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“Sharing Maritime Knowledge”

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**About the MKC Current Awareness Bulletin (CAB)**

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

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

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

The Current Awareness Bulletin (CAB) is published by the Maritime Knowledge Centre and is not an official IMO publication. Inclusion does not imply any endorsement by IMO.

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IMO NEWS & EVENTS

WHAT'S NEW

IMO and WISTA International launch speakers bureau

Women in maritime are encouraged to inspire, educate and engage audiences by registering as speakers on the new Maritime Speakers Bureau platform, launched by the International Maritime Organization (IMO) and the Women's International Shipping and Trading Association (WISTA International).

IMO and WISTA International are passionate about ensuring that sector conferences and events have a diversity of thought and inclusive panels are the top way to achieve this. The two organizations have created a new platform, a speaker bank for the women in maritime, intending to end the tradition of all-male speaking panels, sometimes referred to as ‘manels’. More...

World Maritime Day Parallel Event opens in South Africa

The World Maritime Day Parallel Event (WMDPE) has opened in Durban, South Africa (12 to 14 October 2022). (Photos here.)

In his opening speech, IMO Secretary-General Kitack Lim said:

"After a two-year pause in parallel events due to the pandemic, it is an enormous pleasure to be able to welcome you all here to Durban for the 2022 World Maritime Day Parallel Event. The Parallel Event was instituted to provide an opportunity to take the World Maritime theme "on the road" and it is undoubtedly one of the most important maritime events, worldwide." (full speech here). More...

Key treaty for safety of fishers and fishing vessels yet to enter into force

11 October 2022 marked the 10th anniversary of the adoption of the 2012 Cape Town Agreement, the key international treaty applicable to large industrial fishing vessels aiming at providing safety standards, just as the SOLAS Convention does for commercial ships.

Despite extensive efforts by IMO Member States, other UN agencies, observers and the IMO Secretariat, the Agreement is not yet in force. As a result, there are, as yet, no globally mandatory requirements for the design, construction and equipment of fishing vessels, including life-saving, fire protection and radio-communications equipment to be carried on board. More...

Dumping of sewage sludge at sea to be prohibited worldwide

Parties to the treaties which regulate the dumping of wastes at sea have adopted an amendment to ensure that the dumping of sewage sludge at sea would be prohibited worldwide.

The amendment to the London Protocol will remove sewage sludge from the list of permissible wastes - wastes which may be considered for dumping at sea. More...
MEETING SUMMARIES AND SCHEDULE

Previous Meetings

Sub-Committee on Carriage of Cargoes and Containers (CCC 8) – 14-23 September 2022

Consultative Meetings of Contracting Parties (London Convention 1972) and Meetings of Contracting Parties (London Protocol 1996) (LC 44/LP 17) – 3-7 October 2022

Technical Cooperation Committee (TC 72) – 17-20 October 2022

Forthcoming Meetings

Maritime Safety Committee (MSC 106) – 2-11 November 2022

IMO Council (C 128) – 28 November - 2 December 2022

RECENT SPEECHES BY IMO SECRETARY-GENERAL KITACK LIM

Technical Cooperation Committee (TC), 72nd session 17-20 October 2022 (Opening and Closing remarks)

Forty-fourth Consultative Meeting of Contracting Parties to the London Convention and seventeenth Meeting of Contracting Parties to the London Protocol – 3 October 2022

WISTA International Conference, Geneva, Switzerland – 27 October 2022

G20 Side Event: International Conference on Shipping Decarbonization - Indonesia 27-28 October 2022

Second IMO Symposium on low- and zero-carbon fuels for shipping: "Ensuring a just and inclusive transition towards low-carbon shipping" – 21 October 2022

CMI Antwerp Conference – 18-21 October 2022

2022 World Maritime Day Parallel Event, South Africa (Opening and Closing remarks) 11-14 October 2022

More …

IMO PUBLISHING Just Published 2022
UNITED NATIONS

Pollution and climate change upsurge the risk of ‘climate penalty’. UN News. 7 September 2022. Available from: https://news.un.org/en/story/2022/09/1126141 A rise in the frequency, intensity and duration of heatwaves will not only increase wildfires this century but also worsen air quality – harming human health and ecosystems, according to a new report from the World Meteorological Organization.

Without investment, gender equality will take nearly 300 years: UN report. UN News. 7 September 2022. Available from: https://news.un.org/en/story/2022/09/1126171 Achieving full gender equality, one of the 17 Sustainable Development Goals (SDGs), could take close to 300 years if the current rate of progress continues, according to a report published by UN Women and the UN Department of Economic and Social Affairs (UN DESA).


UN officials see progress as global food prices drop amid ongoing Black Sea grain deal shipments. UN News. 13 September 2022. Available from: https://news.un.org/en/story/2022/09/1126571 UN trade chief Rebeca Grynspan reported that food prices had steadily gone down and exports from Ukraine and Russia had increased since a July 22 grain deal, "easing the pain … for 1.6 billion people in the world that have been facing a cost-of-living rise, especially because of the increase in food prices."


In a world of new challenges, ‘we need to build on what unites us’, Assembly President tells UN Member States. UN News. 26 September 2022. Available from: https://news.un.org/en/story/2022/09/1128061 After a week of discussions on Member States’ priorities, challenges and impacts, the high-level portion of the 77th session of the UN General Assembly concluded on Monday, with the presiding official observing that the sheer number of participants indicated the importance of the General Debate in international affairs.
Divers to be deployed at first light to begin work towards fuel pumping operation, says Chief Minister. Gibraltar Broadcasting Corporation (GBC). 31 August 2022. Available from: https://www.gbc.gi/news/still-possible-fuel-could-be-removed-bulk-carrier-says-chief-minister. Divers will be deployed at first light to the OS 35 to get the necessary resources in place to start the operation to pump fuel out of three of its four tanks, the Chief Minister has told GBC.


Drone footage taken Wednesday 8pm shows minor sheening from OS 35 was well contained. Gibraltar Broadcasting Corporation (GBC). 1 September 2022. Available from: https://www.gbc.gi/news/drone-footage-taken-wednesday-evening-shows-spillage-beached-bulk-carrier-os-35-was-well-contained. Drone footage taken at 8pm on Wednesday evening shows minor sheening or oiling from the beached bulk carrier OS 35 was well contained at the time.


Around half of OS 35’s diesel fuel load pumped out; boom deployed to protect Catalan Bay shore. Gibraltar Broadcasting Corporation. 1 September 2022. Available from: https://www.gbc.gi/news/around-half-os-35s-diesel-fuel-load-pumped-out-government-says-operation-continue-overnight The operation to pump diesel oil out of the beached bulk carrier OS 35 has got underway; this is being pumped into the slops barge that has been brought alongside.

Ship Carrying Ukrainian Corn Grounds in Turkey’s Bosphorus Strait. Mike Schuler. gCaptain. 1 September 2022. Available from: https://gcaptain.com/ship-carrying-ukrainian-corn-grounds-in-turkeys-bosphorus-strait/ The Turkish General Directorate of Coastal Safety reports that that 173-meter Lady Zehma grounded after experiencing a rudder failure and anchored in Bebek Bay, part of the Bosphorus Strait in Istanbul.


Most fuel removed from wreck of OS 35 after challenging weekend. Brian Reyes and Eyleen Gomez. Gibraltar Chronicle. 4 September 2022. Available from: https://www.chronicle.gi/most-fuel-removed-from-wreck-of-os-35-after-challenging-weekend/ Salvors have succeeded in extracting most of the fuel oil from the wreck of the OS 35 during non-stop work over a weekend fraught with challenges and setbacks, and amid warnings that some future pollution from residues on board is likely “unavoidable”.


**Volunteers clean up effects of OS35 oil spill at Sandy Bay.** Gibraltar Broadcasting Corporation 5 September 2022. Available from: https://www.gbc.gi/news/volunteers-clean-effects-os35-oil-spill-sandy-bay. Volunteers from environmental NGOs were busy at Sandy Bay yesterday cleaning up the effects of the oil spill.

**Hafnia product tanker suffers engine room fire off Rotterdam.** Dale Wainwright. TradeWinds. 6 September 2022. Available from: https://www.tradewindsnews.com/casualties/hafnia-product-tanker-suffers-engine-room-fire-off-rotterdam/2-1-1290953 No reports of any injuries or pollution, but engine room said to have sustained extensive damage.


**Mauritius and Reunion Report Drifting Oil Tanker is Repaired.** Maritime Executive. 8 September 2022. Available from: https://maritime-executive.com/article/mauritius-and-reunion-report-drifting-oil-tanker-is-repaired. Officials on both the islands of Mauritius and Reunion are breathing a sigh of relief today after a nearly week-long vigil over a broken-down product tanker in their region.

**Erik Thun cargo ship ‘partially submerged’ after collision with German reefer.** Gary Dixon. TradeWinds. 9 September 2022. Available from: https://www.tradewindsnews.com/casualties/erik-thun-cargo-ship-partially-submerged-after-collision-with-german-reefer/2-1-1294574 Seven seafarers have been saved after jumping into the sea off Denmark following a collision between their general cargo ship and a reefer on Friday.


**Stability IssueShows Cargo Ship Capsize at Turkish Port.** Mike Schuler. gCaptain. 19 September 2022. Available from: https://gcaptain.com/stability-issue-video-shows-cargo-ship-capesize-at-turkish-port/. Turkey’s Ministry of Transport and Infrastructure confirms that 24 containers were lost from the Togo-flagged Sea Eagle and a minor oil leak was detected and boomed off.


**Extinguishing of fire on board tanker in Gulf of Finland completed.** Baltic Times. 22 September 2022. Available from: https://www.baltictimes.com/extinguishing_of_fire_on_board_tanker_in_gulf_of_finland_completed/ The work to put out the blaze that broke out in a cabin of a tanker in the Gulf of Finland before noon on Thursday has been successfully completed.
Fire in the residential quarters of tanker in Gulf of Finland. *ERR News (Estonia).* 22 September 2022. Available from: https://news.err.ee/1608724405. The Finnish Coast Guard’s maritime search and rescue service (SLMV) has reported a fire on a ship near Porkkala, Finnish public broadcaster Yle reports.

At least 70 dead in latest ‘tragic’ shipwreck, off Syria coast: UN agencies. *UN News.* 23 September 2022. Available from: https://news.un.org/en/story/2022/09/1127811. In a joint news release issued late on Thursday, the International Organization for Migration (IOM), the UN refugee agency, UNHCR, and UN relief agency for Palestine refugees (UNRWA) said the boat had reportedly set off towards Europe on Tuesday from the port of Miniyeh, near Tripoli, Lebanon, carrying between 120 and 170 passengers.


Oil giants behind *FSO Safer* oil revealed. *Greenpeace International.* 27 September 2022. Available from: https://www.greenpeace.org/international/press-release/55836/oil-giants-behind-fso-safer-oil-revealed/. Large multinational oil companies, including Western giants ExxonMobil, OMV and TotalEnergies, have been using the stranded *FSO Safer* as a storage vessel for their operations until as recently as 2015, and are likely to be among those that are responsible for the 1.14 million barrels (140,000 tonnes) of oil currently on the neglected ship, according to a new Greenpeace investigation. *Big Oil Shadow Looming Over Yemen: the fossil fuel giants behind the FSO Safer*.

**ENVIRONMENT**


Fisheries, shipping industries to reduce greenhouse gas emissions by 70% by 2030. Lee Kyung-min. *Korea Times.* 15 September 2022. Available from: https://www.koreatimes.co.kr/www/tech/2022/09/419_336106.html The government will reduce greenhouse gas emissions in the marine and fisheries sectors by 70 percent over the next eight years, as part of its overarching carbon neutrality drive to better respond to global climate change concerns, the oceans ministry said, Thursday.


Commissioner Sola Meets with Senior Leadership of MSC and CMA to Discuss Environmental Issues. *US Federal Maritime Commission (FMC).* 20 September 2022. Available from: https://www.fmc.gov/commissioner-sola-meets-with-senior-leadership-of-msc-and-cma-to-discuss-environmental-issues/ Commissioner Louis Sola met with senior executives of containership operators Mediterranean Shipping Company (MSC) and CMA CGM in their respective headquarters during a European trip earlier this month to learn how these companies are working to address ocean shipping’s environmental impact.


Hundreds of whales stranded at Tasmania’s Macquarie Harbour, two years after similar event. *ABC (Australia).* 21 September 2022. Available from: https://www.abc.net.au/news/2022-09-21/whales-mass-stranding-on-tas-west-coast-macquarie-harbour/101461514 A mass stranding of about 230 whales has occurred at Macquarie Harbour near Strahan on Tasmania’s west coast, two years since a similar event in the area.

Safe Harbor. Sonia Fernandez. University of California, Santa Barbara. 21 September 2022. Available from: https://www.news.ucsb.edu/2022/020717/safe-harbor. Three weeks ago, the hearts of ocean scientists and whale lovers were broken when the body of California’s most popular humpback whale, known as “Fran,” washed ashore at Half Moon Bay, the victim of a ship strike that dislocated her skull from her spine and fractured her vertebrae.

Drowning island nations: ‘This is how a Pacific atoll dies’. Associated Press. 2 September 2022. Available from: https://apnews.com/article/united-nations-general assembly-drowning-island-nations-75f5390af98d1d385da7dd4a869ae09. While world leaders from wealthy countries acknowledge the “existential threat” of climate change, Tuvalu Prime Minister Kausea Natano is racing to save his tiny island nation from drowning by raising it 13 to 16 feet (4 to 5 meters) above sea level through land reclamation.

ENVIRONMENTAL POLLUTION


Gibraltar steps up pollution prevention measures around grounded bulker. Adam Corbett. TradeWinds. 5 September 2022. Available from: https://www.tradewindsnews.com/casualties/gibraltar-steps-up-pollution-prevention-measures-around-grounded-bunker/2-1-1290487. Oil pumping operations to remove fuel on a bulk carrier grounded off the Gibraltar coast have been stepped up as traces of fuel oil were found on nearby beaches.


Who is liable for pollution caused by remotely controlled vessels? Megawati Wijaya. Lloyd’s List. 6 September 2022. Available from: https://lloydslist.maritimeintelligence.informa.com/LL1142137/Who-is LIABLE-for-pollution-caused-by-remotely-controlled-vessels. When an autonomous vessel that is remotely operated but has a crew on board causes pollution, who is ultimately responsible for the incident?


Some more fuel oil leaks outside OS35’s second boom, government says the amount ‘significantly reduced’ - Port re-opening for non-bunkering operations. Gibraltar Broadcasting Corporation (GBC). 7 September 2022. Available from: https://www.gbc.gi/news/some-more-fuel-oil-leaks-outside-os35s-second-boom-government-says-amount-significantly-reduced-port. Some more fuel oil has escaped outside the OS35’s second boom, but the government says all indications are that the amount of free floating sheen is significantly reduced - seemingly confirmed by GBC cameras on Wednesday at 6pm.


Tracking Climate Through Ship Exhaust. Humberto Basilio. Eos Earth and Space Science News. 27 September 2022. Available from: https://eos.org/articles/tracking-climate-through-ship-exhaust The fuel oil that runs these immense vessels can contain up to 3,500 times more sulfur than the diesel that is used for land vehicles.

Plastic pollution: Shipping sector urged to crack down on nurdle spills. Sarah George. edie. 27 September 2022. Available from: https://www.edie.net/plastic-pollution-shipping-sector-urged-to-crack-down-on-nurdle-spills/ The International Maritime Organisation (IMO) is being called upon to classify plastic pellets as marine pollutants and subject them to stricter handling rules, following a series of spillages that have harmed nature.


ESG urges more resources to clean up ‘shocking, unprecedented’ oil pollution in Seven Sisters marine site. Gibraltar Chronicle. 27 September 2022. Available from: https://www.chronicle.gi/esg-urges-more-resources-to-clean-up-shocking-unprecedented-oil-pollution-in-seven-sisters-marine-site/ The Environmental Safety Group expressed shock on Monday at the pollution that had washed up on Seven Sisters after residual oil leaked from the wreck of the OS 35 last week.

New report: Oil spills from offshore transportation way down Janet McConnaughey. Associated Press. 28 September 2022. Available from: https://apnews.com/article/oil-spills-science-north-america-transportation-wastewater-52cc8f1bd7f06877da6d751784e2bda Oil and natural gas spills from tankers and pipelines in U.S. waters dropped dramatically from the last decade of the 1990s to the one from 2010 through 2019, according to a federal report Wednesday.


HEALTH & SAFETY


IMO

Dr. Cleopatra Doumbia-Henry to be awarded by the UWI. Dominica News Online. 31 August 2022. Available from: https://dominicanewsonline.com/news/homepage/news/dr-cleopatra-doumbia-henry-to-be-awarded-by-the-uwi/ Dominica-born, UWI alumna and Barrister at Law, Dr. Cleopatra Doumbia-Henry, is among 16 outstanding global citizens who will be added to the University of the West Indies honorary degrees list when they return to in-person ceremonies.


TT Talk - Key IMO safety sub-committee on the button? TT Club. 6 September 2022. Available from: https://www.ttclub.com/news-and-resources/news/tt-talk/2022/tt-talk-key-imo-safety-sub-committee-on-the-button/ In relation to global regulatory consideration of cargo risks, the IMO’s Sub-Committee on Carriage of Cargoes and Containers (CCC) is pivotal.

World Shipping Council says China-led decarbonisation plan ‘won’t work’. Michelle Wiese Bockmann. Lloyd’s List. 8 September 2022. Available from: https://lloydslist.maritimeintelligence.informa.com/LL1142171/World-Shipping-Council-says-China-led-decarbonisation-plan-wont-work Lobby group for world’s container lines says it is unclear whether low-emission fuels would be viable under plan submitted by developing countries to IMO.
International Maritime Organization chief Kitack Lim bids farewell to Queen Elizabeth II


‘Long runway’: Ocean Network Express chief worries IMO could take years to lift carbon cost. Eric Priante Martin. *TradeWinds*. 22 September 2022. Available from: https://www.tradewindsnews.com/esg/-long-runway-ocean-network-express-chief-worries-imo-could-take-years-to-lift-carbon-cost/2-1-1305452 It could be years before the IMO implements measures that would shrink the price between fuel oil and alternative fuels, and that could make it hard for shipping companies to make investment decisions.

World Maritime Day: Nigeria Seeks Greener Shipping for Sustainable Development.


Green Seas: ‘We need to have IMO on board’ with carbon ambition, shipping leaders say. Eric Priante Martin. *TradeWinds*. 28 September 2022. Available from: https://www.tradewindsnews.com/esg/green-seas-we-need-to-have-imo-on-board-with-carbon-ambition-shipping-leaders-say/2-1-1321535 A recent Global Maritime Forum annual summit in New York saw the nonprofit’s initiatives target a more ambitious decarbonisation path, but it also saw speakers focus their attention on the need for the International Maritime Organization to take firmer, clearer action in the months ahead.

The war in Ukraine –and the Black Sea Grain Initiative – have reminded us of the vital role of shipping in feeding the world.


The IMO has signed a partnership agreement with the Commonwealth Secretariat, under which both organisations commit to strengthening the maritime and port sectors in selected developing countries through activities which will promote and facilitate the adoption of sustainable maritime transport systems and practices.


Never has the theme of this year’s World Maritime Day - ‘New technologies for greener shipping’ - been so in tune with the focus of the ship owning community, says INTERCARGO.


Maritime pledges commitment to greener shipping. Jamaica Observer. 29 September 2022. Available from: https://www.jamaicaobserver.com/latest-news/maritime-pledges-commitment-to-greener-shipping/ The Maritime Authority of Jamaica (MAJ) is pledging to work with its regional partners to promote a culture of enterprise, where new technologies can be developed to facilitate greener shipping.


The Philippines is one with the international community in calling for a greener and sustainable shipping industry.

**LAW & POLICY**


IUU fishing constitutes one of the most serious threats to sustainable fisheries and to a healthy ocean.

The Director General of the Nigerian Maritime Administration and Safety Agency (NIMASA) Dr. Bashir Jamoh has stated that the Agency will continue to take deliberate steps to work with critical institutions and professional bodies to reposition Nigeria’s maritime industry.


African countries on Monday called for an end to a “climate injustice” saying the continent causes less than four percent of global CO2 emissions but pays one of the highest prices for global warming.

The ‘globalisation’ of problems now seems to be the general rule for shipping.


Industry leaders are increasingly recognizing the importance of tackling illegal, unreported and unregulated (IUU) fishing and many now integrate anti-IUU fishing counter strategies into their business practice. Pull the plug on pirate fishing


Kirill Kompaniets, the Chief Engineer of a foreign flagged vessel, was sentenced to prison for deliberately discharging approximately 10,000 gallons of oil-contaminated bilge water overboard in U.S. waters off the coast of New Orleans last year, and for obstructing justice.


The UN’s 5th session of the Intergovernmental Conference on conservation and sustainable use of marine biological diversity beyond areas of national jurisdiction (also known as the High Seas Treaty) concluded in New York last week.

Is the Paris Agreement Working? Bob Berwyn. *Inside Climate News.* 1 September 2022. Available from: [https://insideclimatenews.org/news/01092022/is-the-paris-agreement-working/](https://insideclimatenews.org/news/01092022/is-the-paris-agreement-working/) Promising climate action is one thing, but it’s not always easy for countries to deliver on the pledges they’ve made to reduce greenhouse gas emissions under the Paris Agreement.


Almost all Ukraine’s grain goes to EU countries: Putin. Elena Teslova. *Anadolu Agency (Türkiye).* 7 September 2022. Available from: [https://www_aa_com_tr/en/politics/almost-all-ukraines-grain-goes-to-eu-countries-putin/2678682](https://www_aa_com_tr/en/politics/almost-all-ukraines-grain-goes-to-eu-countries-putin/2678682) Russian President Vladimir Putin said on Wednesday that almost all Ukraine’s grain was transported to the EU countries.
Putin threatens to limit Ukraine's Black Sea grain exports. POLITICO. 7 September 2022. Available from: https://www.politico.eu/article/putin-threat-limit-black-sea-grain-export-ukraine/ Russian President Vladimir Putin Wednesday accused EU countries of diverting all Black Sea grain to themselves, and called to limit the export of grain from Ukraine.


Ship It Zero Resolution passes Minneapolis City Council. Pacific Environment. 8 September 2022. Available from: https://www.pacificenvironment.org/press-releases/ship-it-zero-resolution-passes-minneapolis-city-council/ Minneapolis City Council President Andrea Jenkins and City Council Member Robin Wonsley Worlobah co-introduced the resolution on September 6, calling on top maritime import polluters to the United States, including Minneapolis's own Target Corporation, to commit to making all imports to the United States on 100% zero-emission ships by 2030.

Shipping looks to leverage maritime allies in UK government. Richard Meade. Lloyd’s List. 8 September 2022. Available from: https://lloydslist.maritimeintelligence.informa.com/LL1142182/ The maritime sector rarely tops the UK political agenda and even within the Department for Transport shipping often struggles for visibility.

Amplify Energy to pay $5 mln to settle criminal charges over California oil spill. Reuters. 9 September 2022. Available from: https://www.reuters.com/markets/commodities/amplify-energy-pay-5-mln-settle-criminal-charges-over-california-oil-spill-2022-09-08/ California officials on Thursday said Amplify Energy Corp agreed to plead no contest to six criminal charges and pay nearly $5 million in penalties and fines in connection with a crude oil spill last year that killed birds and fouled beaches.

As Queen Elizabeth II dies, climate advocate King Charles III takes throne. Joe Lo. Climate Home News. 9 September 2022. Available from: https://www.climatechangenews.com/2022/09/09/as-queen-elizabeth-ii-dies-climate-advocate-king-charles-iii-takes-throne/ Charles has been outspoken on environmental issues for more than 50 years and, unlike his mother, has lobbied politicians for his favoured environmental policies.

The UN-brokered Black Sea Grain Initiative is reintegrating much-needed grains to global markets and contributing to bringing down prices of basic staples across the world.

After nearly two weeks of recent United Nations negotiations in New York City, countries from around the world failed to finalize an ambitious treaty that would create enormous marine protected areas and enforce stricter rules for industry on the high seas—the two thirds of the ocean beyond any country’s exclusive ocean territory.

The United Nations (UN) says it is “confident” that it will be able to prevent the break up of a decaying super tanker moored off the coast of Yemen.

Iran is showing little sign of releasing two laden Greek suezmax tankers in spite of the return of a cargo of Iranian oil that was ostensibly the ransom required to trigger the ships’ release.

Jordanian officials have ordered an Egyptian-owned cargo ship to be detained at the port of Aqaba after the vessel grounded in the country’s marine reserve park.

Sri Lanka has received $2.5 million in the third interim payment for the impacts caused by the sinking of the X-Press Pearl cargo vessel off the country’s western coast 14 months ago.

A deep-sea mining company has been given the go-ahead to take 3600 tonnes of the Pacific Ocean sea floor in a controversial trial of its Proposed mining project.

That the gradual elimination of greenhouse gases (GHG) emissions requires collaboration between actors and sectors has become common knowledge.
Liberia Maritime Authority Vows Prosecution in Stowaway Incident. Liberia Maritime Authority. 17 September 2022. Available from: http://www.lima.gov.lr/index.php/media-center/press-release/item/87-liberia-maritime-authority-vows-prosecution-in-stowaway-incident.html#qsc.tab=0 The Liberia Maritime Authority is exerting all efforts in making sure that the captain and crew members of the Panama flagged vessel, MV Ophelia, that allegedly cast overboard more than a dozen people are apprehended and prosecuted in accordance with Liberian and international laws.


Joint Statement on Atlantic Cooperation. The White House. 20 September 2022. Available from: https://www.whitehouse.gov/briefing-room/statements-releases/2022/09/20/joint-statement-on-atlantic-cooperation/ We, Angola, Argentina, Brazil, Canada, Costa Rica, Côte d’Ivoire, Equatorial Guinea, Ghana, Guinea-Bissau, Ireland, Mauritania, the Netherlands, Norway, Portugal, Senegal, Spain, the United Kingdom, and the United States, as coastal countries bordering the Atlantic Ocean and members of the community of Atlantic countries, share a commitment to a peaceful, prosperous, open, and cooperative Atlantic region, while preserving the ocean as a healthy, sustainable, and resilient resource for generations to come.


South Africa is surrounded by sea but doesn’t have a plan to protect it: three steps to get one. The Conversation. 20 September 2022. Available from: https://theconversation.com/south-africa-is-surrounded-by-sea-but-doesnt-have-a-plan-to-protect-it-three-steps-to-get-one-190678 This omission was underscored again recently by an evolving master plan for South Africa’s oceans.

Oily water pollution prosecutions continue (Ref. MARPOL). Keith Letourneau. Tanker Shipping & Trade. 21 September 2022. Available from: https://www.rivieramm.com/news-content-hub/oily-water-pollution-prosecutions-continue-72958 In May 2022, shipmanager Liquimar Tankers Management Services and vessel owner Evridiki Navigation were sentenced in Delaware federal court for violating the US Act to Prevent Pollution from Ships (APPS, the US equivalent of MARPOL, the International Convention for the Prevention of Pollution from Ships ), falsifying vessel records aboard the tanker Evridiki, obstructing justice, and making false statements to the US Coast Guard.


Egypt is hosting COP27. What are the expectations? *Lama El Hatow*. *Atlantic Council*. 22 September 2022. Available from: [https://www.atlanticcouncil.org/blogs/menasource/egypt-is-hosting-cop27-what-are-the-expectations/](https://www.atlanticcouncil.org/blogs/menasource/egypt-is-hosting-cop27-what-are-the-expectations/) As the host country for the 2022 United Nations Climate Change Conference (COP27) from November 6-18, Egypt has a huge role to play during its presidency of the event, as all eyes will be geared towards how the country can lead by example.


Why climate-change 'loss and damage' will be a hot topic at COP27. *Megan Rowling*. *Reuters*. 23 September 2022. Available from: [https://news.trust.org/item/20220923113759-lwghb](https://news.trust.org/item/20220923113759-lwghb) As large parts of the planet struggle with climate-inflicted woes, from floods in Pakistan to forest fires in the United States, the thorny issue of how to address "loss and damage" driven by global warming has risen up the political agenda.


Island nations make progress towards sustainable blue economy transition.  
*The Commonwealth.* 26 September 2022. Available from: https://thecommonwealth.org/news/island-nations-make-progress-towards-sustainable-blue-economy-transition  Two Commonwealth member countries – Trinidad & Tobago and Antigua & Barbuda – are taking further steps to advance their transition to sustainable ‘blue’ economies, so that they can effectively tap into ocean resources and support long-term economic growth while also protecting marine and coastal ecosystems.

Troubled biodiversity plan gets billion-dollar funding boost. Natasha Gilbert. *Nature.* 26 September 2022. Available from: https://www.nature.com/articles/d41586-022-03047-2  A beleaguered global deal to save the environment got a financial boost last week when Germany announced that it was upping its funding for international biodiversity conservation to €1.5 billion (US$1.49 billion) a year — an increase of €0.87 billion — making it the largest national financial pledge yet to save nature.

Shipping struggles under burden of ‘confusing and disruptive’ sanctions. Nigel Lowry. *Lloyd’s List.* 26 September 2022. Available from: https://lloydslist.maritimeintelligence.informa.com/LL1142340  Western countries have come under fire from representatives of the shipowning and liability insurance sectors for imposing a cascade of sanctions on Russia with scant regard for the impact on the shipping industry.

“Blueing” the Paris Agreement at COP27. *United Nations Framework Convention on Climate Change (UNFCCC).* 27 September 2022. Available from: https://unfccc.int/news/blueing-the-paris-agreement-at-cop27  Momentum is building for a strong political outcome relating to oceans at the UN Climate Change Conference COP27 in Sharm el-Sheikh, Egypt, in November, including greater ambition to cut greenhouse gas emissions, strengthened measures to build the resilience of coastal communities to climate change impacts and the financing needed for this.


Egypt working to prioritize ‘loss and damage’ at COP27. Valerie Volcovici. Reuters. 28 September 2022. Available from: https://www.reuters.com/business/environment/egypt-working-prioritize-loss-damage-cop27-2022-09-28/ Egypt, which is hosting the upcoming COP27 climate negotiations, is working on how to include compensation for economic losses due to climate catastrophes on the formal agenda of the November summit, as pressure grows from vulnerable countries to prioritize the issue, the country’s special representative of the summit said Wednesday.

UK legal obligations on international shipping. Transport and Environment. 28 September 2022. Available from: https://www.transportenvironment.org/discover/uk-legal-obligations-on-international-shipping/ Emissions from the UK’s international shipping activities make up more than half of the UK’s total maritime emissions.


MARINE TECHNOLOGY


Gazpromneft Marine Bunker to sell over 200,000 tonnes of marine fuel with sulphur content below 0.5% this year. Port News. 1 September 2022. Available from: https://en.portnews.ru/news/334787/ By the end of 2022, Gazpromneft-Marine Bunker, operator of Gazprom Neft’s marine bunkering business, is going to sell over 200 thousand tonnes of environmentally friendly marine fuel with sulphur content of less than 0.5%.

Biofuels use under MARPOL Annex VI. Skuld. 1 September 2022. Available from: https://www.skuld.com/topics/ship/bunkers/biofuels-use-under-marpol-annex-vi/ We are receiving an increased number of technical inquiries both on P&I and Hull related to the use of marine biofuel grades available in the market, either as an alternative fuel or for main engine testing for future use.

Uncoordinated data reports miss the point of digitalisation. Richard Clayton. Lloyd’s List. 1 September 2022. Available from: https://lloydslist.maritimeintelligence.informa.com/LL1142102/Uncoordinated-data-reports-miss-the-point-of-digitalisation Five years ago, the shipping industry was busy differentiating between digitisation and digitalisation.


Remote ship operations paving the way for autonomous shipping. *Safety4Sea*. 5 September 2022. Available from: https://safety4sea.com/cm-remote-ship-operations-paving-the-way-for-autonomous-shipping/ Automation for shipping has been traditionally linked to innovation, in a bid to address not only operating costs linked to crew manning, but also human error and maritime incidents linked to human error.


Lloyd’s Register and The Alan Turing Institute team up to advance maritime digitalisation. *Alan Turing Institute*. 7 September 2022. Available from: https://www.turing.ac.uk/news/lr-and-alan-turing-institute-team-advance-maritime-digitalisation Lloyd’s Register (LR) has announced a collaboration with The Alan Turing Institute to accelerate the digitalisation of the maritime industry.


Written Reply to Parliamentary Question on Fines on Bunkering Companies Found to be Non-Compliant with Fuel Assurance Standards. *Government of Singapore*. 12 September 2022. Available from: https://www.mot.gov.sg/news/details/written-reply-to-parliamentary-question-on-fines-on-bunkering-companies-found-to-be-non-compliant-with-fuel-assurance-standards Ms Joan Pereira asked the Minister for Transport whether there are any plans to impose fines on bunkering companies that are found to be non-compliant with fuel assurance checks and measures, including the ISO 8217 standards and conduct spot checks on the bunker fuel supplied to ships from the Port of Singapore.
NATO exercises with new maritime unmanned systems. NATO. 12 September 2022. Available from: [https://www.nato.int/cps/en/natohq/news_207293.htm](https://www.nato.int/cps/en/natohq/news_207293.htm) Around 1,500 military and civilian personnel from NATO and partner countries are gathering in Portugal this month for two maritime exercises aimed at testing the interoperability of new maritime unmanned systems.


Doubts cast over LNG’s role as future fuel. Michelle Wiese Bockmann. Lloyd’s List. 14 September 2022. Available from: [https://lloydslist.maritimeintelligence.informa.com/LL1142223](https://lloydslist.maritimeintelligence.informa.com/LL1142223) Europe would need to provide annual subsidies amounting to €17.8bn ($17.8bn) by 2030 to bridge the cost gap between renewable or synthetic liquefied natural gas marine fuels and conventional, fossil fuel supplies, according to the International Council of Clean Transport.


**Egypt explores production of green fuels for ships.** *Al-Monitor*. 26 September 2022. Available from: [https://www.al-monitor.com/originals/2022/09/egypt-explores-production-green-fuels-ships](https://www.al-monitor.com/originals/2022/09/egypt-explores-production-green-fuels-ships) Egypt plans to cooperate with the Maersk global shipping group to establish a national network to produce and distribute green fuel for ships, depending on new and renewable energy sources, as the country gears up to host the COP27 climate summit.

**Ship collisions can kill whales – this technology is helping to stop them.** Victoria Masterson. *World Economic Forum*. 26 September 2022. Available from: [https://www.weforum.org/agenda/2022/09/whale-safe-ship-collisions/](https://www.weforum.org/agenda/2022/09/whale-safe-ship-collisions/) A piece of technology called Whale Safe aims to reduce such collisions in the Santa Barbara Channel off the Californian coast in the US.


**MARITIME EDUCATION & TRAINING**


Sea change! Female cadets sail in marine engineering at Cusat, go places. Anu Kuruvilla. New Indian Express. 7 September 2022. Available from: [https://bit.ly/3DESbbK](https://bit.ly/3DESbbK) Men have been riding the success wave all these years on the high seas, but women seem to be stopping them in their tracks of late, if the number of girls joining for marine engineering is any indication.


Pinoy seamen need upskilling to adapt to emerging technologies. Sarwell Meniano. Philippine News Agency (PNA). 14 September 2022. Available from: [https://www.pna.gov.ph/articles/1183681](https://www.pna.gov.ph/articles/1183681) State-run National Maritime Polytechnic (NMP) sees the need to train Filipino seafarers on future technology as more European countries have started to shift to automation of their shipping industry.


**MARITIME SAFETY**

Allianz: Prevention measures crucial to tackling risk of battery fires in shipping. Allianz Global Corporate & Specialty. 31 August 2022. Available from: https://www.agcs.allianz.com/news-and-insights/news/lithium-ion-batteries.html Allianz Global Corporate & Specialty risk bulletin highlights main hazards and causes of fire if lithium-ion batteries in electric vehicles or cargo are not stored, handled or transported correctly following a number of incidents.

Explosion risk is flaring up on land and at sea. Seatrade Maritime News. 9 September 2022. Available from: https://www.seatrade-maritime.com/opinions-analysis/explosion-risk-flaring-land-and-sea Unfortunately, five years later, on August 4, 2020, there was another massive explosion in a very active seaport.


Biden administration takes steps to strengthen offshore safety standards. Kim Biggar. Splash 247.com. 13 September 2022. Available from: https://splash247.com/biden-administration-takes-steps-to-strengthen-offshore-safety-standards/ The US Bureau of Safety and Environmental Enforcement (BSEE) has announced a new proposed rule that builds on reforms instituted by the Interior Department since the Deepwater Horizon tragedy in 2010 that killed 11 offshore workers, caused billions of dollars of damage, and has had lasting impacts to the environmental landscape in the Gulf of Mexico.


MARITIME SECURITY


**How we’re enhancing security in Gulf of Guinea – Navy.** *The Sun (Nigeria).* 8 September 2022. Available from: [https://www.sunnewsonline.com/how-were-enhancing-security-in-gulf-of-guinea-navy/](https://www.sunnewsonline.com/how-were-enhancing-security-in-gulf-of-guinea-navy/) The Nigerian Navy says it is committed to protecting the country’s maritime space and enhancing security in the Gulf of Guinea.

**More than a thousand sailors and Royal Marines head on Mediterranean mission.** *Royal Navy.* 26 September 2022. Available from: [https://www.royalnavy.mod.uk/news-and-latest-activity/news/2022/september/26/220926-task-group-heads-for-the-med](https://www.royalnavy.mod.uk/news-and-latest-activity/news/2022/september/26/220926-task-group-heads-for-the-med) More than a thousand sailors and Royal Marines have been deployed as part of Littoral Response Group North, which is a force designed to deploy to places strategically important to the UK, with a particular focus on Europe.


MIGRANTS

‘Ocean Viking’ rescue ship docks in Italy after 8-day wait. InfoMigrants. 5 September 2022.
Available from: http://www.infomigrants.net/en/post/43072/ocean-viking-rescue-ship-docks-in-italy-after-8day-wait  Nearly 460 migrants rescued from the Mediterranean by the Ocean Viking ship have disembarked in southern Italy.

Rescued migrants: Geo Barents ship lands in Taranto, Italy. InfoMigrants. 8 September 2022.

Tunisia: Eleven migrants die in latest Mediterranean accident. Alex Binley. BBC News. 11 September 2022. Available from: https://www.bbc.co.uk/news/world-africa-62870984  Tunisia’s coastguard rescued 14 people after the boat, which was carrying 37 migrants to Italy, sank on Tuesday.


Channel crossings exceed 30,000 as hundreds of migrants reach UK shores. Benjamin Bathke. InfoMigrants. 22 September 2022. Available from: http://www.infomigrants.net/en/post/43525/channel-crossings-exceed-30000-as-hundreds-of-migrants-reach-uk-shores  More than 30,000 migrants have reportedly crossed the Channel in small boats so far this year, more than in all of last year.

NAVIGATION & COMMUNICATIONS

Türkiye hikes strait transit fees to $4 per tonnage. Daily Sabah (Türkiye). 29 August 2022. Available from: https://www.dailysabah.com/business/transportation/turkiye-hikes-strait-transit-fees-to-4-per-tonnage Türkiye has increased the transit fee it charges commercial ships to use the Bosporus and Dardanelles, in accordance with the rights granted to it by the Montreux Convention.


About a dozen pre-war ships still stuck in Ukraine. Nidaa Bakhsh and Bridget Diakun. Lloyd’s List. 1 September 2022. Available from: https://lloydslist.maritimeintelligence.informa.com/LL1142116/About-a-dozen-pre-war-ships-still-stuck-in-Ukraine About a dozen ships are still stuck in Ukraine’s export ports, according to Lloyd’s List Intelligence data.


Navigating climate change: How shipping is adapting in the St. Lawrence. Claude Comtois. The Conversation. 7 September 2022. Available from: https://theconversation.com/navigating-climate-change-how-shipping-is-adapting-in-the-st-lawrence-189523 When compared to other major river navigation routes around the world, the St. Lawrence River is a favoured waterway.


Update from the Joint Coordination Centre. UN Joint Coordination Centre for the Black Sea Grain Initiative. 12 September 2022. Available from: https://bit.ly/3TeXowM The Initiative was launched by the Russian Federation, Türkiye, Ukraine, and the United Nations on 22 July 2022 to enable the resumption of exports from Ukraine of grain, other foodstuffs, and fertilizer, including ammonia, through a safe maritime humanitarian corridor from three key Ukrainian ports, Chornomorsk, Odesa and Yuzhny/Pivdennyi, in the Black Sea to the rest of the world.


Will trapped vessels miss UN grain ticket out of Ukraine? Adam Corbett. TradeWinds. 14 September 2022. Available from: https://www.tradewindsnews.com/containerships/will-trapped-vessels-miss-un-grain-ticket-out-of-ukraine-2-1-1298298 There is increasing concern that non-dry bulk ships caught up in the war in Ukraine will be unable to escape through a safe maritime corridor established by the United Nations’ humanitarian food programme.

For the first time, we can measure the thickness of Arctic sea ice all year round. Phys.org. 14 September 2022. Available from: https://phys.org/news/2022-09-thickness-arctic-sea-ice-year.html Using satellites, we are now able to measure ice thickness in the Arctic—even in the summer.

Poland opens new sea waterway to cut dependence from Russia. Associated Press. 17 September 2022. Available from: https://apnews.com/article/russia-ukraine-poland-baltic-sea-2824bfcc7856349a811b3421d1059176 Poland’s top leaders celebrated the opening Saturday of a new — albeit unfinished — canal that they say will mean ships no longer must secure Russia’s permission to sail from the Baltic Sea to the ports of the Vistula Lagoon.


Ever Given owner back in court defending ship’s erratic passage through the Suez Canal. Sam Chambers. Splash 247.com. 23 September 2022. Available from: https://splash247.com/ever-given-owner-back-in-court-defending-ships-erratic-passage-through-the-suez-canal/ As was widely predicted at the time of its grounding, lawyers continue to be one of the big winners from the 20,388 teu Ever Given boxship’s six-day blocking of the Suez Canal in March last year.


Ships are turning whales into ‘ocean roadkill’. This AI system is trying to stop it. Katharine Gammon. *The Guardian.* 26 September 2022. Available from: [https://www.theguardian.com/us-news/2022/sep/26/whale-deaths-ship-prevention-ai](https://www.theguardian.com/us-news/2022/sep/26/whale-deaths-ship-prevention-ai) Fran was a celebrity whale – the most photographed humpback in the San Francisco Bay, with 277 recorded sightings since 2005. Last month, she was hit by a ship and killed.

Sea Ice Minimum: Arctic Shipping Lull Is Opportunity to Cut Sea Ice and Climate Impacts. *Clean Arctic Alliance.* 27 September 2022. Available from: [https://cleanarctic.org/2022/09/27/arctic-shipping-lull-is-opportunity-to-cut-sea-ice-and-climate-impacts/](https://cleanarctic.org/2022/09/27/arctic-shipping-lull-is-opportunity-to-cut-sea-ice-and-climate-impacts/) Reacting to a September 22 satellite observation from the US National Snow and Ice Data Centre (NSIDC) showing that that Arctic sea ice reached the tenth lowest on record, Dr Sian Prior, lead advisor to the Clean Arctic Alliance, said: “There is no time for complacency.”


**PIRACY**


**PORT STATE CONTROL**


**PORTS & HARBOURS**


Tuas mega port officially opens with 3 berths; PM Lee says it will be critical engine driving economy. Clement Yong. *Straits Times.* 1 September 2022. Available from: https://www.straitstimes.com/singapore/tuas-port-officially-opens-with-3-berths-500-workers-as-freight-volumes-reach-record-high-levels The first phase of Tuas Port was officially opened on Thursday - with 500 workers running three berths at what will eventually be the world’s biggest fully automated port.


California asks shipping lines to avoid shore power during brutal heat wave. Eric Kulisch. *Freight Waves.* 6 September 2022. Available from: [https://www.freightwaves.com/news/california-asks-shipping-lines-to-avoid-shore-power-during-brutal-heat-wave](https://www.freightwaves.com/news/california-asks-shipping-lines-to-avoid-shore-power-during-brutal-heat-wave) In an ironic twist, California officials are encouraging ocean-going vessels not to plug into shore power for several days to reduce demand on the electric grid during a record heat wave and instead use dirtier energy sources for power at berth because the electric infrastructure installed to cut pollution, including climate-warming greenhouse gasses, is now under threat.


More than 100 bulkers lie waiting outside Indonesian ports. Dag Holmstad. *ShippingWatch.* 9 September 2022. Available from: [https://shippingwatch.com/carriers/Bulk/article14390776.ece](https://shippingwatch.com/carriers/Bulk/article14390776.ece) Rising global demand for coal puts pressure on both Indonesian and Chinese ports, which are seeing congestion and growing lines of dry bulk vessels, writes Clarksons in an update on bulk freight rates.


Larger vessels linked to higher waiting times at Hamburg port. Nidhi Gupta. Seatrade Maritime News. 15 September 2022. Available from: https://www.seatrade-maritime.com/opinions-analysis/larger-vessels-linked-higher-waiting-times-hamburg-port Much has been said about the increasing congestion situation in the European ports in recent months. While the European ports situation seems to be stabilizing, Germany’s ports continue to suffer with more than 2% of the global shipping capacity outside German ports at a standstill.


Local storage aims to relieve the load on the Port of Gothenburg and cut emissions. Port of Gothenburg. 19 September 2022. Available from: https://bit.ly/3WDLuQ1 At the Port of Gothenburg, collaboration is now being intensified with the port’s rail connected inland terminals.

British port strikes increase strain on European supply chains. Daniel Logan. ShippingWatch. 20 September 2022. Available from: https://shippingwatch.com/Ports/article14419485.ece Ports in Europe and China are under severe pressure as the peak season begins for delivery of cargo towards Christmas, reports analyst platform Container xChange in an update on port strikes now affecting the UK.


Namibia lauds Nigeria’s efforts towards upgrading seaports structure. Guardian (Nigeria). 21 September 2022. Available from: https://guardian.ng/business-services/maritime/namibia-lauds-nigerias-efforts-towards-upgrading-seaports-structure/ The Namibian High Commissioner to Nigeria, Humphrey Geiseb has commended the Nigerian Ports Authority’s (NPA) commitment to making Nigeria’s seaports globally competitive by improving infrastructure and working towards installing the Port Community System and Harbours Automation in conjunction with the IMO.


**Ship with Ukrainian corn, vegetable oil docks in Lebanon.** Fay Abuelgasim. *Associated Press.* 26 September 2022. Available from: https://apnews.com/article/russia-ukraine-middle-east-lebanon-c94c062c44414ce76977a4b18727698 A ship carrying thousands of tons of corn and vegetable oil from war-ravaged Ukraine docked in northern Lebanon on Monday, the first such vessel since Russia’s invasion of its neighbour started seven months ago.

**More US Gulf oil platforms shut-in, Port of Tampa closed as Hurricane Ian targets Florida.** Adam Yanelli. *Independent Commodity Intelligence Services (ICIS).* 27 September 2022. Available from: https://www.icis.com/explore/resources/news/2022/09/27/10809808/more-us-gulf-oil-platforms-shut-in-port-of-tampa-closed-as-hurricane-ian-targets-florida Hurricane Ian gained strength during the day on Tuesday, leading more oil and gas producers to evacuate offshore drilling platforms in the US Gulf as the storm maintained its path toward Tampa, Florida.


**REGULATIONS**

**Is the sulfur regulation actually a bad idea for the environment?** Idha Toft Valeur. *ShippingWatch.* 1 September 2022. Available from: https://shippingwatch.com/regulation/article14360137.ece Heat waves and the most extensive droughts in living memory have ravaged Europe this summer.

**Regulatory Gaps Hampering Global Shipping’s Ability to Deliver Paris Targets.** *MAN Energy Solutions.* 2 September 2022. Available from: https://www.man-es.com/company/press-releases/press-details/2022/09/02/regulatory-gaps-hampering-global-shipping-s-ability-to-deliver-paris-targets MAN Energy Solutions’ Chief Sales Officer has warned that the marine industry is moving too slowly in relation to decarbonisation and is being held back by a lack of regulations that would incentivise a quicker pick-up of synthetic fuels.
Sulphur cap has resulted in a 77% drop in SOx emissions from ships: IMO. Sam Chambers. Splash 247.com. 8 September 2022. Available from: https://splash247.com/sulphur-cap-has-resulted-in-a-77-drop-in-sox-emissions-from-ships-imo/ With 115 days to go until the most significant global environmental regulations to hit shipping since the global sulphur cap – often referred to as IMO 2020 – the industry’s governing body has shown the efficacy of its last big green ruling.


**SALVAGE**


“No evidence at all to suggest a drone” says UKP&I Club. Daniel Wood. Insurance Business Australia. 16 September 2022. Available from: https://www.insurancebusinessmag.com/au/news/marine/no-evidence-at-all-to-suggest-a-drone-says-ukpandi-club-420690.aspx UK P&I Club, the insurer of the container ship that blocked the Suez Canal in March last year, says there is no evidence a drone caused the incident.

**Additional Dutch funds to help salvage oil tanker off the Yemeni coast.** Government of the Netherlands. 17 September 2022. Available from: https://www.government.nl/ministries/ministry-of-foreign-affairs/news/2022/09/17/additional-dutch-funds-oil-tanker-yemen The Netherlands will release an additional €7.5 million for salvage operations to secure the FSO Safer, a floating oil storage vessel off the coast of Yemen.


**Yemen: Marking ‘significant milestone’, UN says stricken tanker salvage operation can begin.** UN News. 21 September 2022. Available from: https://news.un.org/en/story/2022/09/1127331 The salvage of the ageing supertanker FSO Safer, off the Yemeni coast, can now begin, the UN said on Wednesday, after it announced that more than $75 million has been pledged to carry out the vital operation.

**Charity urges donor support to avert oil spill off Yemen.** Samy Magdy. Associated Press. 21 September 2022. Available from: https://apnews.com/article/oil-spills-explosions-middle-east-save-the-children-bff67320f422be2c0e5f8f70e5b5cad An international charity on Wednesday urged global donors to pay up on pledges to remove oil from a long-stranded and rusting supertanker off Yemen to avert an explosion or leak that could wreak environmental and economic disaster.

**Yemen Tanker Joins Climate on the Brink of Disaster.** Najib Saab. Asharq Al-Awsat. 23 September 2022. Available from: https://english.aawsat.com/home/article/3893741/najib-saab/yemen-tanker-joins-climate-brink-disaster The persistent delay in addressing the issue of the aging supertanker Safer, used as a floating storage and offloading vessel, which threatens unprecedented pollution in the Red Sea region, proves that the world often does not learn from past experience.

**SEAFARERS**

**Three seafarers die after blast on supply ship in Italy.** Gary Dixon. TradeWinds. 1 September 2022. Available from: https://www.tradewindsnews.com/casualties/three-seafarers-die-after-blast-on-supply-ship-in-italy/2-1-1288152 Two bodies found on quayside and another in the sea, while fourth crew member hospitalised.

Maersk to seek settlement in harassment cases – could lead to million-dollar compensation for two women. Dag Holmstad. ShippingWatch. 5 September 2022. Available from: https://shippingwatch.com/carriers/Container/article14376783.ece A lawsuit launched by two women against Maersk in two rape and sexual harassment cases aboard the same Maersk ship has taken another turn.

Tees ship visitors support crew denied shore leave. Ian Lewis. Stella Maris. 6 September 2022. Available from: https://www.stellamaris.org.uk/tees-ship-visitors-support-crew-denied-shore-leave/ The plight of a crew from a bulk carrier who had been denied shore leave for up to 10 months, and whose work contracts had been extended, has finally ended thanks to our Tees ship visitors.

‘Seafarers vital to shipping despite automation’ Manila Times. 7 September 2022. Available from: https://www.manilatimes.net/2022/09/07/business/maritime/seafarers-vital-to-shipping-despite-automation/1857464 The digitalization and automation of global shipping are inevitable but for some, this could also be a downside to a labor-supplying country like the Philippines.


Senator pushes for approval of Magna Carta for Seafarers. Leonel Abasola. Philippine News Agency (PNA). 7 September 2022. Available from: https://www.pna.gov.ph/articles/1183125 Senator Raffy Tulfo on Wednesday said he will push for the approval of the Magna Carta for Seafarers as he warned lobbyists not to block the measure in the Senate, noting that this is the third time that a similar measure was filed.


Extra 5,000 SIM cards for Ukrainian seafarers. Merchant Navy Welfare Board (MNWB). 14 September 2022. Available from: https://www.mnwb.org/news(extra-5000-sim-cards-for-ukrainian-seafarers/ Maritime charity, the Merchant Navy Welfare Board (MNWB), has secured an additional 5,000 SIM cards for Ukrainian seafarers to ensure they can contact their beloved families and friends as the crisis in their country continues.
European shipowners strongly oppose Norwegian bill on seafarers’ work conditions. Idha Toft Valeur. ShippingWatch. 14 September 2022. Available from: https://shippingwatch.com/regulation/article14403612.ece The Norwegian government wants to implement a law allowing foreign seafarers the same salary and work conditions as Norwegian seafarers when sailing in the country’s waters.


Royal Navy ready for key role at Queen’s funeral. Royal Navy. 15 September 2022. Available from: https://www.royalnavy.mod.uk/news-and-latest-activity/news/2022/september/15/20220915-royal-navy-ready-for-key-role-at-queens-funeral Royal Navy sailors have the honour of pulling the State Ceremonial Gun Carriage bearing the Queen’s coffin for two miles through the streets of London – a duty they have performed since the funeral of Queen Victoria in 1901.

Iran says crew of seized Greek oil tanker replaced. Hellenic Shipping News. 16 September 2022. Available from: https://www.hellenicshippingnews.com/iran-says-crew-of-seized-greek-oil-tanker-replaced/ The crew of one of two Greek oil tankers seized by Iranian armed forces in May have been replaced by their company, Iran’s foreign ministry said.


Ukraine crew evacuations were moral dilemma for owners. David Osler. Lloyd’s List. 21 September 2022. Available from: https://lloydssl.maritimeintelligence.informa.com/LL1142288 Evacuating seafarers from ships stranded by the conflict in Ukraine created genuine moral dilemmas for shipowners and their insurers, the IUMI conference has been told.


ECSA: Norwegian bill on seafarers could be in breach of EEA Agreement. Idha Toft Valeur. ShippingWatch. 27 September 2022. Available from: https://shippingwatch.com/regulation/article14428852.ece The European Community Shipowners’ Associations joins the choir of concern over a proposed law from the Norwegian government, according to which international seafarers should receive the same pay as Norwegian seafarers when operating in Norwegian waters or in the Norwegian economic area.


**SEARCH & RESCUE**


Babies among six dead after refugee boat sinks off Turkish coast. Al Jazeera. 14 September 2022. Available from: https://www.aljazeera.com/news/2022/9/14/at-least-six-dead-after-refugee-boat-sinks-off-turkish-coast?sf170416289=1. Six people, the majority of them children, have drowned after a boat carrying refugees from Lebanon destined for Italy sank off the coast of southwestern Turkey, according to the Turkish coastguard.


SHIP RECYCLING


Currency Issues in the SouthEast Asian Market are Impacting the Ship Recycling Activity.
Nikos Roussanoglou. Hellenic Shipping News. 21 September 2022. Available from: https://www.hellenicshippingnews.com/currency-issues-in-the-southeast-asian-market-are-impacting-the-ship-recycling-activity/ The demolition market has firmed up in prices offered by some yards as of late, but the past week’s abrupt currency declines have created further insecurity among market delegates.

SHIPBUILDING & SHIPREPAIR

Daewoo shipyard selected for state project to commercialize fuel cell tugboat by 2026. Aju Business Daily (South Korea). 1 September 2022. Available from: https://www.ajudaily.com/view/20220901111304630 Daewoo Shipbuilding & Marine Engineering, a major shipbuilder in South Korea, has been selected for a state project to develop and commercialize an eco-friendly tugboat based on a hydrogen fuel cell engine by 2026 In response to tightened international regulations on green gas emissions generated by ships.

Could nuclear energy propel shipping to net-zero by 2050? Cyprus Shipping News. 5 September 2022. Available from: https://cyprusshippingnews.com/2022/09/05/could-nuclear-energy-propel-shipping-to-net-zero-by-2050/ In recent years, the IMO has accelerated regulatory efforts to cut the carbon intensity of all ships by at least 40% by the year 2030 and make the industry net zero by 2050.

China’s shipbuilders to enter new era of high growth. Xinde Marine News (China). 6 September 2022. Available from: https://www.xindemarinenews.com/en/shipbuilding/2022/0906/41596.html China’s State-owned shipbuilders are expected to enter a high-growth period this year, driven by global markets’ soaring demand for high-end and environmentally friendly vessels as well as the recovery of China’s marine economy, according to experts and business leaders.

Hyundai Glovis takes first step for liquefied CO2 carrier. Korea Economic Daily (South Korea). 6 September 2022. Available from: https://www.kedglobal.com/shipping-shipbuilding/newsView/ked202209060017 South Korea’s Hyundai Glovis Co. has taken the first step in developing the world’s largest liquefied carbon dioxide (LCO2) carrier used to transport greenhouse gasses in the form of liquid for reuse or disposal as the company targets the fast growing global carbon capture, utilization and storage market.


Ukraine grain exports reliant on small old blacklisted ships. Richard Meade and Bridget Diakun. *Lloyd’s List*. 15 September 2022. Available from: https://lloydslist.maritimeintelligence.informa.com/LL1142240 Top-Tier shipowners are continuing to avoid Ukrainian grain contracts, despite decreasing war risk premiums and two months of operations without incident inside the internationally monitored grain export corridor.

S. Korean shipyards dominate global green-ship market. *Yonhap News Agency (South Korea)*. 22 September 2022. Available from: https://en.yna.co.kr/view/AEN20220922001800320 South Korean shipbuilders won nearly 57 percent of global orders for eco-friendly ships in the first eight months of this year thanks to their technological superiority, an industry tracker said Thursday.

**Hurtigruten Norway launches its first ship upgraded to battery-hybrid op.** Naida Hakirevic Prevljak. *Offshore Energy*. 23 September 2022. Available from: https://www.offshore-energy.biz/hurtigruten-norway-launches-its-first-ship-upgraded-to-battery-hybrid-op/ It is the first of seven vessels in the Coastal Express fleet to be upgraded, and now features technology that will significantly reduce both CO2 and Nitrogen oxides (NOx) emissions.


**SHIPPING**


Be truly “Fit for 55” by adding black carbon emissions from ships. Liudmila Osipova and Bryan Comer. *International Council on Clean Transportation (ICCT)*. 31 August 2022. Available from: https://theicct.org/fit-for-55-black-carbon-from-ships-aug22/ Sea ice volume in the Arctic has shrunk by 72% since since the 1980s, driven by climate-warming greenhouse gases (GHGs) and particles like black carbon (BC).
China’s clean marine fuel output seen at record this year - Chimbusco exec. Reuters.
31 August 2022. Available from: https://www.reuters.com/business/sustainable-business/chinas-clean-marine-fuel-output-seen-record-this-year-chimbusco-exec-2022-08-31/ Chinese refiners are expected to produce more than 15 million tonnes of very low sulphur fuel oil (VLSFO) this year, a record level, as the country allows greater competition in the marine fuel sector, an industry executive said on Wednesday.

Climate change: shipping industry ‘must adopt new technologies, collaborate’ to reduce carbon footprint. Mia Castagnone. South China Morning Post. 1 September 2022. Available from: https://www.scmp.com/business/companies/article/3190862/climate-change-shipping-industry-must-adopt-new-technologies The shipping industry is outdated and in desperate need of a “radical transformation” if it is to improve its environmental footprint, according to a senior maritime executive based in Hong Kong.


Call to change perceptions on historical role of women in shipping Lloyd’s Register. 1 September 2022. Available from: https://www.lr.org/en/latest-news/call-to-change-perceptions-on-historical-role-of-women-in-shipping/ A group of leading organisations within the maritime industry are collaborating on a project to highlight the activities undertaken by women in shipping over the past few centuries.

The BV perspective: How to decarbonize shipping? Rolf Stiefel. Hansa International Maritime Journal. 1 September 2022. Available from: https://hansa-online.de/2022/09/smm/200369/the-bv-perspective-how-to-decarbonize-shipping/ While the sustainable ships of the future will likely be propelled by ammonia, methanol or hydrogen, the innovation journey to develop and deploy these new fuels on global fleets will be powered by a much more intangible ingredient: trust.


P&I financial performance only looks awful. Lloyd's List. 2 September 2022. Available from: https://lloydslist.maritimeintelligence.informa.com/LL1142117/PI-financial-performance-only-looks-awful The chief executive of the world’s largest marine mutual and the head of P&I at the world’s largest marine insurance brokers are in accord that clubs are out of an unsustainable black hole.

CMA CGM creates a USD 1.5 billion Special Fund for Energies to accelerate the energy transition in shipping and logistics. CMA CGM. 4 September 2022. Available from: https://www.cmacgm-group.com/en-news-media/cma-cgm-a-special-fund-for-energies The CMA CGM Group announced today that it is creating a Special Fund for Energies, backed by a five-year, USD 1.5 billion budget, to accelerate its energy transition and achieve net-zero carbon by 2050.

Shipping’s ‘inevitable’ carbon tax likely to bag $65bn annually. Ian Lewis. Trade Winds. 6 September 2022. Available from: https://www.tradewindsnews.com/esg/shipping-s-inevitable-carbon-tax-likely-to-bag-65bn-annually/2-1-1290966 A carbon tax on shipping will generate billions of dollars — but how should it be spent?

Shipping project explores ways to cut methane emissions from industry. Reuters. 6 September 2022. Available from: https://www.reuters.com/markets/commodities/shipping-project-explores-ways-cut-methane-emissions-industry-2022-09-05/ A coalition of companies including oil major Shell and no. 1 container line MSC on Tuesday launched an initiative to explore ways to cut climate-warming methane emissions from ships, which pose a major risk to industry efforts to go greener.

Shipowners Forum: Achieving zero-carbon targets in 2050 is worthy but ambitious. Ian Lewis. Trade Winds. 6 September 2022. Available from: https://www.tradewindsnews.com/esg/shipowners-forum-achieving-zero-carbon-targets-in-2050-is-worthy-but-ambitious/2-1-1291925 Shipping has to strive to meet a proposed zero-carbon target by 2050, even if ultimately those goals are highly ambitious.

Norway’s climate minister says shipping needs more political action to realize green transformation. Idha Toft Valeur. Shipping Watch. 6 September 2022. Available from: https://shippingwatch.com/regulation/article14379425.ece Espen Barth Eide, Norway’s minister of climate and environment, agrees with Norwegian Shipowners’ Association CEO Harald Solberg that more policy is needed “in order to realize more projects faster.”

More shipping companies have set zero-emission targets for 2050: “There is a long way to go”. Dag Holmstad. Shipping Watch. 6 September 2022. Available from: https://shippingwatch.com/regulation/article14380843.ece A growing number of shipping companies aim for zero carbon emissions by 2050, however, they only represent 13% of global emissions.

EU-funded consortium aims to decarbonise cruise vessels. Alma Clean Power. 6 September 2022. Available from: https://almacleanpower.com/news/eu-funded-consortium-aims-to-decarbonise-cruise-vessels The HELENUS consortium will build, integrate and demonstrate a 500kW solid oxide fuel cell (SOFC) module operating in cogeneration mode, in an MSC World Class series ocean cruise vessel.

Shipping can no longer remain on the sidelines, says ICS. Gary Howard. Seatrade Maritime News. 7 September 2022. Available from: https://www.seatrade-maritime.com/regulation/shipping-can-no-longer-remain-sidelines-says-ics In his keynote address at the opening of SMM 2022, ICS Secretary General Guy Platten said that shipping uses around 4% of global oil production and will need to look outside of itself during the transition to zero carbon.

Grain exports from Ukraine helping to push prices down -U.N. spokesperson. Reuters. 7 September 2022. Available from: https://www.reuters.com/markets/europe/grain-exports-ukraine-helping-push-prices-down-un-spokesperson-2022-09-07/ A drop in global wheat prices in August was partly due to grain exports resuming from Ukraine and ensuring food and fertilizer supplies was critical to maintain a downturn, a U.N. spokesperson for the Black Sea Grain Initiative said.


The leading international maritime trade fair: Shipping sector sets a clear course for climate protection. Robban Assafina. 11 September 2022. Available from: https://www.reuters.com/markets/europe/grain-exports-ukraine-helping-push-prices-down-un-spokesperson-2022-09-07/ A drop in global wheat prices in August was partly due to grain exports resuming from Ukraine and ensuring food and fertilizer supplies was critical to maintain a downturn, a U.N. spokesperson for the Black Sea Grain Initiative said.


Ukrainian grain export rises as stranded ship count declines. Kim Wiesener. ShippingWatch. 12 September 2022. Available from: https://shippingwatch.com/carriers/article14397380.ece The UN is trying to secure release of 15 remaining vessels stuck at three Ukrainian ports.

IUMI: Marine insurance adapted successfully to pandemic challenges. Safety4Sea. 12 September 2022. Available from: https://safety4sea.com/iumi-marine-insurance-adapted-successfully-to-pandemic-challenges/ Ahead of the IUMI Annual Conference in Chicago, Richard Turner, IUMI President reflects on the lessons learned from the last four years and the new trends highlighting that albeit the volatile background, the marine insurance and reinsurance sector has continued to operate pretty well.

Talk of phasing out the humble 20ft shipping container is misplaced. Drewry Shipping Consultants. 12 September 2022. Available from: https://www.drewry.co.uk/maritime-research-opinion-browser/talk-of-phasing-out-the-humble-20ft-shipping-container-is-misplaced Following a contraction in output of newbuild 20ft shipping containers in 2021, ordering has recovered strongly this year, and contrary to popular opinion Drewry expects its share of the global container equipment fleet to remain above 25% for the foreseeable future.

Industry willing to insure ships carrying Ukrainian grain. Kim Wiesener. *ShippingWatch*. 13 September 2022. Available from: [https://shippingwatch.com/suppliers/article14399167.ece](https://shippingwatch.com/suppliers/article14399167.ece) When the UN-led deal on exporting Ukrainian grain through the Black Sea was announced, Richard Young of insurance company Beazley feared that it could prove difficult to have the cargo vessels insured.


A maritime monarch. *Nautilus International.* 14 September 2022. Available from: https://www.nautilusint.org/en/news-insight/telegraph/a-maritime-monarch/ As well as being Master of the Merchant Navy and Fishing Fleets, the late Queen was patron of several maritime charities, and came from a generation where voyaging by sea was more common than by air.

Green Seas: LNG fuelling in focus as green groups ask EU to turn up heat on methane emissions. Eric Priante Martin. *Trade Winds.* 14 September 2022. Available from: https://www.tradewindsnews.com/gas/green-seas-lng-fuelling-in-focus-as-green-groups-ask-eu-to-turn-up-heat-on-methane-emissions/2-1-1297947 In many ways, it is a terrible time to try to guess the future of LNG fuelling in Europe, where natural gas prices have fallen back from recent record highs but are still above any level seen before Moscow shook up the continent’s energy markets.


CII to impact vessel availability. *International Chamber of Shipping (ICS).* 15 September 2022. Available from: https://www.ics-shipping.org/news-item/cii-to-impact-vessel-availability/ Vessel owners that restrict operations to maintain a high IMO Carbon Intensity Indicator (CII) rating may create demand for less efficient vessels on challenging routes, say shipping experts at SMM.


The Black Sea Grain Initiative: What it is, and why it’s important for the world. UN News.
15 September 2022. Available from: https://news.un.org/en/story/2022/09/1126811 Since Russia’s invasion of Ukraine began, exports of grain from Ukraine, as well as food and fertilizers from Russia, have been significantly hit.

IBIA Malta Panel Sees Heated Discussion on Bunker Licensing and MFMs. Ship & Bunker.


Shipping taking promising first steps towards 2030 breakthrough goals on scalable zero emission fuels. United Nations Framework Convention on Climate Change (UNFCCC).
20 September 2022. Available from: https://climatechampions.unfccc.int/shipping-taking-promising-first-steps-towards-2030-breakthrough-goals-on-scalable-zero-emission-fuels The shipping industry is working towards full decarbonization by 2050 at the latest and last year an action plan was launched on which both private and public actors can focus their collective efforts around this and coming decades. Climate Action in Shipping – Progress towards Shipping’s 2030

20 September 2022. Available from: https://www.offshore-energy.biz/top-3-issues-on-maritime-leaders-agenda/ Decarbonization of shipping and new environmental regulations in the next decade combined with geopolitical issues and workforce and skill shortages have emerged as the top three issues dominating maritime leaders’ agendas.


Sea blindness and shipping. Carlos Salinas. Manila Times. 21 September 2022. Available from: https://www.manilatimes.net/2022/09/21/business/maritime/sea-blindness-and-shipping/1859189 When Jonathan Roberts, communications director of the UK Chamber of Shipping, lamented that “[t]he public and our politicians don’t understand the importance of shipping to our trading economy,” he was just echoing a prevailing sentiment among key players in the shipping industry.


Facing stormy seas, the shipping industry must shore up resilience. Jonathan Weinberg. Raconteur. 21 September 2022. Available from: https://www.raconteur.net/transport/facing-stormy-seas-the-shipping-industry-must-shore-up-resilience/ Having weathered the storms of Covid-19 and the Ever Given blockage in the Suez Canal, shipping has now been impacted by an unprecedented heatwave in China, which has caused disruption to vital logistical routes.


Brand new topic tops list among shipping’s decision-makers. Daniel Logan. ShippingWatch. 21 September 2022. Available from: https://shippingwatch.com/regulation/article14422747.ece In the coming years, shipping will be characterized by two general problems, according to senior leaders and other decision-makers within the industry.


Leading shipping banks and marine insurers pave the way for 1.5-aligned emissions benchmarking. Poseidon Principles. 22 September 2022. Available from: https://www.poseidonprinciples.org/insurance/news/leading-shipping-banks-and-marine-insurers-pave-the-way-for-1-5-aligned-emissions-benchmarking/ The Poseidon Principles have committed to adopting an emissions reduction trajectory in line with net-zero commitments, as soon as such a trajectory or trajectories become available.

Decarbonising the shipping industry will cost more than $1 trillion. James Dinneen. New Scientist. 22 September 2022. Available from: https://www.newscientist.com/article/2339247 More than $1 trillion of investment would be required to decarbonise the shipping industry by 2050, according to a report released 21 September at the Global Maritime Forum summit in Brooklyn, New York, during Climate Week NYC.


US aims to tighten shipping law – could lead to major penalties in harassment cases. Dag Holmstad. *ShippingWatch.* 23 September 2022. Available from: https://shippingwatch.com/carriers/Container/article14432619.ece A new bill providing US maritime authorities, the US Coast Guard, with the option of issuing major penalties in harassment cases could become a serious headache to carriers such as Maersk operating in US waters.


Why it’s time to stop talking about shipping decarbonisation. Richard Meade. *Lloyd’s List.* 23 September 2022. Available from: https://lloydslist.maritimeintelligence.informa.com/LL1142328 A flurry of climate targets and trajectories pumped out of the shipping industry in recent years were hard-won exercises in collective agenda-setting, but the industry has been struggling with the longer and more arduous task of turning aspiration into action.

Weaker Demand for Goods from Asia Marks End of Shipping Bonanza. *Bloomberg.* 26 September 2022. Available from: https://www.bnnbloomberg.ca/weaker-demand-for-goods-from-asia-marks-end-of-shipping-bonanza-1.1823614 The cost of shipping goods from China has slumped to the lowest level in more than two years as the world economy stumbles, dimming prospects for container carriers that turned in record profits during the pandemic.

The shipping industry is moving in the right direction on decarbonisation, but challenges remain when it comes collaboration.


The impact of experience for cleaner shipping. Aleksander Askeland. Safety4Sea. 27 September 2022. Available from: https://safety4sea.com/the-impact-of-experience-for-cleaner-shipping/ As this year’s World Maritime Day draws focus to ‘new technologies for greener shipping’, we have an unprecedented opportunity to analyse how our industry can make full use of emerging low-emission solutions.


Saudi Maritime Congress opens; focus on Vision 2030. Trade Arabia. 28 September 2022. Available from: http://tradearabia.com/news/IND_401245.html Saudi Arabia’s leading maritime and logistics event, the Saudi Maritime Congress, will open today bringing together leading personalities in the region’s maritime sector, who will share insights regarding the current trends observed in the industry.


High energy prices could accelerate shipping’s shift away from fossil fuels. Astrid Sturlason. ShippingWatch. 29 September 2022. Available from: https://shippingwatch.com/regulation/article14446930.ece The shipping sector’s efforts to reduce its carbon emissions will be tested for the foreseeable future as inflation and war in Ukraine may lead to increased greenhouse gas (GHG) emissions into the atmosphere.
Black Sea exports ramp up, bringing confidence to global commerce and food to most vulnerable. *UN News.* 29 September 2022. Available from: [https://news.un.org/en/story/2022/09/1129042](https://news.un.org/en/story/2022/09/1129042) Two months since the Black Sea Grain Initiative kicked into action to help release desperately needed grain and fertilizer from ports in Ukraine and Russia, confidence is returning among global distributors as exports ramp up, UN humanitarians said on Thursday.


**RESEARCH**


Yeh C-K, Lin C, et al. Real-time energy consumption and air pollution emission during the transpacific crossing of a container ship. *Scientific Reports.* 10 September 2022. Available from: [https://doi.org/10.1038/s41598-022-19605-7](https://doi.org/10.1038/s41598-022-19605-7) This study presents the real-time energy consumption of a container ship’s generator engine on two round-trips from the West Coast of the US to the East Asian ports and analyzes the ship’s PM10, PM2.5, NOx, SOx, CO, and HC emissions, shore power usage, and factors affecting energy consumption.

Landy JC, Dawson GJ, et al. A year-round satellite sea-ice thickness record from CryoSat-2. *Nature.* 14 September 2022. Available from: [https://doi.org/10.1038/s41586-022-05058-5](https://doi.org/10.1038/s41586-022-05058-5) Arctic sea ice is diminishing with climate warming at a rate unmatched for at least 1,000 years.


With the introduction of global sulphur-oxide limits for marine fuels by the International Maritime Organisation (IMO), fears have abounded within the shipping industry about the potential consequences of non-compliance.


To subscribe or unsubscribe, send an email with your contact details to: maritimeknowledgecentre@imo.org

About the cover

The CAB front 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.