash 247.Com*. 6 April 2018. Available from: <http://splash247.com/role-port-state-control-future/> Most people in the maritime industry will agree that, in general, the port state control regime has nearly succeeded in eliminating sub-standard ships.

Statement on live exports footage. *Government of Australia*. 8 April 2018. Available from: <http://www.agriculture.gov.au/about/media-centre/media-releases/statement-on-live-exports-footage> Animals Australia footage of sheep aboard a live export vessel shows conditions that are deplorable and unacceptable.

Live exports: Maritime officials block shipment of 65,000 sheep to the Middle East. By Brett Worthington. *ABC (Australia)*. 9 April 2018. Available from: <http://www.abc.net.au/news/2018-04-08/maritime-officials-block-live-export-65000-sheep-to-middle-east/9631602> 📰 The concerns relate to airflow in pens where sheep will travel.

Foreign flagged ships detained in the UK during March 2018 . *UK Maritime & Coastguard Agency*. 11 April 2018. Available from: <https://www.gov.uk/government/news/foreign-flagged-ships-detained-in-the-uk-during-march-2018> During March, there were four new detentions of foreign flagged vessels in a UK port, four vessels remained under detention from previous months.

2017 Port State Control Annual Report posted. *US Coast Guard Maritime Commons*. 13 April 2018. Available from: <http://mariners.coastguard.dodlive.mil/2018/04/13/4-13-2018-2017-port-state-control-annual-report-posted/> This report marks another year of PSC activities and provides the global maritime industry key statistics and compliance trends in relation to compliance with U.S. and international regulations, such as the Safety of Life at Sea (SOLAS), International Convention for the Prevention of Pollution from Ships (MARPOL), and the International Ship and Port Facility Security Code (ISPS). [Port State Control in the United States 2017 Annual Report](#) 📰

Port state control inspections reveal BWMS deficiencies. *Ballast Water Treatment Technology*. 22 April 2018. Available from: http://www.ballastwatermanagement.co.uk/news/view,port-state-control-inspections-reveal-bwms-deficiencies_51494.htm Ships have been detained in Europe and the US because of deficiencies found in their ballast water management systems (BWMSs) and practices, an analysis by BWTT has found.

Policing IMO regulations - the role of Port State Control. By Malcolm Latache. *ShipInsight*. 27 April 2018. Available from: <https://shipinsight.com/policing-imo-regulations/> The prime policing role of IMO conventions and codes lies with the flag states and the usual year between the IMO making or changing a rule and its coming into force is to permit flag states to enact domestic legislation writing the rule into local law.

PORTS & HARBOURS

Regional emissions report shows significant Port of Tacoma-related clean air progress.

Port of Tacoma. 2 April 2018. Available from: <https://www.portoftacoma.com/news-releases/2018-04-02/regional-emissions-report-shows-significant-port-tacoma-related-clean-air> Air pollution related to Port of Tacoma operations has decreased significantly since 2005, according to a regional report released in March.

FMC starts port detention and demurrage probe. *World Maritime News*. 3 April 2018.

Available from: <https://worldmaritimeneews.com/archives/248661> As part of the probe, FMC Commissioner Rebecca Dye has ordered ocean common carriers to provide information and documents explaining those practices.

Officials launch zero-emissions port project. *Port of Long Beach*. 4 April 2018. Available from:

<http://www.polb.com/news/displaynews.asp?NewsID=1716> Officials from the Port of Long Beach, Southern California Edison and the California Energy Commission today launched the nation's largest pilot project for zero-emissions cranes and other cargo-handling equipment for seaports.

Switching fuels for cleaner air. *Hamburg Süd*. 4 April 2018. Available from: <https://bit.ly/2we5joQ>

Hamburg Süd and its Swedish customer Electrolux are teaming up to reduce sulfur dioxide emissions in ports.

Canada Port Authorities need a new culture of security. **By Kevin Quigley.**

Globe and Mail (Canada). 6 April 2018. Available from:

<https://www.theglobeandmail.com/business/commentary/article-canada-port-authorities-need-a-new-culture-of-security/> Seaports have been getting lots of attention lately and are set to get even more.

Ports efficiency improved - GMA. *News Ghana*. 9 April 2018. Available from:

<https://www.newsghana.com.gh/ports-efficiency-improved-gma/> The Memorandum of Understanding Abuja MoU on Port State Control for West and Central African Countries is an agreement among member states to ensure proper supervision and vet all vessels that use ports of member states.

More than M€500 for Le Havre port development. *HAROPA Ports*. 10 April 2018. Available from:

<http://www.haropaports.com/en/more-meu-500-le-havre-port-development> The Supervisory Board approved the accounts of the Port of Le Havre for 2017.

Ports in developing countries require state-of-the-art management.

United Nations Conference on Trade and Development (UNCTAD). 10 April 2018. Available from:

<http://unctad.org/en/pages/newsdetails.aspx?OriginalVersionID=1712> Ports in developing countries must be managed efficiently using modern methods to support international trade and boost local economies, UNCTAD Deputy-Secretary General Isabelle Durand said at a coordination meeting of the French-speaking network of UNCTAD's TrainForTrade port management programme.

Port of Rotterdam Authority calls for North-West European coalition for joint CO2 price.

Port of Rotterdam. 11 April 2018. Available from: <https://www.portofrotterdam.com/en/news-and-press-releases/port-of-rotterdam-authority-calls-for-north-west-european-coalition-for> The Port of Rotterdam Authority is calling on the Dutch Government to form a coalition with countries in North-West Europe so that a joint CO2 price can be introduced.

Improving air quality at UK ports. **By Eva Grey.** *Ship-Technology.Com*. 12 April 2018.

Available from: <https://www.ship-technology.com/features/improving-air-quality-uk-ports/> In December, University Maritime Advisory Services (UMAS) and Ricardo Energy & Environment published a new report for the Department for Business, Energy & Industrial Strategy with some alarming findings: domestic shipping fuel consumption is 250% higher than previously estimated, and as a result, the CO2 emissions are also much higher.

Transport's role in reducing CO2 emissions. *Port of Rotterdam.* 12 April 2018. Available from: <https://www.portofrotterdam.com/en/news-and-press-releases/transport-role-in-reducing-co2-emissions> The Port of Rotterdam Authority is working closely together with the Wuppertal Institute.

Clean air technologies sought for port equipment. *Port of Los Angeles.* 18 April 2018. Available from: <https://bit.ly/2jwYW7b> The Port of Los Angeles and the Port of Long Beach and are offering seed money to foster the development of new goods-movement technologies that improve air quality.

Study: "Belt and Road" Ports align with China's military interests. *Maritime Executive.* 19 April 2018. Available from: <https://www.maritime-executive.com/article/study-belt-and-road-ports-are-intended-for-china-s-navy> A new report by non-profit C4ADS suggests that China's "Belt and Road" seaport projects in the Indo-Pacific may be intended to serve strategic, military objectives.

South Korean ports expand for cruise ships. By Xiaolin Zeng. *Fairplay.* 22 April 2018. Available from: <https://fairplay.ihs.com/construction-infrastructure/article/4297981/south-korean-ports-expand-for-cruise-ships> As South Korea welcomes more visitors arriving by cruise ship, the country's ports have been expanding their cruise terminals to cater to the increase.

African ports: Strengthening Africa's gateways to trade. *PwC (PricewaterhouseCoopers Inc).* April 2018. Available from: <https://www.pwc.co.za/en/publications/african-ports.html> This report was compiled by PwC's Capital Projects and Infrastructure (CP&I) Transport and Logistics team using a combination of information obtained from interviews with port authorities and port operators, together with detailed research and incorporating our extensive knowledge of the port, trade and transport sector. [Report](#) [MAP: Ports of sub-Saharan Africa](#)

ESPO applauds EU role in achieving the IMO agreement on CO2 reduction target for shipping. *European Sea Ports Organisation (ESPO).* 24 April 2018. Available from: <https://www.espo.be/news/espo-applauds-eu-role-in-achieving-the-imo-agreeme> ESPO welcomes the agreement reached at global level within the IMO to peak CO2 emissions from shipping as soon as possible and reduce them by at least 50% by 2050, compared to 2008 levels.

Better connections to ports to help business growth. *UK Government.* 24 April 2018. Available from: <https://www.gov.uk/government/news/better-connections-to-ports-to-help-business-growth> Better connections to English ports could help businesses thrive and boost the nation's economy, a new study published today shows.

Transport connectivity to ports: review of the current status and future infrastructure recommendations. *UK Government.* 24 April 2018. Available from: <https://www.gov.uk/government/publications/transport-connectivity-to-ports-review-of-the-current-status-and-future-infrastructure-recommendations> The 'Port Connectivity: the current picture' report includes the 9 regional case studies used to inform the recommendations.

Report: Panama Canal eyes fivefold increase in LNG shipments by 2020. *World Maritime News.* 23 April 2018. Available from: <https://worldmaritimenews.com/archives/250712> This would be a fivefold increase in yearly handling of LNG for the canal authority when compared to figures from 2017.

City of Antwerp and Antwerp Port Authority start urban mission to Moscow and St. Petersburg. *Port of Antwerp.* 23 April 2018. Available from: <http://www.portofantwerp.com/en/news/city-antwerp-and-antwerp-port-authority-start-urban-mission-moscow-and-st-petersburg> An Antwerp delegation led by Mayor Bart De Wever is on an urban mission in Russia from 23 to 28 April visiting Moscow and St. Petersburg aiming to consolidate and expand the close trade relations between Russia and Antwerp and its seaport.

Port of Rotterdam Authority launches new Pronto application. *Port of Rotterdam*. 18 April 2018. Available from: <https://www.portofrotterdam.com/en/news-and-press-releases/port-of-rotterdam-authority-launches-new-pronto-application> Today, the Port of Rotterdam Authority presented the first version of its new digital application Pronto.

Floating dry dock to be established in Jamaica. By Peta-Gay Hodges. *Jamaica Information Service*. 24 April 2018. Available from: <http://jis.gov.jm/floating-dry-dock-to-be-established-in-jamaica/> Within the next 18 months, a floating dry dock is to be established in Jamaica to improve the country's competitiveness in providing wide-ranging ancillary services to ships traversing the east/west and north/south international shipping lanes.

Transport Unions criticise port operator after another quayside accident. *Handy Shipping Guide*. 25 April 2018. Available from: http://www.handyshippingguide.com/shipping-news/transport-unions-criticise-port-operator-after-another-quayside-accident_9018 Good and bad news from the maritime union sector this week with the International Transport Workers' Federation (ITF) severely criticising one international port operator over safety concerns after one of its workers was critically injured, whilst applauding what appears to be an amicable pay settlement with another.

VOS Apollo and VOS Theia: The maritime lifelines flowing through the waters of the Gulf of Aden. *Logistics Cluster*. 26 April 2018. Available from: <http://www.logcluster.org/blog/vos-apollo-and-vos-theia-maritime-lifelines-flowing-through-waters-gulf-aden> Lionel is based in Djibouti and from there he manages the voyages of the WFP-chartered vessels *VOS Apollo* and *VOS Theia*.

REGULATIONS

Uncertainty looms over marine fuel sulfur limit: Fuel for Thought. *S&P Global Platts*. 2 April 2018. Available from: <http://blogs.platts.com/2018/04/02/uncertainty-looms-marine-fuel-sulfur-limit/> In about 20 months, the shipping industry is going to start burning a fuel that today they know next to nothing about.

Shipping industry unprepared for IMO2020, say commodity traders. *Ship & Bunker*. 2 April 2018. Available from: <https://shipandbunker.com/news/world/709120-shipping-industry-unprepared-for-imo2020-say-commodity-traders> The Shipping industry is not prepared for the upcoming IMO2020 rule that from January 1, 2020 will see the global sulfur cap on marine fuel fall to 0.50%, some of the world's global commodity giants have said.

The Polar Code, one year on. By Mia Bennett. *Maritime Executive*. 6 April 2018. Available from: <https://www.maritime-executive.com/magazine/the-polar-code-one-year-on> On January 1, 2017, the International Maritime Organization's (IMO) Polar Code came into effect.

Drewry IMO2020 Survey: Only 66% of shipowners believe 0.50% sulfur cap will be enforced as planned from 2020. *Ship & Bunker*. 9 April 2018. Available from: <https://shipandbunker.com/news/world/401553-drewry-imo2020-survey-only-66-of-shipowners-believe-050-sulfur-cap-will-be-enforced-as-planned-from-2020> Despite repeated assurance from the International Maritime Organization (IMO) that there will be no delay to the start of IMO2020, one third of shipowners responding to a recent survey by Drewry indicated they are still not convinced a global 0.50% sulfur cap on marine fuel will come into effect as planned from January 1, 2020

Compliance to the IMO 2020 rule to be 'quite high' post-2020 despite concerns: MECL MD. By Surabhi Sahu. *S&P Global Platts*. 10 April 2018. Available from: <https://www.platts.com/latest-news/shipping/singapore/compliance-to-the-imo-2020-rule-to-be-quite-high-27953000> Compliance to the International Maritime Organization's global sulfur cap rule will likely be 'quite high,' with the level expected to settle around 85%-90% in the initial years after 2020, Marine and Energy Consulting Limited Managing Director Robin Meech said at an S&P Global Platts event last week.

Shipping fuel costs to spike 25 percent in 2020 on sulfuric cap: WoodMac. By Libby George. *Reuters*. 11 April 2018. Available from: <https://uk.reuters.com/article/us-shipping-fuel-costs/shipping-fuel-costs-to-spike-25-percent-in-2020-on-sulfuric-cap-woodmac-idUKKBN1HI1AT> Global shipping fuel costs are likely to rise by a quarter, or \$24 billion, in 2020 when new rules limiting sulfur kick in, consultants Wood Mackenzie said on Wednesday.

Shippers may be flouting container weight rules, officials say. By Stephen Cousins. *Fairplay*. 13 April 2018. Available from: <https://fairplay.ihs.com/containers/article/4300101/shippers-may-be-flouting-container-weight-rules-officials-say> Inadequate policing of SOLAS-verified gross mass (VGM) regulations may be encouraging shippers to flout the rules, senior figures from across the supply chain have claimed.

Older vessels to be phased out within two to three years of IMO sulphur cap. By Keith Wallis. *Fairplay*. 16 April 2018. Available from: <https://fairplay.ihs.com/bulk/article/4300106/older-vessels-to-be-phased-out-within-two-to-three-years-of-imo-sulphur-cap> The International Maritime Organization's stringent global cap on sulphur emissions and a sharp rise in fuel bills could encourage further demolition of older vessels when emission regulations come into force from 1 January 2020.

Netherlands signs emission reduction deal for inland shipping sector. *Ship-Technology.Com*. 17 April 2018. Available from: <https://www.ship-technology.com/news/netherlands-signs-emission-reduction-deal-inland-shipping-sector/> The newly signed Declaration of Nijmegen aims to reduce carbon dioxide (CO₂) emissions from the inland shipping sector by 20% over the next 12 years.

LNG as a fuel won't meet strict carbon regulations - analyst. By Joseph Keefe. *Maritime Propulsion*. 17 April 2018. Available from: <https://www.maritimepropulsion.com/news/lng-fuel-won-meet-536448> The International Maritime Organization (IMO) on Friday reached an agreement to cut carbon dioxide (CO₂) emissions by at least 50 percent by 2050 compared with 2008 levels.

Interactive guide to IMO2020 bunker supply launched. *Ship & Bunker*. 18 April 2018. Available from: <https://shipandbunker.com/news/world/956466-interactive-guide-to-imo2020-bunker-supply-launched> NSI today has launched a new interactive guide that gives a graphical overview of suppliers' plans in the pre and post IMO2020 bunker markets.

How to comply with high-sulphur fuel ban? *World Maritime News*. 18 April 2018. Available from: <https://worldmaritimeneeds.com/archives/249796> Owners, operators, masters or chief engineers found guilty of transporting non-compliant fuels intended for burning in marine engines could face stringent financial penalties and possible imprisonment if IMO adopts the high-sulphur fuel ban.

Limit sulfur in shipping fuel, but not so fast. By Philip K. Verleger. *Bloomberg*. 18 April 2018. Available from: <https://www.bloomberg.com/view/articles/2018-04-18/limit-sulfur-in-shipping-fuel-but-not-so-fast> A 2020 deadline would cause oil prices to spike.

Future of scrubbers still shrouded by dark clouds ahead of IMO 2020 rule. By Surabhi Sahu. *S&P Global Platts*. 19 April 2018. Available from: <https://www.platts.com/latest-news/shipping/singapore/feature-future-of-scrubbers-still-shrouded-by-26943462> The uptake of scrubbers ahead of the International Maritime Organization's sulfur cap rule is expected to be limited and puts its viability as an immediate solution for compliance in question, industry sources said.

IMO2020: Less sulphur, more risk? By Alvin Forster. *Ship & Bunker*. 20 April 2018. Available from: <https://shipandbunker.com/news/world/962157-imo2020-less-sulphur-more-risk> There has long been a history of engine damage caused by excessive levels of cat fines in marine residual fuel oils.

IMO 2020 Rule: Enforcement. By Ralph Grimmer. *Ship & Bunker.* 23 April 2018.

Available from: <https://shipandbunker.com/news/world/876981-imo-2020-rule-enforcement>

The International Maritime Organization (IMO) is moving forward with a marked reduction in the maximum sulfur content of marine fuel (bunker fuel oil) from 3.5% to 0.5% on January 1, 2020.

Air quality experts urge Spanish government to support Emission Control Area in the Mediterranean. *Hellenic Shipping News.* 24 April 2018. Available from:

<https://www.hellenicshippingnews.com/air-quality-experts-urge-spanish-government-to-support-emission-control-area-in-the-mediterranean/>

The German organisation, Control Nature and Biodiversity Conservation Union (henceforth NABU), together with Ecologists in Action, have carried out measurements of atmospheric emissions from sea traffic in the Strait of Gibraltar and Barcelona, finding that the levels of pollution in both areas are up to 70 times higher than the base level of pollution in most urban areas.

SMW: Shipping needs more regulation, not less, says Ince & Co partner. *Lloyd's List.*

26 April 2018. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1122372/SMW-Shipping-needs-more-regulation-not-less-says-Ince-Co-partner> Shipping needs more regulation not less, but it must proactively deal with cyber risk and digitalisation before a regional patchwork of legislation takes hold.

MPA extends mandatory use of mass flow meters to distillates delivery.

Maritime and Port Authority of Singapore (MPA). 27 April 2018. Available from:

<https://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/beae3877-f7c6-48f4-9996-9b90928bb331>

Following the successful completion of test-bedding the use of mass flow metering (MFM) system for delivery of distillates, the MPA will extend the mandatory use of MFM to all bunker tankers delivering distillates in the Port of Singapore from 1 July 2019.

What happens when international trade emissions are regulated? By Jesse Mulligan.

Radio New Zealand. 27 April 2018. Available from:

<http://www.radionz.co.nz/national/programmes/afternoons/audio/2018642478/what-happens-when-international-trade-emissions-are-regulated>

A leading energy research group says more attention needs to be paid to what regulations on emissions from international shipping and aviation could do to this country's wellbeing.

SALVAGE

Salvage crews getting ready to remove *Kea Trader* wreck in South Pacific. *gCaptain.*

3 April 2018. Available from: <http://gcaptain.com/salvor-crews-getting-ready-to-remove-kea-trader-wreck-in-south-pacific/> Shanghai Salvage Company has started moving personnel and resources to New Caledonia to carry out the final removal of the stricken cargo ship *Kea Trader* from a reef now eight months after its initial grounding, the shipowner Lomar Shipping said in an update Tuesday.

MV *Southern Phoenix* salvage contract awarded. By Nacanieli Tuilevuka. *Fiji Sun Online.*

25 April 2018. Available from: <https://fijisun.com.fj/2018/04/25/mv-southern-phoenix-salvage-contract-awarded/> The four week reinvestigation of the sunken *MV Southern Phoenix* has been completed so says Maritime Safety Authority of Fiji (MSAF) chief executive officer John Tunidau.

SEAFARERS

Crew connectivity 2018 survey results. By Lili Nguyen. *Knect365 Maritime*. 28 March 2018. Available from: <https://knect365.com/maritime/article/37c4946d-cae7-4749-98dd-a4bc1f5b11e8/crew-connectivity-2018-survey-results> Driven by shipping's digital transformation, connectivity has been at the forefront of seafarer welfare, and in recent years, it was found that connectivity is an important aspect of a seafarer's choice of employer.

2018 Crew Connectivity Survey Report. *Futureonautics*. March 2018. Available from: <http://www.crewconnectivity.com/?product=2018-crew-connectivity-survey-report> Since 2012 the Crew Connectivity Survey Report from Futureonautics Maritime has become an industry standard, used by seafarers and ship operators to benchmark the connectivity on board vessels and by a huge range of maritime stakeholders to understand the increasing impact of connectivity not just on ship board life, but also on operational efficiency, safety, security, productivity and how such digital infrastructure is shaping the industry's emerging future.

Indian Seafarers facing trouble in UAE-reg. *Government of India*. 26 March 2018. Available from: http://dgshipping.gov.in/writereaddata/News/201803270448064988311cir_crew_270318.pdf It has been reported to this Directorate that Indian seafarers are stranded at Dubai for last 22 months due to abandonment by the owners / recruiting agencies.

India blacklists UAE companies. By Gary Dixon. *TradeWinds*. 2 April 2018. Available from: <http://www.tradewindsnews.com/tankers/1463995/india-blacklists-uae-companies> The government of India has blacklisted two UAE shipping and crew recruitment companies after Indian seafarers were allegedly abandoned in Dubai.

Once a hostage, Sri Lankan sailor now helps battle Somali pirates. By Jason Patinkin. *Voice of America*. 5 April 2018. Available from: <https://www.voanews.com/a/somalia-pirate-hostage-sarath-surasena/4333930.html> In a classroom overlooking the harbor in the Somali city of Bossaso, Sarath Surasena teaches the basics of boat mechanics.

India signs MoU with Republic of Korea on Mutual Recognition of Certificates of Competency of Seafarers in Busan today. *Government of India*. 10 April 2018. Available from: <http://pib.nic.in/newsite/PrintRelease.aspx?relid=178569> This paves the way for the two governments to mutually recognize the certificates of maritime education and training, competency, endorsements and medical fitness of seafarers issued by each other.

Indian seafarers to sail on South Korean ships. *Maritime Executive*. 11 April 2018. Available from: <https://maritime-executive.com/article/indian-seafarers-to-sail-on-korean-ships> India has signed an MoU with South Korea that allows for the mutual recognition of Certificates of Competency of seafarers.

Stop putting seafarers lives at risk. By Nidaa Bakhsh. *Lloyd's List*. 11 April 2018. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1122177/Stop-putting-seafarers-lives-at-risk> Why is it that when seafarers lose their lives, so few seem to care?

Viewpoint: Another great depression. By Michael Grey. *Lloyd's List*. 13 April 2018. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1122063/Viewpoint-Another-great-depression> Should we be surprised by increased mental illness afloat and a rise in seafarer suicides, considering the way we expect crews to live these days?

ITF Inspectors help repatriate abandoned Ukrainian Seafarers. *International Transport Workers' Federation (ITF)*. 12 April 2018. Available from: <http://www.itfglobal.org/en/news-events/press-releases/2018/april/itf-inspectors-help-repatriate-abandoned-ukrainian-seafarers/> In January 2018 the 16 Ukrainian crew members of the Bahrain flagged vessel, Avonmoor, were abandoned in the Port of Casablanca, Morocco, leaving them without wages, provisions, fuel and first aid supplies.

Shore leave: will a new standard protect seafarer rights? By Patrick Kingsland.

Ship-Technology.Com. 23 April 2018. Available from: <https://www.ship-technology.com/features/shore-leave-will-new-standard-protect-seafarer-rights/> International maritime law is supposed to protect the right to shore leave, but since 9/11 many seafarers have found this right eroded by an increasingly security-focused industry.

Winners announced at International Seafarers' Welfare Awards in Geneva.

International Seafarers' Welfare and Assistance Network (ISWAN). 24 April 2018. Available from: <http://seafarerswelfare.org/news-and-media/latest-news/winners-announced-at-international-seafarers-welfare-awards-in-geneva> The awards honour those who have offered exceptional levels of welfare services and facilities to seafarers.

Sailors' Society's 200th anniversary service. Sailors' Society. 26 April 2018. Available from:

<https://www.sailors-society.org/about-us/press-room/200th-anniversary/> More than 500 guests joined the world's oldest maritime welfare charity as it marked its 200th anniversary at Southwark Cathedral earlier this week (24 April).

Ground-breaking discourse with the IMO on Abandonment of Seafarers.

International Transport Workers' Federation (ITF). 27 April 2018. Available from: <http://www.itfglobal.org/en/news-events/news/2018/april/ground-breaking-discourse-with-the-imo-on-abandonment-of-seafarers/> On 24 April 2018, during the 105th session of Legal Committee at main hall of the International Maritime Organization (IMO), an International Transport Workers' Federation (ITF) delegation delivered a presentation regarding ongoing cases and outcomes of the latest data analysis of the ILO/IMO database on reported incidents of abandonment of seafarers.

South Korean sailors kidnapped in Africa released after 32 days. Korea Herald (South Korea).

28 April 2018. Available from: <http://www.koreaherald.com/view.php?ud=20180428000016> Three South Korean sailors kidnapped in seas off Ghana last month have been released safely, the Ministry of Foreign Affairs said Saturday.

A seafarer's best friend: top apps to use at sea. By Eva Grey. Ship-Technology.Com.

30 April 2018. Available from: <https://www.ship-technology.com/features/seafarers-best-friend-top-apps-use-sea/> In March this year, a new study by international maritime charity Sailors' Society and Yale University revealed that more than a quarter of seafarers show signs of depression, while 45% of them had not approached anybody for help.

Survey finds future seafarers will need more sophisticated skillsets. Splash 247.Com.

30 April 2018. Available from: <https://splash247.com/survey-finds-future-seafarers-will-need-sophisticated-skillsets/> The ship of the future will require more sophisticated skillsets from seafarers than is the case today.

SEARCH & RESCUE

Three days of complex operations in the Central Mediterranean: SOS MEDITERRANEE calls on European and international authorities to urgently clarify framework underlying Libyan Coast Guard intervention in international waters. *SOS Mediterranee*. 1 April 2018. Available from: <https://bit.ly/2HT4of8> Whilst patrolling on Thursday 29 March, 25 nautical miles off the Libyan coast, the Aquarius rescue team located a rubber boat in distress.

Social Media could boost search and rescue operations. By Abdelkhalik Kamal Eldin Soliman Selmy. *Maritime Executive*. 2 April 2018. Available from: <https://www.maritime-executive.com/editorials/social-media-could-boost-search-and-rescue-operations> Over 2,480 people died in marine disasters in 2015, and the financial cost of these disasters was \$1.7 billion.

UK P&I Club Supports IMRF Maritime Mass Rescue Projects. *International Maritime Rescue Federation.* 10 April 2018. Available from: <https://international-maritime-rescue.org/10-news/2607-uk-p-i-club-supports-imrf-maritime-mass-rescue-projects> The UK P&I Club has made a significant donation to the International Maritime Rescue Federation (IMRF) to support its work developing resources, training and building preparedness for maritime mass rescue operations.

MOL crude oil tanker rescues a castaway - One drifting survivor rescued safely in the South China Sea. *Mitsui O.S.K.Lines (MOL).* 23 April 2018. Available from: <http://www.mol.co.jp/en/pr/2018/18025.html> President & CEO: Junichiro Ikeda today announced that on April 14, 2018, the MOL-operated/managed crude oil tanker *ALTAIR TRADER* safely rescued a castaway in the South China Sea.

SHIP RECYCLING

Notice to stakeholders - Withdrawal of the United Kingdom and the EU ship recycling regulation. *European Commission.* 28 March 2018. Available from: https://ec.europa.eu/info/sites/info/files/notice_to_stakeholders_brexit_ship_recycling_final.pdf The United Kingdom submitted on 29 March 2017 the notification of its intention to withdraw from the Union pursuant to Article 50 of the Treaty on European Union.

UK will be exempt from EU shiprecycling rules after Brexit . *By Adam Corbett. TradeWinds.* 5 April 2018. Available from: <http://www.tradewindsnews.com/casualties/1463824/uk-will-be-exempt-from-eu-shiprecycling-rules-after-brexit> Europe's upcoming and controversial Ship Recycling Regulation (SRR) will not apply to the UK after its withdrawal from the European Union, authorities have told shipowners.

Five facts about sustainable ship recycling. *By Kanu Priya Jain. Maritime Executive.* 16 April 2018. Available from: <https://www.maritime-executive.com/editorials/five-facts-about-sustainable-ship-recycling> Despite recycling a majority of tonnage annually, South Asian countries have been repeatedly questioned about the environmental viability of such activity.

Financial institutions buying into mandate for safer shipbreaking practices. *By Matt Miller. American Journal of Transportation (AJOT).* 23 April 2018. Available from: <https://www.ajot.com/premium/ajot-financial-institutions-buying-into-mandate-for-safer-shipbreaking-practices> In January, Norway's Government Pension Fund Global, the world's largest sovereign wealth fund, announced it would stop investing in four shipping lines.

Shipbreaking: breaking badly. *By Matt Miller. American Journal of Transportation (AJOT).* 23 April 2018. Available from: <https://www.ajot.com/premium/ajot-shipbreaking-breaking-badly> To understand global shipbreaking, and all its complexities, it's necessary to fathom everything from the price of steel in India to lack of demand for ferrous scrap in China, from construction practices in Bangladesh to manufacturing practices in Turkey, from bankruptcy protocol in Germany to various government subsidies around the world.

More sustainable scrapping of ships: KfW IPEX-Bank joins Responsible Ship Recycling Standards. *KfW IPEX Bank.* 25 April 2018. Available from: <https://bit.ly/2JRSPp7> Hundreds of ships are decommissioned and scrapped every year.

Platform publishes South Asia quarterly update #15. *NGO Shipbreaking Platform.* 27 April 2018. Available from: <https://bit.ly/2r4aXEd> There were a total of 206 ships broken in the first quarter of 2018.

SHIPBUILDING & SHIPREPAIR

Seoul unveils five-year plan to save its maritime sector. By Xiaolin Zeng. *Fairplay*. 5 April 2018. Available from: <https://fairplay.ihs.com/commerce/article/4299771/seoul-unveils-five-year-plan-to-save-its-maritime-sector> The South Korean government officially announced the implementation of a five-year plan that aims to generate KRW51 trillion (USD48 billion) of revenue by 2022 to resuscitate the country's battered maritime industry.

Local shipbuilders get ready to rebound. *Korea JoongAng Daily (South Korea)*. 13 April 2018. Available from: <http://koreajoongangdaily.joins.com/news/article/article.aspx?aid=3046880> The shipbuilding industry is heading for a recovery last week, as the shipyards of Korea's southeast coast may soon be teeming with activity again.

Up to 44% of shipowners considering LNG power for newbuilds. By Marcus Hand. *Seatrade Maritime News*. 19 April 2018. Available from: <http://www.seatrade-maritime.com/news/europe/up-to-44-of-shipowners-considering-lng-power-for-newbuilds.html> LNG is one of the possible ways to comply with the global 0.5% sulphur cap for marine fuel from 1 January 2020.

Why CMA CGM ordered 'game changing' 22,000 teu LNG-powered containerships. By Marcus Hand. *Seatrade Maritime News*. 30 April 2018. Available from: <https://bit.ly/2JF0ZRY> Last week Seatrade Maritime News sat down for a fireside chat with Nicolas Sartini, ceo of APL, part of the CMA CGM Group, about the game changing decision by the French container line to order nine LNG-fuelled, 22,000 teu capacity containerships.

SHIPPING

Shipping industry sells out on Paris agreement on eve of UN talks. *Transport & Environment*. 29 March 2018. Available from: <https://www.transportenvironment.org/press/shipping-industry-sells-out-paris-agreement-eve-un-talks> A call by the shipping industry for governments to compromise on ambition ahead of key UN discussions to reduce maritime emissions actually abandons the goals of the Paris agreement, sustainable transport group Transport & Environment (T&E) has said.

Shipping faces demands to cut CO2. By Roger Harrabin. *BBC News*. 31 March 2018. Available from: <http://www.bbc.co.uk/news/science-environment-43584963> A meeting of the International Maritime Organisation in London next week will face demands for shipping to radically reduce its CO2 emissions.

2035 and all that: Global warming, shipping emissions and acronym soup. By Andrew Craig-Bennett. *Splash 247.Com*. 3 April 2018. Available from: <http://splash247.com/2035-global-warming-shipping-emissions-anagram-soup/> Before diving into the acronym soup in which this subject floats, I would like to say something: When I last wrote on this subject, I found myself being "trolled" by several people, including someone who thought it would be a good idea to try to get me fired from my day job.


Slowly but surely, the shipping industry is fulfilling its lobbying potential. By Jonathan Roberts. *UK Chamber of Shipping*. 3 April 2018. Available from: <https://www.ukchamberofshipping.com/latest/slowly-surely-shipping-industry-fulfilling-its-lobbying-potential/> It is not that long ago that the shipping industry had no national profile whatsoever.

Transport Minister inaugurates Ghana Chamber of Shipping. *GhanaWeb*. 3 April 2018. Available from: <https://www.ghanaweb.com/GhanaHomePage/business/Transport-Minister-inaugurates-Ghana-Chamber-of-Shipping-639781> The Ghana Chamber of Shipping, a new trade association which is focused on championing the interest of the shipping industry in the country has been launched.

Charting a course for GHG emissions and the shipping sector. By Dominik Englert.

World Bank. 4 April 2018. Available from: <https://blogs.worldbank.org/climatechange/charting-course-ghg-and-shipping-sector> When the International Maritime Organization (IMO) meets in London this week, the stakes are high.

IBIA supports industry with best practice guidance to assure bunker fuel quality.

International Bunker Industry Association (IBIA). 4 April 2018. Available from: <https://ibia.net/ibia-supports-industry-with-best-practice-guidance-to-assure-bunker-fuel-quality/> The International Bunker Industry Association is proud to present the first edition of our "Best practice guidance for suppliers for assuring the quality of bunkers delivered to ships" which has been developed in response to a call from the International Maritime Organization.
[Best practice guidance for suppliers for assuring the quality of bunkers delivered to ships](#) 

ESPO supports EU position on IMO CO2 negotiations. *European Sea Ports Organisation*

4 April 2018. Available from: <https://www.espo.be/news/espo-supports-eu-position-on-imo-co2-negotiations> The International Maritime Organization (MEPC 72) is expected to adopt its Initial GHG Strategy for shipping by the end of next week.

Maritime gender pay reports reveal scale of gap. By Helen Kelly. *Lloyd's List*. 4 April 2018.

Available from: <https://loydlist.maritimeintelligence.informa.com/LL1122076/Maritime-gender-pay-reports-reveal-scale-of-gap> UK companies reporting their gender pay gap data on deadline day are in a race to the bottom, with some of the biggest differentials in pay being made public at the eleventh hour.

Shipping is part of the climate problem. *Bloomberg*. 5 April 2018. Available from:

<https://www.bloomberg.com/view/articles/2018-04-05/greener-shipping-can-help-fight-climate-change> When almost all the world's governments agreed in Paris more than two years ago to address climate change, they sidestepped an important issue: carbon emissions from international shipping.

Why shipping needs to shape up for the climate. By Veronica Frank. *Greenpeace International*.

5 April 2018. Available from: <https://www.greenpeace.org/international/story/15757/shipping-needs-to-shape-up-climate/> It's essential for transporting goods across the world, but the shipping industry has so far escaped strict regulations to clean up its climate-polluting emissions due to aggressive industry lobbying and a lack of public scrutiny.

Shipping's heavy fuel oil puts the Arctic at risk. Could it be banned? By Sabrina Shankman.

InsideClimate News. 6 April 2018. Available from: <https://insideclimatenews.org/news/06042018/arctic-ocean-ships-heavy-fuel-oil-spills-climate-change-emissions-marine-shipping-imo-ban> Heavy fuel oil-the molasses-like sludge left after the oil refining process- is among the dirtiest fuels on the planet, and yet its use by ships is widespread in the Arctic, a pristine environment where it could do significant harm.

Polluters on the High Seas. By Hilda Heine and Christiana Figueres. *New York Times*.

6 April 2018. Available from: <https://www.nytimes.com/2018/04/06/opinion/greenhouse-gases-international-shipping.html> International shipping is the backbone of our global trading system.

Canada not on board with plan to ban 'dirty fuel' use on Arctic shipping routes.

Canadian Broadcasting Corporation (CBC). 6 April 2018. Available from: <http://www.cbc.ca/news/canada/north/canada-dirty-fuel-arctic-route-1.4608553> The Canadian government wants more study on the impact of eliminating heavy fuel oil in the Arctic before it signs onto an international agreement to ban its use there.

IN THE KNOW Podcast 4: DNV GL on the Future of Shipping. *Maritime Executive*. 6 April 2018. Available from: <https://www.maritime-executive.com/podcast/in-the-know-podcast-4-dnv-gl-on-the-future-of-shipping> For this edition of the "In the Know" podcast, MarEx editor-in-chief Tony Munoz spoke with Knut Ørbeck-Nilssen, the CEO of DNV GL – Maritime and the current chairman of the International Association of Class Societies, about the future of class in shipping.

Four questions for shipping's decarbonisation strategy. By Anastassios Adamopoulos. *Lloyd's List*. 8 April 2018. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1122100/Four-questions-for-shippings-decarbonisation-strategy> By the end of this week, international shipping should have a five-year strategy to reduce its greenhouse gas emissions as delegates meet at the International Maritime Organization in London to hammer out the contentious details.

Customers of shipping expect considerable progress on CO2. *Maritime Executive*. 8 April 2018. Available from: <https://www.maritime-executive.com/article/customers-of-shipping-expect-considerable-progress-on-co2> In the debate on decarbonizing the shipping industry underway at IMO headquarters this week and last week, the voice of the industry's customers, shippers, can get left out, says Global Shippers' Forum (GSF) Secretary General, Chris Welsh.

Could shipping face legal action if the IMO dithers on carbon emission regulations? By Paul Stuart-Smith. *Fairplay*. 9 April 2018. Available from: <https://fairplay.ihs.com/safety-regulation/article/4299841/could-shipping-face-legal-action-if-the-imo-dithers-on-carbon-emission-regulations> Pressure on members of the International Maritime Organization (IMO) to reach agreement on an ambitious strategy to reduce greenhouse gas (GHG) emissions from ships has continued to build ahead of the 72nd meeting of the Marine Environment Protection Committee (MEPC), which takes place this week at IMO headquarters in London.

Shipping industry needs an alternative to fossil fuels, but which one? *University of Manchester* 9 April 2018. Available from: <http://www.manchester.ac.uk/discover/news/shipping-industry-needs-an-alternative-to-fossil-fuels-but-which-one/> The shipping industry needs to move to renewable and alternative fuels to reduce the sector's impact on the environment.

Shipping industry decision on carbon emissions looms. *Radio New Zealand*. 9 April 2018. Available from: <http://www.radionz.co.nz/international/pacific-news/354532/shipping-industry-decision-on-carbon-emissions-looms> The IMO will meet later this week in London where Pacific and European countries are seeking commitment to cut the sector's greenhouse gas emissions 70-100 percent from 2008 levels by 2050.

Plea for action on shipping emissions. By David Shukman. *BBC News*. 9 April 2018. Available from: <http://www.bbc.co.uk/news/science-environment-43701631> A minister from the Marshall Islands warned that the future of his low-lying Pacific country was at stake.

Shipping industry faces calls to clean up emissions. *BBC News*. 9 April 2018. Available from: <http://www.bbc.co.uk/news/business-43696900> The International Maritime Organisation's environment committee is meeting in London this week to try to agree a global plan for reducing emissions levels.

The shipping sector has the technology to go green, it just needs the policy signal. By James Mitchell. *Climate Home News*. 9 April 2018. Available from: <http://www.climatechangenews.com/2018/04/09/shipping-sector-technology-go-green-just-needs-policy-signal/> The industry is also a large emitter - accounting for around 2.4% of global greenhouse gas (GHG) emissions, equivalent to Germany.

The race against time. By Diane Gilpin. *Splash 247.Com*. 10 April 2018. Available from: <http://splash247.com/the-race-against-time/> In geological time humankind is a relatively young species and we are coming of age.

Ready or not, AI as augments, disruptor of container shipping is coming. By Vincent Wee.

Seatrade Maritime News. 10 April 2018. Available from: <http://www.seatrade-maritime.com/news/asia/ready-or-not-ai-as-augments-disruptor-of-container-shipping-is-coming.html> "Digitalization is impacting every industry and ocean container shipping is no different," the authors of the paper, president and coo Inna Kuznetsova, cto Peter Spellman and interim head of product management Karim Jumma, asserted.

The shipping industry is killing us: Opinion. By Felipe Calderon. Newsweek.

Newsweek. 10 April 2018. Available from: <http://www.newsweek.com/shipping-industry-killing-us-opinion-877607> When we talk about shipping, as 173 countries will be doing at the International Maritime Organisation (IMO) meeting in London this week, we have to talk about the health of the oceans.

EU adds pressure on governments to resist watering down climate targets.

By Richard Meade. *Lloyd's List*. 10 April 2018. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1122163/EU-adds-pressure-on-governments-to-resist-watering-down-climate-targets> Compromise agreements on greenhouse emission reduction targets for shipping being hammered out at the International Maritime Organization in London this week will not be enough to ward off the threat of unilateral regional action from the European Union in their current form, according to a group of leading members of the European Parliament.

Shipping sector to weigh the effects of Arctic heavy fuel oil ban. By Sara Stefanini.

Climate Home News. 12 April 2018. Available from: <http://www.climatechangenews.com/2018/04/12/shipping-sector-weigh-effects-arctic-heavy-fuel-oil-ban/> Environmental advocates welcomed the International Maritime Organization's (IMO's) decision on Wednesday to order a technical group to look at the issue.

IMF aims to nudge Xi Silk Road plan away from spending spree. Bloomberg.

Bloomberg. 12 April 2018. Available from: <https://www.bloomberg.com/news/articles/2018-04-12/lagarde-warns-china-to-avoid-waste-in-giant-infrastructure-plan> The International Monetary Fund is cautiously climbing aboard President Xi Jinping's signature Belt and Road infrastructure plan, with the goal of preventing it from becoming a wasteful splurge on white-elephant projects.

Shipping faces \$60bn extra bunker bill post 2020. By Dale Wainwright. TradeWinds.

12 April 2018. Available from: <http://www.tradewindsnews.com/tankers/1470675/shipping-faces-usd-60bn-extra-bunker-bill-post-2020> Global bunker fuel costs could rise by up to \$60bn annually from 2020 when the IMO's sulphur cap for bunker fuels kicks in, says Wood Mackenzie.

Five ways the shipping industry can reduce its carbon emissions. By Paul Gilbert.

University of Manchester 13 April 2018. Available from: <http://www.manchester.ac.uk/discover/news/five-ways-the-shipping-industry-can-reduce-its-carbon-emissions/> A shipping industry summit is looking into how it can reduce its share of global greenhouse gas emissions in line with the Paris Agreement.

Clean Arctic Alliance hails IMO move to ban heavy fuel oil from Arctic shipping.

Clean Arctic Alliance. 13 April 2018. Available from: <http://www.hfofreearctic.org/en/2018/04/13/clean-arctic-alliance-hails-imo-move-to-ban-heavy-fuel-oil-ban-from-arctic-shipping/> The Clean Arctic Alliance applauded progress by International Maritime Organization member states today towards banning use of the world's dirtiest fuel – heavy fuel oil – from Arctic shipping.

Reducing shipping industry's carbon emissions is 'major progress'.

University College London (UCL). 13 April 2018. Available from: <http://www.ucl.ac.uk/news/news-articles/0418/13042018-shipping> Low carbon shipping expert, Dr Tristan Smith, (UCL Energy Institute), has welcomed the International Maritime Organisation's (IMO) commitment to significantly cut the industry's greenhouse gas (GHG) emissions by 2050, calling the proposals 'major progress'.

Interferry welcomes immediate application of IMO's EEDI correction. *Interferry*. 13 April 2018. Available from: <http://www.interferry.com/interferry-welcomes-immediate-application-of-imos-eedi-correction/> Confirmation by the International Maritime Organization of a 20% correction in its Energy Efficiency Design Index (EEDI) calculation formula for ro-ro and ro-pax vessels has been welcomed by trade association Interferry as an incentive to revive newbuild projects that have been inhibited by the current criteria.

Global shipping sector steps up, sets climate targets and bans use of heavy fuel oil in Arctic. *WWF*. 13 April 2018. Available from: http://wwf.panda.org/what_we_do/footprint/climate_carbon_energy/?326172/shipping-climate-wwf In a landmark step forward for the goals set out in the Paris Agreement, the International Maritime Organization (IMO) today agreed to climate targets for the sector, as part of its first comprehensive greenhouse gas emissions (GHG) reduction strategy.

Live export trade faces a Kangaroo Court. **By Wendy Laursen.** *Maritime Executive*. 15 April 2018. Available from: <https://www.maritime-executive.com/article/live-export-trade-faces-a-kangaroo-court> A second 60 Minutes program has aired in Australia: this time showing Animals Australia footage of sheep being beaten, dragged and thrown outside an abattoir in Qatar.

Arctic heavy fuel oil ban gains traction. **By Sam Chambers.** *Splash 247.Com*. 16 April 2018. Available from: <https://splash247.com/arctic-heavy-fuel-oil-ban-gains-traction/> As well as the historic first ever cap on greenhouse gas emissions agreed last week at the International Maritime Organization (IMO), member states also took steps towards banning the use of heavy fuel oil from Arctic shipping.

Pacific at forefront of shipping industry emissions reductions. *Radio New Zealand*. 16 April 2018. Available from: <https://www.radionz.co.nz/international/programmes/datelinepacific/audio/2018640905/pacific-at-forefront-of-shipping-industry-emissions-reductions> Pacific Island nations have been central to efforts to get the international shipping industry to commit to reducing greenhouse gas emissions.

Conditions right for LNG to set sail. *Seatrade Maritime News*. 16 April 2018. Available from: <http://www.seatrade-maritime.com/news/asia/conditions-right-for-lng-to-set-sail.html> With the global economy continuing to pivot towards Asia, it is unsurprising that increased LNG demand within Asia accounted for 55% of total demand growth seen in 2017.

Shipowners after CO2 deal: Everyone must contribute now. **By Tomas Kristiansen and Katrine Grønvald Raun.** *ShippingWatch*. 16 April 2018. Available from: <https://shippingwatch.com/secure/carriers/article10519507.ece> There were disappointed stakeholders after the crucial IMO meeting last Friday on limited CO2 emissions from the global commercial fleet.

In Depth: Interview: Methanol is ready for use as marine fuel. *World Maritime News*. 16 April 2018. Available from: <https://worldmaritimeneeds.com/archives/249601/interview-methanol-is-ready-for-use-as-marine-fuel/> World Maritime News spoke to Chris Chatterton, Chief Operating Officer, the Methanol Institute, on the solutions offered to the shipping industry, with a focus on methanol as an option, and the costs which shipowners could face as of 2020.

IBIA gets fuel oil carriage ban crystal clear for bunker barges. *Ship & Bunker*. 16 April 2018. Available from: <https://shipandbunker.com/news/world/327424-ibia-gets-fuel-oil-carriage-ban-crystal-clear-for-bunker-barges> Bunker industry association IBIA has successfully amended the carriage of high sulfur bunker carriage ban text to make it clear that bunker barges taking bunker fuel to scrubber-equipped ships do not come under the ban.

Japan shippers to seek alternatives to fossil fuels for IMO 2050 emission target.

By Takeo Kumagai. *S&P Global Platts*. 17 April 2018. Available from:

<https://www.platts.com/latest-news/shipping/tokyo/japan-shippers-to-seek-alternatives-to-fossil-26940961>

The Japanese shipping industry will seek alternatives to the fossil fuels used currently to meet the International Maritime Organization's newly set target to halve greenhouse gas emissions by 2050, according to industry and government officials.

Shipping's new CO2 targets could undermine LNG as fuel.

By Tomas Kristiansen and Katrine Grønvald Raun. *ShippingWatch*. 17 April 2018.

Available from: <https://shippingwatch.com/secure/carriers/article10522647.ece> Shipping companies should seriously consider whether LNG could contribute to reducing the industry's greenhouse gas emissions, says Tristan Smith, leading maritime academic at University College London.

Why do we need new rules on shipping emissions? Well, 90 percent of global trade depends on ships.

By Jessica F.Green. *Washington Post*. 17 April 2018. Available from:

<https://wapo.st/2JT62Oq> After a week of contentious negotiations, the 173 countries that are part of the U.N. International Maritime Organization (IMO) agreed to cut emissions generated by shipping by 50 percent below 2008 levels by 2050.

DNV GL launches alternative fuels white paper.

By Nikos Späth. *DNV GL*. 17 April 2018.

Available from: <https://www.dnvgl.com/news/dnv-gl-launches-alternative-fuels-white-paper-116424>

The technologies and fuels considered in the white paper are many of the most commonly used in the shipping industry today: LNG, LPG, methanol, biofuel, hydrogen, battery systems, fuel cell systems, and wind-assisted propulsion.

Product carriers seen as big winners of new IMO rules.

By Lambros Papaeconomou.

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

<https://lloydlist.maritimeintelligence.informa.com/LL1122223/Product-carriers-seen-as-big-winners-of-new-IMO-rules>

The adoption of new International Maritime Organization bunker rules in 2020 will benefit product carriers as bunkering ports build inventories to meet the extra demand for low-sulphur fuel oil, according to a report from Evercore.

Opinion: Shipping and CO2 emissions.

By Paul Slater. *Seatrade Maritime News*. 18 April 2018.

Available from: <http://www.seatrade-maritime.com/news/europe/opinion-shipping-and-co2-emissions.html>

The recent meeting of the International Maritime Organization (IMO) that was intended to discuss the issue of reducing the amount of CO2 that commercial ships emit into the world's atmosphere was hijacked by the Global Warming crowd resulting in the IMO demanding that shipping reduces its CO2 emissions by 50% by 2050.

Cyprus Shipping: Mediterranean cluster ups its game.

Splash 247.Com. 18 April 2018.

Available from: <http://splash247.com/cyprus-shipping-mediterranean-cluster-ups-game/>

March 1 this year marked a significant waypost for watchers of the maritime aspirations of the island nation of Cyprus.

Live animal export: The dead sheep handicap.

By Lynn Simpson. *Splash 247.Com.*

18 April 2018. Available from: <http://splash247.com/live-animal-export-dead-sheep-handicap/>

Regulatory failure, lies and melting to death in a bed of hot sewerage whilst snuggled up to your dead friend's body.

Cracking the glass ceiling and falling through the cracks.

By Inderpreet Walia. *Lloyd's List*.

8 April 2018. Available from:

<https://lloydlist.maritimeintelligence.informa.com/LL1122153/Cracking-the-glass-ceiling-and-falling-through-the-cracks>


As the first female master mariner to clinch the International Maritime Organization award for Exceptional Bravery at Sea, Radhika Menon has cracked the glass ceiling, but she believes there are many females in the industry who still fall through those cracks.

Shipping industry is already efficient: Dalhousie professor. By Stuart Peddle.

Chronicle Herald (Canada). 18 April 2018. Available from:

<http://www.thechronicleherald.ca/business/1563250-shipping-industry-is-already-efficient-dalhousie-professor> A Dalhousie University professor says it may be hard to meet greenhouse gas emission reduction targets on an international body's wishlist.

Reducing shipping greenhouse gas emissions: Lessons from Port-Based Incentives.

International Transport Forum. 18 April 2018. Available from: <https://www.itf-oecd.org/reducing-shipping-ghg-emissions> This report reviews port-based incentive schemes to reduce shipping emissions, such as environmentally differentiated port fees. [Report](#) 

Electric ferries and joined-up shipping to turn sea travel green. By Frieda Klotz.

HORIZON - the EU Research & Innovation Magazine. 18 April 2018. Available from:

https://horizon-magazine.eu/article/electric-ferries-and-joined-shipping-turn-sea-travel-green_en.html

The global shipping industry currently emits around 1000 million tonnes of CO₂ into the atmosphere each year, but according to a recent report by the Organisation for Economic Cooperation and Development, this could be slashed to almost zero by 2035 through a combination of technical, operational and policy measures.

LNG bunker fuel insufficient on its own to curb shipping's CO₂ output: Analyst. Ship & Bunker.

18 April 2018. Available from: <https://shipandbunker.com/news/world/720309-lng-bunker-fuel-insufficient-on-its-own-to-curb-shippings-co2-output-analyst> Shipping's goal to cut its carbon dioxide (CO₂) emissions in half by 2050 would not be reached even if the industry switched over completely to liquefied natural gas (LNG).

LNG not shipping's green panacea, as IEA warns of 'huge disruption' over looming 2020 sulphur cap. By Sam Chambers . Splash 247.Com.

19 April 2018. Available from:

<https://splash247.com/lng-not-shippings-green-panacea-iea-warns-huge-disruption-looming-2020-sulphur-cap/> A report out this week suggests LNG is not the panacea for shipping's fuel concerns now that member states of the IMO have voted in favour of cutting greenhouse gas emissions from ships in half by 2050.

The women who move the world. Lloyd's List.

19 April 2018. Available from:

<https://lloydslist.maritimeintelligence.informa.com/LL1122159/The-women-who-move-the-world>

Founded in 1974, Women In Shipping and Transport Association International has long been the voice of female professionals in management positions in the shipping industry.

Carbon deal does not leave everyone happy with IMO's stance on emissions.

By Adam Corbett. *TradeWinds*. 19 April 2018. Available from:

<http://www.tradewindsnews.com/casualties/1473050/carbon-deal-does-not-leave-everyone-happy-with-imos-stance-on-emissions> Lars Carlsson, a director at Windship Technology, has hit out at shipping's carbon emission reduction agreement reached last week.

CSL sees owners and yards as key to CO₂ limits. By Michael Angell. TradeWinds.

19 April 2018. Available from: <http://www.tradewindsnews.com/drycargo/1473696/csl-sees-owners-and-yards-as-key-to-co2-limits> Canada's CSL Group is used to strict pollution rules, as it operates in some of the toughest environmental regimes for shipping.

Methanol offers shipping a clean, quick pathway to carbon cuts. By Gregory Dolan.

TradeWinds. 19 April 2018. Available from:

<http://www.tradewindsnews.com/tankers/1473715/methanol-offers-shipping-a-clean-quick-pathway-to-carbon-cuts> The hard-fought agreement struck by the IMO's Marine Environment Protection Committee (MEPC) creates a framework for the first long-term greenhouse gas reduction target in shipping.

IMO carbon deal poses challenge for shipping's capex. By Adam Corbett. *TradeWinds*. 19 April 2018. Available from: <http://www.tradewindsnews.com/legal/1472938/imo-carbon-deal-poses-challenge-for-shippings-capex> The IMO has set a target for shipping to reduce carbon emissions by 50% by 2050, marking the start of a major shift to alternative fuels in the near future.

Five things to watch: Marine insurance. By David Osler. *Lloyd's List*. 19 April 2018. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1122232/Five-things-to-watch-Marine-insurance> Marine insurance is facing a period of disruption, whether it finds that development congenial or not.

Sleeve oil and its substitutes post MEPC 72. By Andrew Craig-Bennett. *Splash 247.Com*. 20 April 2018. Available from: <https://splash247.com/sleeve-oil-substitutes-post-mepc-72/> Up to now, owners have been a bit wary about putting their ships' fuel consumptions in the public domain.

The shipping industry could move from laggard to leader on greenhouse gas emissions. By Aldo Chircop and Meinhard Doelle. *Centre for International Governance Innovation (CIGI)*. 20 April 2018. Available from: <https://www.cigionline.org/articles/shipping-industry-could-move-laggard-leader-greenhouse-gas-emissions> In April 2018, the International Maritime Organization (IMO) adopted an initial strategy on the reduction of greenhouse gas (GHG) emissions from ships.

Energy Minister highlights growing bunkering sector. *Jamaica Information Service*. 20 April 2018. Available from: <http://jis.gov.jm/energy-minister-highlights-growing-bunkering-sector/> The Government is working towards ensuring that Jamaica's geographical advantage is leveraged to attract a sizeable shipping base, to boost the bunkering sector.

Hapag-Lloyd plans 20 % reduction in CO2 emissions by 2020. *Hapag-Lloyd*. 21 April 2018. Available from: <https://www.hapag-lloyd.com/en/press/releases/2018/04/hapag-lloyd-plans-20-percent-reduction-in-co2-emissions-by-2020.html> Today, as the world celebrates "Earth Day," Hapag-Lloyd is publishing the company's first sustainability report ever.

Hapag-Lloyd to cut CO2 intensity levels by 20% by 2020. By Anastassios Adamopoulos. *Lloyd's List*. 22 April 2018. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1122299/HapagLloyd-to-cut-CO2-intensity-levels-by-20-by-2020> Hapag-Lloyd is going ahead with a self-imposed mandate to curb the intensity of its CO2 emissions, as the shipping industry is forced into a decarbonisation programme coerced by a growing global regulatory framework.

Singapore debating big data: a savior for the shipping sector or just a fantasy? By Lasse Karner. *ShippingWatch*. 23 April 2018. Available from: <https://shippingwatch.com/secure/carriers/article10541600.ece> The shipping industry is far from using all the opportunities made available through new technologies.

Houthi militias take 19 ships hostage, preventing aid from reaching Yemeni people. *Government of Saudi Arabia*. 23 April 2018. Available from: <https://www.saudiembassy.net/news/houthi-militias-take-19-ships-hostage-preventing-aid-reaching-yemeni-people> The Iranian backed Houthi militias in Yemen are holding hostage 19 ships, carrying over 200 thousand tons of petroleum byproducts in the anchoring zone outside of the port of Hodeida, which is under the militia's control.

This is how China's huge One Belt One Road project affects Maersk. By Leonora Beck. *ShippingWatch*. 23 April 2018. Available from: <https://shippingwatch.com/secure/carriers/article10539750.ece> China is striking A.P. Moeller-Maersk with a double-edged sword these years.

Blue China: Navigating the Maritime Silk Road to Europe. By Mathieu Duchâtel and Alexandre Sheldon Duplaix. *European Council on Foreign Relations (ECFR)*. 23 April 2018. Available from: http://www.ecfr.eu/publications/summary/blue_china_navigating_the_maritime_silk_road_to_europe China's Maritime Silk Road is about power and international influence, but Europeans should not overlook the importance for China of further developing its blue economy, which already represents 10 percent of China's GDP.

Call to support women in maritime. By Serah Lagdom. *The National (Papua New Guinea)*. 24 April 2018. Available from: <https://www.thenational.com.pg/call-support-women-maritime/> To show support for the PNG Women in Maritime Association, the Department of Transport recently renewed its corporate membership to this association and has been a member since its inception in 2007 and continues to be involved in the association's executive membership.

BW LNG rejects climate criticism of LNG as the fuel of the future. By Lasse Karner. *ShippingWatch*. 24 April 2018. Available from: <https://shippingwatch.com/secure/carriers/article10543872.ece> The UN International Maritime Organization's (IMO) new climate plan for the global fleet has accelerated speculations about the future of ship fuel.

Seychelles hosts first African Shipowners Association Summit. *Government of the Seychelles*. 24 April 2018. Available from: http://www.statehouse.gov.sc/news.php?news_id=3928 The President of the Republic of Seychelles, Mr Danny Faure, officially launched the first African Shipowners Association Summit 2018 during an official opening ceremony held at the Savoy Resort this morning.

When China's ships come in. *National Public Radio (US)*. 24 April 2018. Available from: <https://www.npr.org/sections/money/2018/04/24/605396270/when-china-s-ships-come-in> The Port of Long Beach is one of the biggest ports in the country.

MPA announces record seven agreements at Singapore Maritime Technology Conference. *Maritime and Port Authority of Singapore (MPA)*. 25 April 2018. Available from: <https://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/dc2beca8-df1b-427f-843a-b1160148a808> Aligned with the Sea Transport Industry Transformation Map to enhance competitiveness and drive new growth areas, the MPA has inked five Memorandums of Understanding (MOUs) and two Agreements with local and international partners today at the Singapore Maritime Technology Conference (SMTTC).

Wärtsilä partners with the Maritime and Port Authority of Singapore to promote maritime technologies. *Wärtsilä Corporation*. 25 April 2018. Available from: <https://www.wartsila.com/media/news/25-04-2018-wartsila-partners-with-the-maritime-and-port-authority-of-singapore-to-promote-maritime-technologies-2167870> The technology group Wärtsilä partners with the Maritime and Port Authority of Singapore (MPA) to promote maritime innovation and R&D.

The fight for EU climate funding to shipping is now underway. By Tomas Kristiansen. *ShippingWatch*. 25 April 2018. Available from: <https://shippingwatch.com/secure/carriers/article10548107.ece> Billions of euros and groundbreaking research projects by the EU will have a decisive impact on when and how the shipping sector can deliver on the CO2 targets recently adopted by the IMO, say shipowners, specifically association Danish Shipping, who are now looking forward to May 2 with huge anticipation.

Industry players still scratching their head over IMO 2020 rule. *Ship & Bunker*. 25 April 2018. Available from: <https://shipandbunker.com/news/world/290942-industry-players-still-scratching-their-head-over-imo-2020-rule> There is still plenty of uncertainty over the impact of the upcoming IMO 2020 rule that will see the global sulfur cap on marine fuel fall to 0.50% from January 1, 2020.

The African Shipowners Summit 2018: Commissioner Muchanga calls on AU Member States to become Members of the International Maritime Organization and urges African Entrepreneurs to increase Investments in African Shipping and Maritime Sectors.

African Union (AU). 25 April 2018. Available from: <https://au.int/en/pressreleases/20180425/african-shipowners-summit-2018> Under the auspices of the African Union Commission (AUC), the African Shipowners Association (ASA) in partnership with the Government of Republic of Seychelles, organized from 24-25 April 2018, the first African Shipowners Summit under the theme: "Promoting African Ownership and Participation in Africa's Shipping and Maritime Sectors."

Female executives lauded at the 11th Seatrade Maritime Awards Asia. *Seatrade Maritime News*. 25 April 2018. Available from: <http://www.seatrade-maritime.com/news/asia/female-executives-lauded-at-the-11th-seatrade-maritime-awards-asia.html> Ms Doris Ho, President & Chief Executive Officer of Magsaysay Group of Companies was presented with the Seatrade Personality of the Year Award and Ms Katie Men, Managing Director of Iseaco Investment Pte Ltd was awarded the Seatrade Young Person of the Year.

Shipping could face low-sulphur fuel oil shortfall. *By Nidaa Bakhsh. Lloyd's List*. 25 April 2018. Available from: <https://lloydslist.maritimeintelligence.informa.com/LL1122349/Shipping-could-face-lowsulphur-fuel-oil-shortfall> There will not be enough low-sulphur fuel oil available for shipping to meet the new regulations on emissions when they take effect in 2020, according to Wood Mackenzie.

50 percent Co2 cut by 2050 - governments must acknowledge enormity of what IMO has agreed. *International Chamber of Shipping (ICS)*. 26 April 2018. Available from: <http://www.ics-shipping.org/news/press-releases/2018/04/26/50-percent-co2-cut-by-2050-governments-must-acknowledge-enormity-of-what-imo-has-agreed> Speaking today (26 April) at Singapore Maritime Week, the Chairman of the International Chamber of Shipping (ICS), Esben Poulsen, said the adoption by the IMO of a comprehensive strategy to phase-out shipping's greenhouse gases "should be more than sufficient to discourage those who mistakenly advocate regional measures which would greatly damage global trade and would not be effective in helping shipping to further reduce its total CO2 emissions."

Shipping top execs: We don't have answers for the CO2 targets right now. *By Lasse Karner and Louise Vogdrup-Schmidt. ShippingWatch*. 26 April 2018. Available from: <https://shippingwatch.com/secure/carriers/article10550988.ece> Two of the premier CEOs in shipping, Maersk's Søren Skou and Andreas Sohlen-Pau of BW Group, tell ShippingWatch that the companies are working intensely to find solutions for the new climate plan in shipping.

Metals and sugar charterers face freight rate surge in next three years: analyst. *By Anthony Poole. S&P Global Platts*. 26 April 2018. Available from: <https://www.platts.com/latest-news/shipping/paris/metals-and-sugar-charterers-face-freight-rate-10387105> Dry bulk freight rates for the smaller sizes of ship are likely to rise significantly over the next three years as demand is expected to outstrip supply, a shipping analyst said Thursday.

Digital transformation depends on addressing five key questions. *By Julian Bray. TradeWinds*. 26 April 2018. Available from: <http://www.tradewindsnews.com/liner/1478095/digital-transformation-depends-on-addressing-five-key-questions> Everyone's talking digital in shipping these days.

We have an agreement on cutting emissions, now we need a strategy. *By Carleen Lyden Walker. TradeWinds*. 26 April 2018. Available from: <http://www.tradewindsnews.com/legal/1477407/we-have-an-agreement-on-cutting-emissions-now-we-need-a-strategy> Loud strains of the "Hallelujah Chorus" could be heard in London and around the world two weeks ago as a deal on greenhouse gases (GHGs) was agreed on at the IMO.

Industry Opinion: Ships... efficient movers of freight or large polluters? By Peter van Duyn.

DCN - *Daily Cargo News (Australia)*. 27 April 2018. Available from:

<http://www.thedcn.com.au/industry-opinion-ships-efficient-movers-of-freight-or-large-polluters/>

Recently, the International Maritime Organization's (IMO) Marine Environment Protection Committee agreed to reduce Greenhouse Gas (GHG) emissions of ships by 50% by 2050, in advance of the UN Climate Conference (COP24) to be held in Poland in December this year.

It's possible - but difficult - to halve shipping emissions, official says. By Andrew Wong.

CNBC. 27 April 2018. Available from: <https://www.cnbc.com/2018/04/27/minister-the-imos-climate-ambition-is-difficult-but-achievable.html>

An agreement to cut the shipping industry's greenhouse gas emissions by 50 percent — from 2008 levels — by 2050 will not be easy, but it can be done, a Norwegian minister said.

Maersk Line CEO: Govt subsidies not needed for international shipping. By Tan Hwee Hwee.

Straits Times. 27 April 2018. Available from: <https://www.straitstimes.com/business/companies-markets/maersk-line-ceo-govt-subsidies-not-needed-for-international-shipping>

Governments no longer need to subsidise or fund international shipping, given that it operates in "a competitive and effective market", Maersk Line chief executive Soren Skou said yesterday.

MAJ reports successful Caribbean Bunker Conference. By Peta-Gay Hodges.

Jamaica Information Service. 27 April 2018. Available from: <https://jis.gov.jm/maj-reports-successful-caribbean-bunker-conference/>

The Maritime Authority of Jamaica (MAJ) is reporting that the recent International Bunker Industry Association (IBIA) Caribbean Bunker Conference was a success.

Greener ships, cleaner ocean. By Jody Paterson. University of Victoria (Canada). 27 April 2018.

Available from: <https://www.uvic.ca/news/topics/2018+knowledge-greener-ships-dong+news>

Drop an electric motor into a ship and you're all set to sail into a cleaner environment, right?

The world's only floating power unit 'Akademik Lomonosov' takes the sea.

State Atomic Energy Corporation ROSATOM (Russia). 28 April 2018. Available from:

<http://www.rosatom.ru/en/press-centre/news/the-world-s-only-floating-power-unit-akademik-lomonosov-takes-the-sea/>

On 28 April, 2018, the world's only floating nuclear power unit (FPU) 'Akademik Lomonosov' has left the territory of Baltiyskiy Zavod in St. Petersburg, where its construction had been carried out since 2009, and headed to its base in Chukotka.

Maritime stakeholders put to task. By Simon Keslep. Post-Courier (Papua New Guinea).

30 April 2018. Available from: <https://postcourier.com.pg/maritime-stakeholders-put-task/>

Tragedies at sea are avoided if safety is addressed meaningful by maritime authorities, vessel operators, the government and maritime communities.

Shipping industry: More research into emissions reductions . Radio New Zealand.

30 April 2018. Available from:

<http://www.radionz.co.nz/international/programmes/datelinepacific/audio/2018642606/shipping-industry-more-research-into-emissions-reductions>

The shipping industry says there needs to be more research into new technology before emissions targets set by the International Maritime Organization can be reached.

RESEARCH

Fuel use and greenhouse gas emissions of world fisheries.

Parker RWR, Blanchard, JL et al. *Nature Climate Change*. (2018). Available from: <https://doi.org/10.1038/s41558-018-0117-x> Food production is responsible for a quarter of anthropogenic greenhouse gas (GHG) emissions globally.

Below the surface: Twenty-five years of seafloor litter monitoring in coastal seas of North West Europe (1992-2017).

Maes T, Barry, J et al. *Science of The Total Environment*. (2018). Available from: <http://www.sciencedirect.com/science/article/pii/S0048969718306442> Marine litter presents a global problem, with increasing quantities documented in recent decades.

Assessment of full life-cycle air emissions of alternative shipping fuels.

Gilbert P, Walsh, C et al. *Journal of Cleaner Production*. (2018). Available from: <http://www.sciencedirect.com/science/article/pii/S0959652617324721> There is a need for alternative fuels in the shipping sector for two main motivations: to deliver a reduction in local pollutants and comply with existing regulation; and to mitigate climate change and cut greenhouse gas emissions.

Negative emissions technologies and carbon capture and storage to achieve the Paris Agreement commitments.

Haszeldine RS, Flude, S et al. *Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences*. (2018). Available from: <http://rsta.royalsocietypublishing.org/content/376/2119/20160447.abstract> How will the global atmosphere and climate be protected?

Observed fingerprint of a weakening Atlantic Ocean overturning circulation

Caesar L, Rahmstorf, S et al. *Nature*. (2018). Available from: <https://doi.org/10.1038/s41586-018-0006-5> The Atlantic meridional overturning circulation (AMOC)-a system of ocean currents in the North Atlantic-has a major impact on climate, yet its evolution during the industrial era is poorly known owing to a lack of direct current measurements.

Human footprint in the abyss: 30 year records of deep-sea plastic debris.

Chiba S, Saito, H et al. *Marine Policy*. (2018). Available from: <http://www.sciencedirect.com/science/article/pii/S0308597X17305195> This study reports plastic debris pollution in the deep-sea based on the information from a recently developed database.

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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.