

INTERNATIONAL MARITIME ORGANIZATION

MARITIME KNOWLEDGE CENTRE

“sharing maritime knowledge”

CURRENT AWARENESS BULLETIN

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

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

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IMO / UNITED NATIONS NEWS & EVENTS

WHAT'S NEW

IMO climate change moves on agenda (IMO's Marine Environment Protection Committee (MEPC 70)) discussed proposals to adopt a mandatory regulation for ships to record and report their fuel consumption. The requirements for ships to record and report their fuel consumption were approved at the last session. Also on the agenda was a decision on the implementation date (2020 or 2025) for the global 0.50% m/m sulphur cap for fuel oil. With the Ballast Water Management Convention entering into force in September 2017, implementation of the treaty was under consideration. The MEPC considered revised Guidelines for approval of ballast water management systems. Also for discussion was proposals to designate a Particularly Sensitive Sea Area (PSSA) in Papua New Guinea and to designate the North Sea and Baltic Sea as emission control areas for nitrogen oxides (NOx).

Meeting summary: Marine Environment Protection Committee (MEPC), 70th session, 24-28 October 2016

Briefing 28 - 28/10/2016 New requirements for international shipping as UN body continues to address greenhouse gas emissions

Briefing: 27 - 28/10/2016 IMO sets 2020 date for ships to comply with low sulphur fuel oil requirement

Arctic indigenous leaders meet IMO Secretary-General The safety and environmental impact of arctic shipping was on the agenda as IMO Secretary-General Kitack Lim received a delegation of arctic indigenous leaders at IMO Headquarters, London (25 October). In the first meeting of its kind, a wide-range of issues surrounding climate change and the subsequent increase in number of ships operating in arctic waters were discussed ([photos](#)). Secretary-General Lim outlined IMO's work in this field, in the form of IMO's [Polar Code](#), which will enter into force in January 2017.

The Code applies to ships operating in Arctic and Antarctic waters, provides for safe ship operation and protects the environment by addressing the unique risks present in polar waters but not covered by other treaties.

Mr. Lim expressed his appreciation to the leaders for meeting him and providing their valuable input, and iterated his support for United Nations Secretary-General Ban Ki-moon's recent [address](#) to the Arctic Circle Assembly, in which Mr. Ban highlighted the importance of the UN Declaration on Rights of Indigenous Peoples as "our inspiration for how to recognize and respect indigenous peoples through our actions and initiatives".

The delegation was formed of representatives from the Pacific Environment, WWF, Friends of the Earth International, Kawerak, Bristol Bay Native Association, Inuvik Hunters and Trappers Committee, Chukotka Marine Mammal Hunters Association and business leader. Secretary-General Lim was joined by IMO directors Frederick Kenney and Ashok Mahapatra.

IMO MEETINGS FOR 2016

[Marine Environment Protection Committee \(MEPC\)](#)

70th session, 24 – 28 October 2016

Technical Cooperation Committee (TCC)

66th session, 10 – 12 October 2016

IMO PRESS BRIEFINGS

[Panama accedes to global treaty to halt invasive aquatic species](#)

Briefing: 26, October 19, 2016

IMO NEWS MAGAZINE **(Issue 3, 2016)**

IMO PUBLISHING [Just Published: 2016](#) [October 2016 Newsletter](#)

RECENT SPEECHES BY IMO SECRETARY-GENERAL KITACK LIM

Marine Environment Protection Committee (MEPC 70), 24 – 28 October 2016
([Opening](#) and [Closing](#) Address)

[European Community Shipowners Association \(ECSA\), AGM, Malta](#) 5 October 2016

[High Level Meeting to celebrate 40 Years of Cooperation in the Mediterranean to Prevent and Combat Marine Pollution from Ships, Keynote address, Malta](#) 4 October 2016

[Malta Maritime Summit, Keynote address - Legislating for the Maritime Industry](#)
4 October 2016

UNITED NATIONS NEWS

Ban welcomes steps by UN maritime agency to limit carbon emissions from international shipping. *UN News Centre* [Online]. 28 October 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsID=55434> United Nations Secretary-General Ban Ki moon has welcomed the steps agreed upon today by the members of the International Maritime Organization (IMO) to address greenhouse gas emissions from international shipping.

Treaties against human trafficking key to fighting scourge, supporting victims – UN anti-crime official. *UN News Centre* [Online]. 29 September 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsID=55165> With current armed conflicts and humanitarian crises driving massive population movements – and not just in Europe, though the continent has been heavily challenged – an upcoming United Nations report will confirm the troubling fact that human trafficking generally follows the overall migratory flows, a senior UN anti-crime official said today.

UN officials optimistic of Paris climate accord's entry into force by year's end.

UN News Centre [Online]. 29 September 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsID=55166> Senior United Nations officials today announced that the landmark Paris Agreement on climate change signed by world leaders this past April is closer to entering into force, as India – a country that produces more than four per cent of global emissions – plans to submit its ratification at the end of the week.

India ratifies Paris climate pact at UN, brings its entry into force 'tantalisingly close'.

UN News Centre [Online]. 2 October 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsID=55185> 🇮🇳 India today ratified the Paris Agreement on climate change at the United Nations Headquarters in New York, bringing the treaty's entry into force "tantalisingly" close.

As carbon dioxide levels hit 15 million year high, UN urges action to curb greenhouse gas emissions. *UN News Centre* [Online]. 30 September 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsID=55171> The United Nations Office for Disaster Risk Reduction (UNISDR) urged world leaders to take note of the profound implications of record-high carbon dioxide readings this month and appealed for their increased commitment to reducing greenhouse gas emissions.

Security Council recommends former Prime Minister of Portugal Guterres as next UN Secretary-General. *UN News Centre* [Online]. 6 October 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsID=55224> The Security Council today formally chose the former Prime Minister of Portugal, António Guterres, as its nominee to be the next Secretary-General of the United Nations for a five-year term when incumbent Ban Ki-moon steps down on 31 December.

With 'unstoppable' momentum, Paris climate pact set for early November entry into force – UN chief. *UN News Centre* [Online]. 5 October 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsID=55219> United Nations Secretary-General Ban Ki-moon announced today that the Paris Agreement on climate change signed by world leaders this past April is set to enter into force on 4 November, as enough countries have signed onto the landmark accord to bring it to the emissions threshold that will trigger its implementation.

In Iceland, UN chief highlights that fate of Arctic and that of the world are intertwined.

UN News Centre [Online]. 8 October 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsID=55247> Drawing attention to the melting of the Arctic ice cap, United Nations Secretary-General Ban Ki-moon today underlined the urgency of implementing the Paris Agreement on climate change and the need to help developing countries in their efforts to combat climate change.

Ban highlights importance of sea tribunal as legal body commemorates its 20th anniversary.

UN News Centre [Online]. 7 October 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsID=55239> Recalling the renewed focus on seas and oceans, including as illustrated in the 2030 Agenda for Sustainable Development, United Nations Secretary-General Ban Ki-moon said today that as the global law of the sea continues to grow in relevance, so does its international tribunal.

Syria conflict 'top priority' for next UN chief Guterres.

BBC News [Online]. 14 October 2016. Available from: <http://www.bbc.co.uk/news/world-middle-east-37653449> 🗞️ The UN's newly-elected Secretary General Antonio Guterres says he will make ending Syria's civil war his top priority.

António Guterres appointed next UN Secretary-General by acclamation.

UN News Centre [Online]. 13 October 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsID=55285> 🗞️ The General Assembly today appointed by acclamation the former Prime Minister of Portugal, António Guterres, as the next United Nations Secretary-General, to succeed Ban Ki-moon when he steps down on 31 December.

Countries agree to curb powerful greenhouse gases in largest climate breakthrough since Paris.

United Nations Environment Programme (UNEP) [Online]. 15 October 2016.

Available from: <http://www.unep.org/newscentre/Default.aspx?DocumentID=27086&ArticleID=36283&l=en>

Nearly 200 countries struck a landmark deal today to reduce the emissions of powerful greenhouse gases, hydrofluorocarbons (HFCs), in a move that could prevent up to 0.5 degrees Celsius of global warming by the end of this century.

UN Assembly marks fiftieth anniversary of key human rights covenants, 'bedrock of sound governance'.

UN News Centre [Online]. 19 October 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsID=55344> With violent extremism on the rise and waves of intolerance and hate targeting minorities, migrants and the most vulnerable, the international community must renew efforts to uphold its human rights treaties, the United Nations General Assembly heard this morning.

Global Goals can 'propel us towards a better future for all on a healthy planet,' Ban says on UN Day.

UN News Centre [Online]. 24 October 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsID=55374> In his last United Nations Day message as Secretary-General, Ban Ki-moon recognized the efforts of courageous UN staff members who are on the frontlines of disaster and violence and continue to respond to the plight of the vulnerable people across the world.

CASUALTIES

Three Chinese fishermen killed in confrontation with South Korea coastguard.

By Ju-min Park. *Reuters* [Online]. 30 September 2016. Available from:

<http://www.reuters.com/article/us-southkorea-china-fishermen-idUSKCN1200DQ>

Three Chinese fishermen were killed on Thursday in a fire that broke out on their boat when South Korean coastguard men trying to apprehend them for illegal fishing threw flash grenades into a room they were hiding in, a South Korean official said.

Worker Dies after Falling from Tanker *Nord Gardenia*. *World Maritime News* [Online].

29 September 2016. Available from: <http://worldmaritimenews.com/archives/202950/worker-dies-after-falling-from-tanker-nord-gardenia/>

A worker died after he fell into the water while transferring from a service vessel to the chemical tanker *Nord Gardenia*, the vessel's operator Danish shipping company Dampskibsselskabet NORDEN A/S confirmed.

500 Stranded on Indian Passenger Freighter. *Maritime Executive* [Online].

29 September 2016. Available from: <http://www.maritime-executive.com/article/500-stranded-on-indian-passenger-freighter>

Over 500 passengers on the Indian passenger / general cargo vessel *Harshavardhan* were stranded at sea for days after the vessel ran into mechanical difficulty.

Cruise passenger's unsafe behaviour and intoxication led to person-overboard fatality in Toronto, Ontario, in 2015. *Transportation Safety Board of Canada* [Online].

29 September 2016. Available from: <http://www.tsb.gc.ca/eng/medias-media/communiqués/marine/2016/m15c0094-20160929.asp>

The Transportation Safety Board of Canada (TSB) determined that a passenger's unsafe behaviour and intoxication led to him falling overboard from the vessel *Northern Spirit I* in Toronto, Ontario, and subsequently drowning. [Marine Investigation Report M15C0094](#)

Accident Reports: Seafarers Ignore Safety Management Systems. *Maritime Executive*

[Online]. 3 October 2016. Available from: <http://www.maritime-executive.com/editorials/report-seafarers-ignore-safety-management-systems>

The Marine Accident Investigation Branch (MAIB) has released its latest Safety Digest highlighting the human element as a consistent contributory factor in accidents.

Transocean Winner: Preparations made for another attempt to load the rig.

UK Maritime & Coastguard Agency [Online]. 5 October 2016. Available from:

<http://hmcoastguard.blogspot.co.uk/2016/10/transocean-winner-preparations-made-for.html>

Approval has been given by the Secretary of State's Representative Maritime and Salvage Intervention for Transocean to start preparing for a further attempt to load the rig onto the semi-submersible heavy lift vessel *HAWK*.

Remembering *El Faro*. By Rear Adm. Paul Thomas, assistant commandant for prevention policy. *US Coast Guard Maritime Commons* [Online]. 3 October 2016. Available from:

<http://mariners.coastguard.dodlive.mil/2016/10/03/remembering-el-faro/> It has been one year since the tragic loss of the cargo ship *El Faro* and her 33 crew members

Accident Investigation Report 19/2016: Fall from tug *Svitzer Moira* with loss of 1 life,

December 29, 2015. *UK Marine Accident Investigation Branch (MAIB)* [Online]. 7 October 2016.

Available from: <https://www.gov.uk/maib-reports/fall-from-tug-svitzer-moira-with-loss-of-1-life>

This reports the MAIB's investigation into the fatal accident when a crew member fell and was crushed as the tug *Svitzer Moira* was being manoeuvred alongside an unmanned tug at Royal Portbury Dock, Bristol on 29 December 2015. [Report](#) 

PLA Media Statement (Confirming accident and loss of life). *Port of London Authority (PLA)* [Online]. 6 October 2016. Available from: <http://www.pla.co.uk/PLA-Media-Statement>
The Port of London Authority (PLA) has confirmed that last night at around 6.10 pm one of its pilots was involved in an accident while boarding a ship, *Sunmi*, in Gravesend Reach.

Bunker Tanker Collides with Cargo Ship in Tokyo Bay. *Ship & Bunker* [Online]. 10 October 2016. Available from: <http://shipandbunker.com/news/apac/321134-bunker-tanker-collides-with-cargo-ship-in-tokyo-bay> A bunker tanker has been involved in a collision with a cargo ship in Tokyo Bay off Japan's port of Kawasaki, according to a release published Saturday by Maritime Herald.

Passengers injured after ferry crash at Circular Quay. By Georgina Mitchell and Matt O'Sullivan. *Sydney Morning Herald (Australia)* [Online]. 12 October 2016. Available from: <http://www.smh.com.au/nsw/passengers-injured-after-ferry-crash-at-circular-quay-20161011-grzwry.html>  Five people have been taken to hospital after a ferry crashed into a pier at Circular Quay, leaving 18 people injured, one seriously.

Norwegian Joy Catches Fire at Meyer Werft. *World Maritime News* [Online]. 11 October 2016. Available from: <http://worldmaritimenews.com/archives/203770/norwegian-joy-catches-fire-at-meyer-werft/> A fire broke out on the cruise ship newbuilding *Norwegian Joy* at Meyer Werft shipyard in Papenburg, Germany, on the morning of October 8, 2016.

Accident Investigation Report 20/2016: Collision between the stern trawler *Karen* and a dived Royal Navy submarine. *UK Marine Accident Investigation Branch (MAIB)* [Online]. 12 October 2016. Available from: <https://www.gov.uk/maib-reports/collision-between-the-stern-trawler-karen-and-a-dived-royal-navy-submarine> On 15 April 2015, a dived Royal Navy submarine snagged the fishing gear of the UK registered trawler *Karen*, east of Ardglass, Northern Ireland. [Report](#)  [Annexes](#) 

Update: *Transocean Winner* awaiting final approvals. *UK Maritime & Coastguard Agency* [Online]. 14 October 2016. Available from: <http://hmcoastguard.blogspot.co.uk/2016/10/update-transocean-winner-awaiting-final.html> Sea fastening work to make the *Transocean Winner* rig ready for its journey on the back of the Hawk heavy lift vessel has been completed and signed off.

Statoil: Well Control Incident on *Songa Endurance* Rig in North Sea. By Mike Schuler. *gCaptain* [Online]. 15 October 2016. Available from: <https://gcaptain.com/statoil-well-control-incident-on-songa-endurance-rig-in-north-sea/> Statoil reported a well control incident on its contracted drilling rig *Songa Endurance* on Saturday while at the Troll field in the Norwegian North Sea.

***Bella Bella* diesel spill cleanup complicated by severe weather.** By Jon Hernandez. *Canadian Broadcasting Corporation (CBC)* [Online]. 14 October 2016. Available from: <http://www.cbc.ca/news/canada/british-columbia/bella-bella-diesel-spill-cleanup-complicated-by-severe-weather-1.3806058> A tug boat that ran aground near *Bella Bella* loaded with 59,924 gallons of diesel fuel has reignited calls to ban tanker traffic in B.C. waters.

32 bodies found in Myanmar ferry disaster as death toll mounts. *New Straits Times Online (Malaysia)* [Online]. 17 October 2016. Available from: <http://www.nst.com.my/news/2016/10/181041/32-bodies-found-myanmar-ferry-disaster-death-toll-mounts> Searchers have recovered 32 bodies after an overloaded ferry sank in central Myanmar and expect to find dozens more dead, officials said Monday, as workers began raising the boat from the riverbed.

Five dead as Sagaing ferry capsizes. By Maung Zaw. *Myanmar Times* [Online]. 17 October 2016. Available from: <http://www.mmtimes.com/index.php/national-news/mandalay-upper-myanmar/23124-five-dead-as-sagaing-ferry-capsizes.html> Though 160 of the passengers aboard the Aung Soe Moe Kyaw ferry have been rescued, there may have been as many as 300 on board, far above the authorised limit, according to survivors.

Investigation number: 319-MO-2015-002: Grounding of *Maersk Garonne*, Fremantle, WA on 28 February 2015. *Australian Transport Safety Bureau (ATSB)* [Online]. 17 October 2016. Available from: http://www.atsb.gov.au/publications/investigation_reports/2015/mair/319-mo-2015-002/ The ATSB investigation found that bridge resource management was not effectively implemented on board *Maersk Garonne*. [Final Report](#) 

Oil cleanup from sunken tug on B.C. central coast criticized as storm looms. By Mark Hume. *Globe and Mail (Canada)* [Online]. 18 October 2016. Available from: <http://www.theglobeandmail.com/news/british-columbia/some-diesel-fuel-safely-pumped-from-sunken-tug-on-bc-central-coast/article32426007/> With a storm threatening to disrupt operations, oil-spill response crews have been busy around the clock pumping fuel out of a tug that ran aground on B.C.'s central coast last week.

Minister Garneau statement on the *Nathan E. Stewart* incident in Seaforth Channel, British Columbia. *Government of Canada* [Online]. 17 October 2016. Available from: <http://news.gc.ca/web/article-en.do?nid=1139189> "Our government's" first priority is the safety and protection of the public and the environment.

Man dies in fall on ship off Tyneside coast. By Josh Halliday. *The Guardian* [Online]. 21 October 2016. Available from: <https://www.theguardian.com/uk-news/2016/oct/21/man-dies-in-fall-on-brasschaat-ship-off-tyneside-coast> A Ukrainian seaman has died after falling from a height on a ship stranded for months off the North Tyneside coast.

Booms fixed after wind spreads diesel fuel from tug sunk near *Bella Bella*. By Yvette Brend. *Canadian Broadcasting Corporation (CBC)* [Online]. 23 October 2016. Available from: <http://www.cbc.ca/news/canada/british-columbia/bella-bella-booms-fail-rough-weather-1.3817829> The booms containing spilled diesel from a sunken tug 20 kilometres west of *Bella Bella* have been fixed, but delays allowed the fuel to spread, along with fears for endangered abalone and other ocean wildlife.

***Transocean Winner* rig arrives in Malta from Lewis.** *BBC News* [Online]. 25 October 2016. Available from: <http://www.bbc.co.uk/news/uk-scotland-highlands-islands-37769037> The *Transocean Winner* rig ran aground at Dalmore on Lewis in a storm while being towed to the Mediterranean.

Six missing after fishing boat collides with oil tanker in east China. *Xinhuanet (China)* [Online]. 29 October 2016. Available from: http://news.xinhuanet.com/english/2016-10/29/c_135790003.htm Six people are missing after a Chinese fishing boat collided with a Greek oil tanker in the sea off east China's Zhejiang Province, maritime authorities said on Saturday.

ENVIRONMENT

High Stakes on the High Seas: A Call for International Reserves. By Nicola Jones.

Yale Environment 360 [Online]. 29 September 2016. Available from: <http://www.goo.gl/kQXb5X>
Marine protected areas in national waters have proven successful in helping depleted fish stocks to recover.

Protesters Say "No Big Ships" in Venice. Maritime Executive [Online]. 29 September 2016.

Available from: <http://www.maritime-executive.com/article/protesters-say-no-big-ships-in-venice>
Protesters took to small boats in Venice last Sunday evening (September 25) to demonstrate against huge cruise ships being allowed to pass through the Italian city's canals.

Hurricane Matthew moves through Caribbean. World Meteorological Organization (WMO)

[Online]. 3 October 2016. Available from: <http://public.wmo.int/en/media/news/hurricane-matthew-moves-through-caribbean>
Hurricane Matthew, an extremely dangerous Category 4 hurricane, is bringing devastating winds and rainfall, and life-threatening flash floods, mud slides and storm surges as it moves through the Caribbean.

Statement on the entry-into-force of the Paris Agreement. WWF [Online]. 4 October 2016.

Available from: http://wwf.panda.org/wwf_news/?280150
The global climate deal agreed in Paris last year has met the minimum requirements for entry-into-force.

Oil tanker site spells danger for dolphins. By David Ross. Herald Scotland [Online].

5 October 2016. Available from:

http://www.heraldscotland.com/news/14783710.Oil_tanker_site_spells_danger_for_dolphins/

The worst marine site in Europe for the safety of dolphins, has been chosen for the planned transfer of up to nine million tonnes of crude oil a year between tankers, according to an expert.

Historic agreement reached to mitigate international aviation emissions.

International Civil Aviation Organization (ICAO) [Online]. 6 October 2016. Available from:

<http://www.icao.int/Newsroom/Pages/Historic-agreement-reached-to-mitigate-international-aviation-emissions.aspx>
Government, industry and civil society representatives have agreed today on a new global market-based measure (GMBM) to control CO2 emissions from international aviation.

Arctic Council advances environmental protection and sustainable development in Portland, Maine. Arctic Council [Online]. 6 October 2016. Available from:

<http://www.arctic-council.org/index.php/en/our-work2/8-news-and-events/425-sao-oct-2016-post-release>
Senior officials from the Arctic Council's eight member States and six indigenous Permanent Participant organizations (PPs) concluded their latest meeting in Portland, Maine on 6 October 2016.

A global climate deal for aviation! So what next? By James Beard, Climate and Energy Specialist, World Wildlife Fund. Climate Home [Online]. 11 October 2016. Available from:

<http://www.climatechangenews.com/2016/10/11/a-global-climate-deal-for-aviation-so-what-next/>
The 191 countries in the International Civil Aviation Organization (ICAO) have agreed a carbon offsetting scheme for international aviation.

Uncharted waters: Mega-cruise ships sail the Arctic. By Gwladys Fouche. Reuters

[Online]. 10 October 2016. Available from: <http://www.reuters.com/article/us-environment-shipping-arctic-idUSKCN12A14B>
A surge in Arctic tourism is bringing ever bigger cruise ships to the formerly isolated, ice-bound region, prompting calls for a clamp-down to prevent *Titanic*-style accidents and the pollution of fragile eco-systems.

Rwanda sets its sights on a historic international deal. By Lou Del Bello. *Climate Home* [Online]. 10 October 2016. Available from: <http://www.climatechangenews.com/2016/10/10/rwanda-sets-its-sights-on-a-historic-international-deal/> Its own cooling system may leak, but Kigali Convention Centre is hosting a revolution in climate-friendly air conditioning

Explainer: Why a UN climate deal on HFCs matters. By Sophie Yeo. *Carbon Brief* [Online]. 10 October 2016. Available from: <https://www.carbonbrief.org/explainer-why-a-un-climate-deal-on-hfcs-matters> The agreement means that developed countries will start to limit their use of HFCs by at least 10% from 2019.

Report Proposes New Research Framework to Understand Cumulative Impacts of Human Activities on Marine Mammals. *US National Academies of Sciences* [Online]. 7 October 2016. Available from: <http://www8.nationalacademies.org/onpinews/newsitem.aspx?RecordID=23479> Rising levels of noise in the ocean have been identified as a growing concern for the well-being of marine mammals, but other threats such as pollution, climate change, and prey depletion by fisheries may also harm marine mammals and influence their response to additional noise.

Approaches to Understanding the Cumulative Effects of Stressors on Marine Mammals (2016). *National Academies Press* [Online]. October 2016. Available from: <https://www.nap.edu/catalog/23479/approaches-to-understanding-the-cumulative-effects-of-stressors-on-marine-mammals> Marine mammals face a large array of stressors, including loss of habitat, chemical and noise pollution, and bycatch in fishing, which alone kills hundreds of thousands of marine mammals per year globally.

Arctic Nations and NGOs Address Need to Defend Pristine Arctic Waters from World's Dirtiest Fuel: Indigenous Arctic Speakers to Address IMO. *Hellenic Shipping News* [Online]. 13 October 2016. Available from: <http://www.goo.gl/Nl26G2> As polar ice recedes, increased arctic vessel traffic increases the urgency to protect fragile arctic marine environments and communities that depend on them.

Charting a course to a sustainable 'blue economy' in Melanesia. *University of Queensland (Australia)* [Online]. 18 October 2016. Available from: <http://www.uq.edu.au/news/article/2016/10/charting-course-sustainable-blue-economy%E2%80%99-melanesia> Marine scientists have proposed a prosperity path for Melanesia, in a report that values the region's ocean assets at more than half a trillion US dollars.

Largest sea survey operation in Bahrain carried out. *Bahrain News Agency* [Online]. 18 October 2016. Available from: <http://www.bna.bh/portal/en/news/750666> Survey and Land Registration Bureau (SLRB) President Shaikh Salman bin Abdulla bin Hamad Al-Khalifa today received a delegation from the US Navy led by Kerry Legendary marking the completion of the sea survey operations in the northern area of the Kingdom of Bahrain, which was implemented in cooperation between Bahrain and US Navy.

The Polar Code will protect the environment of the Arctic. *European Community Shipowners' Associations (ECSA)* [Online]. 19 October 2016. Available from: <http://www.ecsa.eu/news-and-media/9-latest-news/276-the-polar-code-will-protect-the-environment-of-the-arctic> The International Code for ships operating in polar waters (Polar Code) will enter into force on January 2017 and applies to ships operating in Arctic and Antarctic waters.

IPCC Agrees Outlines of New Reports in Support of Paris. *United Nations Framework Convention on Climate Change (UNFCCC)* [Online]. 21 October 2016. Available from: <http://newsroom.unfccc.int/paris-agreement/ipcc-agrees-outlines-of-new-reports-in-support-of-paris/> The Intergovernmental Panel on Climate Change (IPCC) has agreed the outlines of two new reports that will help governments implement the Paris Climate Change Agreement.

Globally Averaged CO₂ Levels Reach 400 parts per million in 2015. *World Meteorological Organization (WMO)* [Online]. 24 October 2016. Available from: <http://public.wmo.int/en/media/press-release/globally-averaged-co2-levels-reach-400-parts-million-2015> Globally averaged concentration of carbon dioxide in the atmosphere reached the symbolic and significant milestone of 400 parts per million for the first time in 2015 and surged again to new records in 2016 on the back of the very powerful El Niño event, according to the World Meteorological Organization's annual Greenhouse Gas Bulletin. [WMO Greenhouse Gas Bulletin](#) 

COP21 has changed the climate of the environmental debate. *Naval Architect* [Online]. November 2016. Available from: http://www.rina.org.uk/COP21_has_changed_the_climate_of_the_environmental_debate.html The Financial crisis more or less coincided with the uninspiring Copenhagen Climate Conference in 2009, resulting in Governments having other things to focus on than climate change.

Melanesia's oceans are worth US\$5.4 billion but are at environmental crossroads. By Tyrone Ridgway and Ove Hoegh-Guldberg, Global Change Institute University of Queensland. *The Conversation* [Online]. 25 October 2016. Available from: <https://theconversation.com/melanesias-oceans-are-worth-us-5-4-billion-but-are-at-environmental-crossroads-67545> Earth is distinguished from all other known planets by the presence of a warm, salty ocean that covers over 70% of its surface.

Reviving Melanesia's Ocean Economy: The case for action. *WWF* [Online]. October 2016. Available from: <http://www.goo.gl/o2AhnM>  This report comprises an analysis of the direct economic and societal values of the ocean assets of the Melanesian region (Fiji, New Caledonia, Papua New Guinea, Solomon Islands and Vanuatu) and foreshadows the losses that are likely to occur if the current pressures on the ocean are not addressed.

Pacific States lead from the front in shipping's climate change debate in London. By Nitish Narayan. *Pacific Islands Development Forum (PIDF)* [Online]. 26 October 2016. Available from: <http://pacificidf.org/pacific-states-lead-from-the-front-in-shippings-climate-change-debate-in-london/> Global attention on climate change is focused this week on the role of shipping as the International Maritime Organisation meets in London.

One country holds the power over sulfur decision. By Louise Vogdrup-Schmidt. *ShippingWatch* [Online]. 25 October 2016. Available from: <http://shippingwatch.com/secure/carriers/article9099893.ece> One single country holds the power this week at the IMO meeting to decide whether sulfur requirements should be implemented in 2020 or 2025, several sources tell ShippingWatch.

Indigenous leaders head to London to lobby for stronger Arctic shipping regulations. By Sima Sahar Zerehi. *Canadian Broadcasting Corporation (CBC)* [Online]. 25 October 2016. Available from: <http://www.cbc.ca/news/canada/north/polar-code-international-shipping-arctic-1.3818865> The international regulator for marine shipping is meeting this week to continue discussions on Arctic regulations — but coastal Indigenous communities who will be most affected by the regulations don't have a seat at the table.

West Africa Is Being Swallowed by the Sea. By Matteo Fagotto. *Foreign Policy* [Online]. 21 October 2016. Available from: <http://foreignpolicy.com/2016/10/21/west-africa-is-being-swallowed-by-the-sea-climate-change-ghana-benin/> The tide is just starting to come in when David Buabasah begins nervously checking the waters creeping up the coastline toward his partially destroyed home.

Panama Canal Launches Environmental Premium Ranking to Recognize Ships with High Environmental Efficiency. *Panama Canal Authority* [Online]. 31 October 2016. Available from: <https://www.pancanal.com/eng/pr/press-releases/2016/10/31/pr612.html> Today, the Panama Canal launched the Environmental Premium Ranking, a new initiative that rewards customers who meet high environmental efficiency standards.

UN biodiversity report identifies risks and uncertainties of novel strategies to tackle climate change. *Convention on Biological Diversity* [Online]. 31 October 2016. Available from: <https://www.cbd.int/doc/press/2016/pr-2016-10-31-ts84-en.pdf>  The Convention on Biological Diversity (CBD) has published a detailed assessment of the implications of using climate geoengineering to limit global warming.

ENVIRONMENTAL POLLUTION

Seychelles' agencies tested for oil spill response through EU-funded project. By Patsy Athanase and Sharon Uranie. *Seychelles News Agency* [Online]. 29 September 2016. Available from: <http://www.goo.gl/rOWu5C> Seychelles has a comprehensive oil spill plan but it needs to be tested regularly, a European Union (EU) official said on Thursday.

BP's Clair oil platform shut down while leak investigated. *STV News (Scotland)* [Online]. 2 October 2016. Available from: <http://stv.tv/news/north/1368767-bp-s-clair-oil-platform-shut-down-while-leak-investigated/> BP said oil from its Clair platform spilled into the sea on Sunday morning but the size of the leak is unclear.

BP's Clair oil platform shut down after leak. *BBC News* [Online]. 3 October 2016. Available from: <http://www.bbc.co.uk/news/uk-scotland-north-east-orkney-shetland-37535523> BP has shut down one of its oil platforms, about 75km to the west of Shetland, because of a leak.

North Sea oil spill heading away from land, says BP. *Herald Scotland* [Online]. 2 October 2016. Available from: http://www.heraldscotland.com/news/14778935.North_Sea_oil_spill_heading_away_from_land_says_BP/ BP has not yet revealed how much fuel has escaped from the structure, which is 75km (46 miles) west of Shetland.

Baltic Sea ECA Leads to "Radical" Fall in SOx Emissions: Finnish Meteorological Institute. *Ship & Bunker* [Online]. 4 October 2016. Available from: <http://shipandbunker.com/news/emea/716855-baltic-sea-eca-leads-to-radical-fall-in-sox-emissions-finnish-meteorological-institute> The Baltic Ports Organization (BPO) says a report presented by the Finnish Meteorological Institute, "Emissions from Baltic Sea shipping in 2015," at the HELCOM Maritime Working Group meeting last month suggested a "radical" fall in SOx emissions related to Baltic Sea's sulfur emission control area (ECA).

Meech, Tolson to Collaborate on New Global Sulfur Regulations Impact Study.

Ship & Bunker [Online]. 5 October 2016. Available from:

<http://shipandbunker.com/news/world/175189-meech-tolson-to-collaborate-on-new-global-sulfur-regulations-impact-study>

Marine Energy Consulting Ltd. (MECL) and 20|20 Marine Energy (20|20) Wednesday announced they will work together on a comprehensive evaluation of the impact of MARPOL Annex VI global sulfur regulations on the shipping industry, which mandate the use of bunkers with a sulphur content of less than 0.5 percent on a global basis.

Statement regarding *Clair* oil release. BP P.L.C. [Online]. 4 October 2016. Available from:

http://www.bp.com/en_gb/united-kingdom/media/press-releases/statement-regarding-clair-oil-release1.html

Oil spill and environmental experts from BP, Oil Spill Response Limited (OSRL) and the Department for Business, Energy and Industrial Strategy (BEIS) have been working together to assess any potential environmental impacts.

MPA to Test New Procedure for Oil Spill Clean Ups in Multi-Agency Joint Oil Spill Exercise - JOSE 2016. *Maritime and Port Authority of Singapore (MPA)* [Online].

7 October 2016. Available from: <http://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/529ac923-0cce-4f21-8155-f2401b7551b7>

The multi-agency joint oil spill exercise was conducted today as part of an on-going effort to ensure our ports remain safe, secure and clean for the international shipping community.

North Sea oil spills reach record high. By Neil Mackay. *Herald Scotland* [Online].

9 October 2016. Available from:

http://www.heraldscotland.com/news/14791148.North_Sea_oil_spills_reach_record_high/

Spills from North Sea oil rigs have reached a 14-year high, according to a UK Government report obtained by the Sunday Herald.

Oil leakage from damaged *Transocean Winner* rig. *BBC News* [Online]. 7 October 2016.

Available from: <http://www.bbc.co.uk/news/uk-scotland-highlands-islands-37584509>

Counter pollution measures have been taken after leakage of hydraulic or gear oil was spotted from the *Transocean Winner* rig.

Deepwater Horizon oil disaster extends its toxic reach. By Linda Marsa. *Newsweek*

[Online]. 10 October 2016. Available from: <http://europe.newsweek.com/deepwater-horizon-bp-oil-spill-sickened-gulf-residents-508362>

🗣️ A deep-sea diver and marine biologist, he was taking a TV news crew out on a 30-foot catamaran to one of his favorite spots in the Gulf of Mexico, a coral reef growing on an abandoned oil platform at Main Pass 311.

Kirby Tug Leaking Fuel After Running Aground in British Columbia [Incident Photos].

By Mike Schuler. *gCaptain* [Online]. 13 October 2016. Available from:

<https://gcaptain.com/tug-leaking-fuel-after-running-around-in-british-columbia/> 🗣️

The tug, *Nathan E. Stewart*, belonging to Houston-based Kirby Corporation, ran aground just after 1 a.m. Thursday on a reef at the entrance to Sea Forth Channel on Athlone Island.

Shipping 'progressives' call for industry carbon emission cuts. By John Vidal.

The Guardian [Online]. 19 October 2016. Available from:

<https://www.theguardian.com/environment/2016/oct/19/shipping-progressives-call-for-industry-carbon-emission-cuts>

Many of the world's biggest shipowners and charterers have called on heads of state to take swift action to force carbon emission cuts on their industry which is the only sector in the world not now bound by climate change targets.

New Report suggests shipping needs to start its decarbonisation imminently.

Low Carbon Shipping & Shipping in Changing Climates [Online]. 18 October 2016. Available from: <http://www.goo.gl/PZzy8z> Lloyd's Register (LR) and Shipping in Changing Climates, a \$4m multi-university and cross industry research project funded by EPSRC, has today released Low Carbon Pathways 2050 – a new study that details a number of potential pathways for the shipping industry's transition to a low carbon future.

Low carbon pathways 2050. *Lloyd's Register* [Online]. October 2016. Available from: <http://www.goo.gl/inVk0O>  The greenhouse gas (GHG) emissions of shipping are a consequence of the carbon intensity of shipping's energy supply, the energy efficiency of shipping, and the demand for shipping.

Maersk involved in illegal toxic waste trafficking. *NGO Shipbreaking Platform* [Online]. 27 October 2016. Available from: <http://www.shipbreakingplatform.org/platform-news-maersk-involved-in-illegal-toxic-waste-trafficking/> The Maersk-owned floating oil production and storage tanker, North Sea Producer, left the UK in May 2016 and was directly towed to Bangladesh, where it arrived on 14 August 2016.

Conservation and wildlife groups warn of 'severe threat' from ship-to-ship oil transfer plans at the mouth of the Cromarty Firth. By Greg Russell. *The National (Scotland)* [Online]. 27 October 2016. Available from: <http://www.goo.gl/0E8e69> A coalition of conservation and wildlife groups has said it believes an internationally important area for dolphins and seabirds is under "severe threat" from proposals to carry out ship-to-ship (STS) oil transfers.

B.C. oil spill shows what can go wrong under difficult conditions. By Mark Hume. *Globe and Mail (Canada)* [Online]. 30 October 2016. Available from: <http://www.theglobeandmail.com/news/british-columbia/bc-oil-spill-shows-what-can-go-wrong-under-difficult-conditions/article32588037/> Crews fighting to contain fuel leaking from a sunken tug near *Bella Bella*, B.C., have had to deal with just the kind of conditions predicted in a spill response analysis filed with the National Energy Board in the Trans Mountain pipeline hearings.

HEALTH

Ship emissions: Monitoring, enforcement and human health. *Green4Sea* [Online]. 29 September 2016. Available from: <http://www.green4sea.com/ship-emissions-monitoring-enforcement-and-human-health/> Europe has an estimated 80,000 ship-visits to ports each year, and many of those ships burn cheap, low-quality fuel that creates polluting exhaust emissions, containing sulphur, nitrogen oxides and particulate matter.

New Guidance Released on Seafarer Mental Health. *Maritime Executive* [Online]. 14 October 2016. Available from: <http://www.maritime-executive.com/article/new-guidance-released-on-seafarer-mental-health> A new publication *Managing Traumatic Stress - Guidance for Maritime Organisations* aims to provide top-level guidance to senior management to help improve the mental health of seafarers.

Managing Traumatic Stress: Guidance for maritime organisations. *Human Rights at Sea (HRAS)* [Online]. October 2016. Available from: <https://www.humanrightsatsea.org/wp-content/uploads/2016/09/Managing-Traumatic-Stress-dps.pdf>  Most people who are exposed to traumatic incidents cope well, though many will experience short term distress.

HEALTH AND SAFETY

Travelers can now get 1st comprehensive reports of cruise-ship crime, led by Phoenix man's efforts. By Robert Anglen. *Arizona Republic (US)* [Online]. 6 October 2016.

Available from:

<http://www.azcentral.com/story/money/business/consumers/2016/10/06/travelers-can-now-get-1st-comprehensive-reports-cruise-ship-crime-led-phoenix-mans-efforts/91558772/> 

Oceangoing travelers for the first time can see what crimes are being reported aboard ships operating in U.S. ports - and the numbers compared with last year could make some of them seasick....

IMO

Liberia Celebrates World Maritime Day in New Kru Town. *Front Page Africa* [Online].

5 October 2016. Available from: <http://www.frontpageafricaonline.com/index.php/news/2204>

The United Seamen, Ports and General Workers' Union of Liberia (USPAGWUL), with support from APM Terminal Liberia and other partners, have commemorated World Maritime Day (WMD) in the Borough of New Kru Town.

IMO Secretary-General Lim looks to become bridge between developed and developing countries [Interview with Kitack Lim]. *Arirang News (South Korea)* [Online]. 6 October 2016.

Available from: http://www.arirang.com/News/News_View.asp?nseq=196183  He's the first Korean national to take up the position since the organization was founded in 1948.

How the GloMEEP project is trying to nurture efficiency in shipping. By Gary Peters.

Ship-Technology.Com [Online]. 11 October 2016. Available from: <http://www.ship-technology.com/features/featurehow-the-glomeep-project-is-trying-to-nurture-efficiency-in-shipping-5023407/> It's been almost a year since the COP21 talks concluded, described by former French foreign minister Laurent Fabius as the "historic turning point" in the fight to lower emissions and slow the effects of climate change.

ESPO believes it is time for IMO to deliver on environmental performance of shipping.

European Sea Ports Organization (ESPO) [Online]. 12 October 2016. Available from: <http://www.espo.be/media/2016.10.12%20Statement%20in%20view%20IMO%20MEPC%2070.pdf>  Even if shipping is still the most energy efficient transport mode, the shipping sector must contribute to achieving the global climate change reduction target.

Moving toward cleaner fuels: Complications, controversy and (some) confusion.

By Clay Maitland, International Registries, Inc. *Splash 24/7* [Online]. 14 October 2016.

Available from: <http://splash247.com/moving-toward-cleaner-fuels-complications-controversy-confusion/> The debate over emissions from commercial ships is based on Annex VI of the MARPOL Convention, pushed forward by the recent global Paris Accords on reduction and elimination of global warming.

SSI calls on IMO and member states to show urgent leadership to ensure shipping industry.... *Hellenic Shipping News* [Online]. 14 October 2016. Available from:

<http://www.goo.gl/KJgUhz> The Sustainable Shipping Initiative ("SSI"), a pioneering coalition of companies from across the global shipping industry, today set out what it believes are the required immediate actions for creating a framework to reduce Greenhouse Gas (GHG) emissions from shipping.

Parliament's Industry Committee Confirms IMO Regulatory Role on CO2 Emissions.

European Community Shipowners' Associations (ECSA) [Online]. 13 October 2016.

Available from: <http://www.ecsa.eu/9-latest-news/275-parliament-s-industry-committee-confirms-imo-regulatory-role-on-co2-emissions> The Industry Committee, ITRE, of the European Parliament today reached an important agreement concerning the revision of the EU emission trading system (ETS) directive.

Singapore to Assist IMO Member States to Prepare for Audit under IMO Member State Audit Scheme (IMSAS). *Maritime and Port Authority of Singapore (MPA)* [Online].

17 October 2016. Available from: <http://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/8609a49f-4652-4112-ad96-762da3bba536> The Maritime and Port Authority of Singapore's (MPA) training arm, the MPA Academy (MPAA) is conducting its first regional workshop on the IMSAS in Singapore from 17 to 21 October 2016 for 26 participants from the Asia and Arab regions.

IMO's Secretary General Briefed on Dubai Maritime Sector. *Zawya / Thomson Reuters* [Online]. 15 October 2016. Available from:

http://www.zawya.com/mena/en/story/IMOs_Secretary_General_Briefed_on_Dubai_Maritime_Sector_-ZAWYA20161015074842/ A high-level delegation from Dubai to the International Maritime Organization (IMO) headquarters in London has given a presentation on Dubai's maritime achievements and competitiveness to His Excellency (H.E.) Kitack Lim, the IMO Secretary General. Mr Lim said he was pleased to learn about Dubai's prominent maritime features and achievements during the presentation.

Shipping Industry United in Seeking Further Progress on CO2 at Critical IMO Meeting.

International Chamber of Shipping (ICS) [Online]. 19 October 2016. Available from:

<http://www.ics-shipping.org/news/press-releases/2016/10/19/shipping-industry-united-in-seeking-further-progress-on-co2-at-critical-imo-meeting> In advance of next week's critical meeting of the Marine Environment Protection Committee (MEPC 70) at the International Maritime Organization (IMO) in London, the global shipping industry has called on IMO Member States to give serious consideration to a joint industry submission regarding the need for further progress on addressing the sector's CO2 emissions.

The heat is on at MEPC 70. By Craig Eason. *Lloyd's List* [Online]. 19 October 2016.

Available from: <https://www.lloydslist.com/ll/sector/regulation/article540130.ece> Three separate debate topics at next week's Marine Environment Protection Committee at the International Maritime Organization suggest how seriously the UN agency is taking CO2 emissions from shipping.

Fears persist as IMO sulphur decision looms. By Adam Corbett. *TradeWinds* [Online].

20 October 2016. Available from: <http://www.tradewindsnews.com/weekly/1174265/fears-persist-as-imo-sulphur-decision-looms> IMO prepares to mandate 2020 as the year for a new global sulphur cap on fuel despite concerns the move could trigger turmoil.

FACTBOX: Winners and losers from a 0.5% IMO bunker sulfur limit. By Jack Jordan.

Bunkerworld [Online]. 21 October 2016. Available from:

<http://www.bunkerworld.com/news/FACTBOX-Winners-and-losers-from-a-0-5-sulfur-limit-on-bunkers-143447> A committee of the International Maritime Organization (IMO) is meeting in London next week, and is expected to decide whether to impose a new global 0.5% sulfur limit on marine fuels from 2020 or delay it until 2025.

Battle lines drawn for fiery MEPC 70 gathering. By Sam Chambers. *Splash* 24/7 [Online]. 20 October 2016. Available from: <http://splash247.com/battle-lines-drawn-fiery-mepc-70-gathering/> A coalition of shipowners and operators, logistics businesses, suppliers to the maritime industry, industry associations, and NGOs have come out calling for a "clear, ambitious long-term objective" for shipping emissions to be set at MEPC 70.

Arctic Indigenous leaders to push for permanent voice in world maritime body [Interview with Andrew Dumbrille, WWF Canada]. By Levon Sevunts. *Radio Canada International (RCI)* [Online]. 20 October 2016. Available from: <http://www.rcinet.ca/en/2016/10/20/arctic-indigenous-leaders-to-push-for-permanent-voice-in-world-maritime-body/>  Six Arctic Indigenous leaders from Alaska, Canada, and Russia are expected to travel to London next week to address the International Maritime Organization (IMO) regarding the impacts of shipping on food security in the Arctic Indigenous communities, said Andrew Dumbrille, senior specialist in sustainable shipping at WWF Canada.

MEPC must implement changes to MARPOL Annex VI in line with Kigali Agreement on HFCs. *Ship Management International* [Online]. 21 October 2016. Available from: <http://shipmanagementinternational.com/mepc-must-implement-changes-to-marpol-annex-vi-in-line-with-kigali-agreement-on-hfcs/> Oceanic Technical Solutions has welcomed the decision by the United Nations to amend the Montreal Protocol to reduce the use of hydrofluorocarbons (HFCs) in air conditioning and refrigeration systems, but has warned the shipping industry could be left in the cold if the International Maritime Organisation fails to implement similar measures.

IMO Secretary-General Looking Forward to a Decision on Start Date for Global 0.50% Sulfur Cap for Bunkers. *Ship & Bunker* [Online]. 24 October 2016. Available from: <http://shipandbunker.com/news/world/640160-imo-secretary-general-looking-forward-to-a-decision-on-start-date-for-global-050-sulfur-cap-for-bunkers> Mr. Kitack Lim, Secretary-General of the International Maritime Organization (IMO), today in his opening address of the seventieth session of the Marine Environmental Protection Committee (MEPC 70), said he was looking forward to a decision being made this week on whether a global 0.50 percent sulfur cap for marine fuel will come into force in 2020 or 2025.

EU calls for decarbonisation roadmap and global sulphur cap date from MEPC 70. By Anastassios Adamopoulos. *Lloyd's List* [Online]. 24 October 2016. Available from: <https://www.lloydslist.com/ll/sector/ship-operations/article540635.ece> European Commissioner for Transport Violeta Bulc has called on the global shipping industry to commit to an ambitious global climate change plan that would include decarbonisation, a global sulphur cap and emissions-monitoring mechanisms.

UN faces deadlock over shipping climate deal plans. By Ed King. *Climate Home* [Online]. 25 October 2016. Available from: <http://www.climatechangenews.com/2016/10/25/un-faces-deadlock-over-shipping-climate-deal-plans/> Officials from nearly 40 governments made statements through Tuesday afternoon calling for the International Maritime Organisation (IMO) to take a lead in slashing the sector's carbon pollution, but offered little sense of consensus.

UN will force shipping to clean up its act. By Valéry Laramée de Tannenberg. *EurActiv* [Online]. 26 October 2016. Available from: <https://www.euractiv.com/section/transport/news/un-will-force-shipping-to-clean-up-its-act/> The UN's International Maritime Organisation (IMO) is pondering measures to cut shipping pollution and bring emissions into line with the Paris Agreement.

IMO draws up carbon road map in packed HQ. By Adam Corbett. *TradeWinds* [Online]. 26 October 2016. Available from: <http://www.tradewindsnews.com/insight/1184049/imo-draws-up-carbon-road-map-in-packed-hq> Governments and industry were in agreement for once at the International Maritime Organization (IMO) this week as they attempted to draw up a plan to bring shipping's growing greenhouse gas emissions under control.

Will MEPC70 boost LNG as marine fuel? By Karen Thomas. *LNG World Shipping* [Online]. 26 October 2016. Available from: http://www.lngworldshipping.com/news/view,will-mepc70-boost-lng-as-marine-fuel_45152.htm This week, global shipping is focused on London's South Bank, where the International Maritime Organization (IMO) Marine Environment Protection Committee (MEPC) is holding its 70th meeting – amid mounting pressure on delegates to tackle global shipping emissions.

ICS Applauds IMO Road Map for CO2 Reduction by International Shipping. *International Chamber of Shipping (ICS)* [Online]. 31 October 2016. Available from: <http://www.ics-shipping.org/news/press-releases/2016/10/31/ics-applauds-imo-road-map-for-co2-reduction-by-international-shipping> The International Chamber of Shipping (ICS) has applauded the agreement, last Friday, by the IMO Marine Environment Protection Committee (MEPC) to develop a comprehensive Road Map for addressing CO2 emissions from international shipping – with initial CO2 reduction commitments to be agreed by IMO by 2018.

Mayday, Mayday: UN's shipping body needs a climate compass. By Ed King. *Climate Home* [Online]. 31 October 2016. Available from: <http://www.climatechangenews.com/2016/10/31/mayday-mayday-uns-shipping-body-needs-a-climate-compass/> Last week the International Maritime Organization (IMO) released what was billed as the UN body's "climate plan".

European shipowners welcome IMO decisions on global regulation of ship emissions. *European Community Shipowners' Associations (ECSA)* [Online]. 28 October 2016. Available from: <http://www.ecsa.eu/9-latest-news/279-european-shipowners-welcome-imo-decisions-on-global-regulation-of-ship-emissions> The 70th session of the Marine Environment Protection Committee (MEPC) of the International Maritime Organization (IMO) concluded today with a decision on defined tasks and timelines to reduce greenhouse gas (GHG) emissions from ships.

Commission welcomes progress at international level to tackle maritime emissions. *European Commission* [Online]. 28 October 2016. Available from: http://europa.eu/rapid/press-release_IP-16-3545_en.htm The European Commission welcomes progress made this week within the International Maritime Organisation (IMO) to address greenhouse gas emissions in the maritime sector.

IMO spurns opportunity to improve ship energy efficiency. *Transport & Environment* [Online]. 28 October 2016. Available from: <https://www.transportenvironment.org/press/imo-spurns-opportunity-improve-ship-energy-efficiency> Abandoning a review of ship efficiency targets until 2018 at the earliest, the International Maritime Organisation (IMO) today turned down an easy opportunity to act on climate change, environmental groups Transport & Environment (T&E) and Seas at Risk (SAR), members of the Clean Shipping Coalition, have said.

#GHG: International Maritime Organisation shows limited commitment to reducing emissions. *EU Reporter* [Online]. 28 October 2016. Available from: <https://www.eureporter.co/uncategorized/2016/10/28/ghg-international-maritime-organisation-shows-very-limited-commitment-to-reducing-emissions/> The European Commission has welcomed limited progress made this week within the International Maritime Organisation (IMO) to address greenhouse gas emissions in the maritime sector.

No firm CO2 deal at MEPC70. By Sam Chambers. *Splash 24/7* [Online]. 28 October 2016. Available from: <http://splash247.com/no-firm-co2-deal-mepc70/> After the surprise euphoria of Thursday's 0.5% sulphur cap limit by 2020 announcement, shipping reverted to its normal self today with IMO member states failing to agree on how to decarbonise shipping.

IMO Takes "Massive Step" Toward Phase Out of HFO Use in the Arctic: NGOs. *Ship & Bunker* [Online]. 28 October 2016. Available from: <http://shipandbunker.com/news/world/195339-imo-takes-massive-step-toward-phase-out-of-hfo-use-in-the-arctic-ngos> The HFO-Free Arctic Campaign Friday, following news of the decision by the Marine Environment Protection Committee (MEPC) for a 0.5 percent global sulfur cap on marine fuel to be implemented from 2020, called progress made by the International Maritime Organization (IMO) this week at MEPC's 70th session a "massive step" toward the phase out of HFO use by vessels operating in the Arctic.

Positive steps on dirty Arctic fuel at world shipping meeting, but climate discussion lacks urgency. *WWF* [Online]. 28 October 2016. Available from: http://wwf.panda.org/wwf_news/?uNewsID=282830 There were mixed results from the International Maritime Organization's (IMO) meeting on shipping in London this week

International Maritime Organization cuts the bottom out of the barrel. *S&P Global Platts* [Online]. 28 October 2016. Available from: <http://blogs.platts.com/2016/10/28/imo-cuts-bottom-barrel/> "More details to follow." Those were the first words on the International Maritime Organization's Twitter page Thursday afternoon after it imposed a global 0.5% sulfur emission limit on the shipping industry from 2020.

LAW AND POLICY

Commission publishes state-of-play on EU Maritime Transport Strategy. *European Commission* [Online]. 3 October 2016. Available from: https://ec.europa.eu/transport/modes/maritime/news/2016-10-03-commission-publishes-state-play-eu-maritime-transport-strategy_en The report describes actions undertaken in the areas of safety and security, digitalisation, environmental sustainability and decarbonisation and the maritime profession, as well as in the international sphere. [Commission Staff Working Document on the implementation of the EU Maritime Transport Strategy 2009-2018](#) 

Oil and gas drilling plan revisited in Christchurch amid controversy. By Gabrielle Stuart. *New Zealand Herald* [Online]. 3 October 2016. Available from: http://www.nzherald.co.nz/nz/news/article.cfm?c_id=1&objectid=11721382 The risk of a spill, the danger to local endangered species and the lack of public consultation: They were just some of the 46 points the city council raised in a submission against the Government's oil and gas block offer last year.

NZ to roll out funding to combat illegal tuna fishing in RI waters. By Stefani Ribka.

Jakarta Post [Online]. 3 October 2016. Available from:

<http://www.thejakartapost.com/news/2016/10/03/nz-roll-out-funding-combat-illegal-tuna-fishing-ri-waters.html> The New Zealand government has announced a project to help Indonesia combat illegal, unregulated and unreported (IUU) Pacific tuna fishing, following up on a July agreement.

South Africa to beef up ocean environment protection against pollution: Department of Transport. South African Maritime Safety Authority (SAMSA) [Online]. 30 September 2016.

Available from: <https://blog.samsa.org.za/2016/10/02/south-africa-to-beef-up-ocean-environment-protection-against-pollution-department-of-transport/>

The beefing up of ocean environmental protection, particularly pollution prevention as well improvement of labour conditions for seafarers are among a series of initiatives currently being pursued in broad efforts to enhance rejuvenation and development of the maritime sector, the Transport Department confirmed this past week during the global observation of the World Maritime Day 2016.

The Precedent-Setting Timor-Leste and Australia UNCLOS Case. By Hao Duy Phan.

The Diplomat [Online]. 29 September 2016. Available from:

<http://thediplomat.com/2016/09/the-precedent-setting-timor-leste-and-australia-unclos-case/> A recent decision opens the door to compulsory "relationship counselling" between UNCLOS states parties.

Conciliation between the Democratic Republic of Timor-Leste and the Commonwealth of Australia. Permanent Court of Arbitration [Online]. 26 September 2016. Available from:

<https://pca-cpa.org/wp-content/uploads/sites/175/2016/09/Press-Release-No.-4-EN.pdf> 

On 19 September 2016, the Conciliation Commission issued its Decision on Competence in the compulsory conciliation initiated between the Democratic Republic of Timor-Leste and the Commonwealth of Australia under Annex V of the United Nations Convention on the Law of the Sea.

Paris Agreement to enter into force as EU agrees ratification. European Commission

[Online]. 4 October 2016. Available from: http://europa.eu/rapid/press-release_IP-16-3284_en.htm

With today's European Parliament approval of the Paris Agreement ratification - in the presence of European Commission President Jean-Claude Juncker, the United Nation's Secretary General Ban Ki-moon and the President of COP 21 Ségolène Royal - the last hurdle is cleared.

Launch of the European Border and Coast Guard. European Commission [Online].

5 October 2016. Available from: http://europa.eu/rapid/press-release_AGENDA-16-3267_en.pdf 

The European Commission in December proposed to establish a new Agency – designed to meet the new challenges and political realities faced by the EU, both as regards migration and internal security.

Singapore sets out new measures to shape bunkering for the future.

Maritime and Port Authority of Singapore (MPA) [Online]. 5 October 2016. Available from:

<http://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/dc9635ca-9356-4e6f-91ab-a04da0b4f147>

Organised by the Maritime and Port Authority of Singapore (MPA), the Singapore International Bunkering Conference and Exhibition (SIBCON) has anchored itself as the world's largest bunkering conference since its inception in 1988.

Marine spatial planning group inaugurated. *The Namibian* [Online]. 5 October 2016. Available from: <http://www.namibian.com.na/46320/read/Marine-spatial-planning-group-inaugurated> Namibia is exploring the implementation of Marine Spatial Planning (MSP) to facilitate the co-existence of all ocean users for the integrated planning, management and governance of human uses in the Namibian ocean space.

Who's to blame when no one is manning the ship? By Danielle Sullivan Kaminski. *Zelle LLP* [Online]. 4 October 2016. Available from: <http://www.zelle.com/news-publications-487.html> Mikael Makinen, president of Rolls-Royce Marine predicts, autonomous shipping is the future of the maritime industry.

SA, EU sign marine research pact. *Government of South Africa* [Online]. 4 October 2016. Available from: <http://www.sanews.gov.za/south-africa/sa-eu-sign-marine-research-pact> South Africa and the European Union (EU) have signed a declaration to cooperate in marine research and innovation, further cementing their 20-year-old collaboration in science and technology.

Securing Europe's external borders: Launch of the European Border and Coast Guard Agency. *Council of the European Union* [Online]. 6 October 2016. Available from: <http://www.consilium.europa.eu/en/press/press-releases/2016/10/06-launch-ebcg-agency/> On 6 October 2016, the European Border and Coast Guard Agency is being officially launched, less than a year after it was first proposed by the Commission.

'Ambitious programme' to develop maritime industry. *Trinidad and Tobago Newsday* [Online]. 5 October 2016. Available from: <http://www.newsday.co.tt/news/0,234143.html> Ship repair and dry docking, bunkering, transshipment, cold stacking, and yachting infrastructure development have been identified as part of "an ambitious work programme" to develop the local maritime industry says Permanent Secretary in the Ministry of Works and Transport Clint Ramcharan.

Supply ship detained for second time over unpaid crew. By Chris Foote. *STV News (Scotland)* [Online]. 4 October 2016. Available from: <http://stv.tv/news/north/1369072-supply-ship-detained-for-second-time-over-unpaid-crew/> A supply ship has been detained in Scotland for the second time amid claims its crew have not been paid in two months.

Questions & Answers: the new European Border and Coast Guard Agency. *European Commission* [Online]. 6 October 2016. Available from: [http://europa.eu/rapid/press-release MEMO-16-3308 en.htm](http://europa.eu/rapid/press-release_MEMO-16-3308_en.htm) In December 2015, the European Commission proposed the establishment of a European Border and Coast Guard – designed to meet the new challenges and political realities faced by the EU, with regards to both migration and internal security.

Proposed seafarer law upgrade. *Government of Hong Kong* [Online]. 7 October 2016. Available from: <http://www.info.gov.hk/gia/general/201610/07/P2016100700468.htm> The Government has suggested introducing amendments to regulations under the Merchant Shipping (Seafarers) Ordinance to implement the latest requirements of the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (the Convention) to promote the safety of life and property at sea.

Vanuatu and Solomon Islands to conclude historic maritime boundary treaty. *Pacific Community (SPC)* [Online]. 7 October 2016. Available from: <http://www.spc.int/en/media-releases/2646-vanuatu-and-solomon-islands-to-conclude-historic-maritime-boundary-treaty.html> The Pacific Community (SPC) is welcoming the conclusion of 33 years of negotiations between Vanuatu and Solomon Islands with the signing of a Maritime Boundary Agreement between the countries.

Maritime industry: PS leads bid to think local, act global: Interview with Nancy Karigithu, Dept. Shipping and Maritime Affairs. By Martin Mwita. *The Star (Kenya)* [Online].

7 October 2016. Available from: http://www.the-star.co.ke/news/2016/10/07/maritime-industry-ps-leads-bid-to-think-local-act-global_c1433215 Ocean waters under Kenya's jurisdiction cover about 128,015km squared and a distance of 200 nautical miles offshore, while navigable inland waterways cover approximately 10,700 square kilometers.

Boat operators to be prosecuted if they fail to provide patrons with life jackets.

By Dennis Agyei Boateng. *Graphic Online (Ghana)* [Online]. 6 October 2016. Available from: <http://www.graphic.com.gh/news/general-news/boat-operators-to-be-prosecuted-if-they-fail-to-provide-patrons-with-life-jackets.html> Operators of boat services on the Volta Lake who function without making life jackets available for use by their patrons in times of emergency stand to be prosecuted, the Director General of Ghana Maritime Authority (GMA), Rev. Dr Peter Azumah, has stated.

Maritime policy one of the priorities during the Presidency. *Government of Malta* [Online].

6 October 2016. Available from: <http://www.goo.gl/RiTORG> Minister for Transport and Infrastructure Joe Mizzi and Matej Zakonjsek, Head of Cabinet, Commissioner of Transport, European Commission, met in the margins of the Malta Maritime Summit on 5th October 2016.

Vitaly Klyuev says all NSR navigation rules of Russia included into Polar Code. *Port News*

[Online]. 6 October 2016. Available from: <http://portnews.ru/news/227467/> The Russian Federation was taking an active part in the development of the Polar Code, therefore it complies with all requirements and aspects of the Northern Sea Route navigation rules.

Commonwealth urges policy changes to unleash blue economy. *The Commonwealth*

[Online]. 6 October 2016. Available from: <http://thecommonwealth.org/media/press-release/commonwealth-urges-policy-changes-unleash-blue-economy> New research published today by the Commonwealth Secretariat calls for "fundamental changes" to the way the world's oceans, seas and coastal areas are managed.

Watch: Human Rights at Sea Call to Action. *Maritime Executive* [Online]. 2 October 2016.

Available from: <http://www.maritime-executive.com/article/watch-human-rights-at-sea-call-to-action> Videos of some of the speakers at the International Maritime Human Rights Conference 2016 last month have now been released.

Aviation Is First Global Industry to Limit Carbon Emissions. By Camille von Kaenel.

Scientific American [Online]. 7 October 2016. Available from: <https://www.scientificamerican.com/article/aviation-is-first-global-industry-to-limit-carbon-emissions/> Arnold Franck was 1,800 miles away from his island nation of Haiti this week when Hurricane Matthew washed away entire towns and claimed nearly 300 lives.

Indonesia moves closer to ratifying maritime border treaty with Singapore.

By Saifulbahri Ismail. *Channel News Asia* [Online]. 7 October 2016. Available from: <http://www.channelnewsasia.com/news/asiapacific/indonesia-moves-closer-to-ratifying-maritime-border-treaty-with/3187408.html> The two neighbours signed the agreement during former Indonesian President Susilo Bambang Yudhoyono's visit to Singapore in 2014.

Extraordinary Summit on Maritime Security and Safety and Development in Africa - Lomé, October 15, 2016. *African Union* [Online]. October 2016. Available from: <http://www.african-union-togo2015.com/en/sommet/theme>

Over recent decades, the accumulated revenue losses resulting directly from illegal activities in the African maritime sector add up to hundreds of billions of US dollars, without counting the loss of human lives. [Why a summit on maritime security? Infographic](#)

BP withdraws from Great Australian Bight drilling. *ABC (Australia)* [Online].

11 October 2016. Available from: <http://www.abc.net.au/news/2016-10-11/bp-withdraws-from-great-australian-bight-drilling/7921956> BP has announced it will not proceed with plans for exploration drilling in the Great Australian Bight, offshore South Australia.

BP decides not to proceed with Great Australian Bight exploration. *BP P.L.C.* [Online].

11 October 2016. Available from: <http://www.bp.com/en/global/corporate/press/press-releases/bp-decides-not-to-proceed-with-great-australian-bight-exploration.html> BP has taken the decision not to progress its exploration drilling programme in the Great Australian Bight (GAB), offshore South Australia.

The Rising Environmental Toll Of China's Offshore Island Grab. *By Mike Ives.*

Yale Environment 360 [Online]. 10 October 2016. Available from:

http://e360.yale.edu/feature/rising_environmental_toll_china_artificial_islands_south_china_sea/3042/ To stake its claim in the strategic South China Sea, China is building airstrips, ports, and other facilities on disputed islands and reefs.

Singapore Strengthens Maritime Collaboration with Norway.

Maritime and Port Authority of Singapore (MPA) [Online]. 11 October 2016. Available from:

<http://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/4d7c31b2-f50e-4a55-81bf-6b7a5700ebf8> The Maritime and Port Authority of Singapore (MPA), represented by Chief Executive, Mr Andrew Tan, signed a Joint Statement with the Norwegian Ministry of Trade, Industry and Fisheries on 10th October during the State Visit by President Tony Tan Keng Yam to Norway.

Maritime Labour Convention 2006 As Amended (MLC) Financial Security Requirements.

West of England P&I Club [Online]. October 2016. Available from:

<http://www.westpandi.com/Publications/Notice-to-Members/notice-to-members-no.-17-20162017/> Reference is made to Notice to Members No. 13 2016/2017 which informed Members of the amendments to the Maritime Labour Convention 2006 which will enter into force on 18 January 2017.

Italy judge jails three for 20 years each over deadly 2015 migrant voyage.

By Wladimiro Pantaleone and Isla Binnie. *Reuters* [Online]. 12 October 2016.

Available from: <http://www.reuters.com/article/us-europe-migrants-italy-sentence-idUSKCN12C2FT> An Italian judge sentenced three men to 20 years each in jail on Wednesday for their role in packing hundreds of migrants into a boat in which 49 suffocated in the Mediterranean last August, a legal source said.

India inks pacts to secure ships beyond its seas. *By Raja Pandit.* *Times of India* [Online].

13 October 2016. Available from: <http://timesofindia.indiatimes.com/India/India-inks-pacts-to-secure-ships-beyond-its-seas/articleshow/54822311.cms> India is steadily stitching up "white shipping" pacts with different countries for reciprocal exchange of information on merchant vessels to bolster its maritime domain awareness (MDA) and tackle threats emanating from the sea.

Coast Guard holds maritime live-fire drill, sends message to illegal fishers.

Yonhap News Agency (South Korea) [Online]. 13 October 2016. Available from:

<http://www.goo.gl/XfB5kR> South Korea's Coast Guard held a live-fire exercise Thursday to send a strong message to Chinese vessels illegally fishing in its waters, following a sinking of its patrol boat last week.

Maritime Safety, Security and Development in Africa. By Carlos Lopes.

Rwanda News Agency [Online]. 12 October 2016. Available from:

<http://www.rnnews.com/regional/12216-maritime-safety-security-and-development-in-africa>

Africa boasts of an abundance of natural resources, in particular aquatic and marine resources, with a potential that has not yet been fully tapped in the context of economic growth and sustainable development.

China Focuses on Robust Enforcement of Clean Marine Fuels. By Barbara Finamore, Senior Attorney, China Program. *Natural Resources Defense Council (NRDC)* [Online].

13 October 2016. Available from: <https://www.nrdc.org/experts/barbara-finamore/china-focuses-robust-enforcement-clean-marine-fuels> October 1st is China's National Day, but this year it also marked an important day for controlling shipping pollution: Shenzhen, the world's third biggest container port, started early enforcement of China's national Domestic Emission Control Area (DECA) regulations.

AU Commission Chairperson urges Member States to train, create jobs and wealth in the maritime industry. *African Union* [Online]. 13 October 2016. Available from:

<http://www.au.int/en/pressreleases/31488/au-commission-chairperson-urges-member-states-train-create-jobs-and-wealth>

"The economic value of the Blue Economy for Africa is estimated at over one trillion US Dollars, with hundreds of thousands of job opportunities for young African women and men".

Nigeria will effectively implement the IOPC Fund – NIMASA DG. By 'Wale Williams-Smith.

Today (Nigeria) [Online]. 16 October 2016. Available from:

<https://www.today.ng/news/nigeria/197981/nigeria-effectively-implement-iopc-fund-nimasa>

The Federal Government of Nigeria has expressed its commitment to the implementation of the 1992 International Civil Liability Convention and the 1992 International Oil Pollution Compensation (IOPC) Fund.

President Uhuru roots for continental maritime safety. *The Star (Kenya)* [Online].

15 October 2016. Available from: http://www.the-star.co.ke/news/2016/10/15/video-president-uhuru-roots-for-continental-maritime-safety_c1438741

President Uhuru Kenyatta today joined other African leaders in pushing for the signing of a charter that will entrench the continent's maritime security and safety.

African Leaders adopt Charter on Maritime Security, Safety and Development.

African Union [Online]. 15 October 2016. Available from:

<http://www.au.int/en/pressreleases/31500/african-leaders-adopt-charter-maritime-security-safety-and-development>

African Heads of State and Government have adopted and signed the African Charter on Maritime Security, Safety and Development on Saturday, 15 October 2016 at the Extraordinary Summit of Heads of State and Government.

Green groups sue Norwegian government to block Arctic oil. By Megan Darby.

Climate Home [Online]. 18 October 2016. Available from:

<http://www.climatechangenews.com/2016/10/18/green-groups-sue-norwegian-government-to-block-arctic-oil/>

Green groups are suing the Norwegian government to block oil drilling in the Arctic, on climate change grounds.

ICS asks Canada to reconsider proposed ban on crude oil shipment.

Seatrade Maritime News [Online]. 18 October 2016. Available from: <http://www.seatrade-maritime.com/news/americas/ics-asks-canada-to-reconsider-proposed-ban-on-crude-oil-shipment.html>

The International Chamber of Shipping has written to the Canadian Government asking it to reconsider its proposal for a moratorium on the shipment of crude oil in the waters of Northern British Columbia, adjacent to Alaska.

ITF Says Captain of FOC 'Ship of Death' Should be Charged. *Maritime Union of Australia* [Online]. 18 October 2016. Available from:

http://www.mua.org.au/itf_says_captain_of_foc_ship_of_death_should_be_charged

The International Transport Workers' Federation has called for the Coroner to recommend charging the captain of the *MV Sage Sagittarius* in connection with mysterious deaths at sea.

Focus turns to Karigithu for enforcement of Togo pact on maritime issues.

By Sandra Chao-Blasto. *Business Daily (Kenya)* [Online]. 18 October 2016. Available from:

<http://www.businessdailyafrica.com/Focus-turns-to-Karigithu-for-enforcement-of-Togo-pact/1248928-3421678-un3ys7z/>

Focus is set to shift to the State Department for Maritime and Shipping Affairs following the signing and adoption of the African Union (AU) Charter on Maritime Security, Safety and Development in Africa on October 15.

Belize to begin oil exploration near threatened World Heritage site. *WWF* [Online].

17 October 2016. Available from: http://www.panda.org/wwf_news/?281576/Belize-to-begin-oil-exploration-near-threatened-World-Heritage-site The Central American country of Belize today announced plans for the start of oil offshore exploration across a vast stretch of its Caribbean Sea waters.

Maritime highway officially has new route. **By Farida Susanty.** *Jakarta Post* [Online].

20 October 2016. Available from: <http://www.thejakartapost.com/news/2016/10/20/maritime-highway-officially-has-new-route.html> The government has decided to revise the routes of President Joko "Jokowi" Widodo's flagship maritime highway, as it expects to boost the program's effectiveness and efficiency to reduce wide price disparity in the country.

Stephen Hume: Small oil spill near Bella Bella highlights response deficiencies.

By Stephen Hume. *Vancouver Sun (Canada)* [Online]. 19 October 2016. Available from:

<http://vancouver.sun.com/opinion/columnists/stephen-hume-small-oil-spill-near-bella-bella-highlights-response-deficiencies>

In February, the province said a new law would require oil companies to have a "world-leading" response to oil spills on land, thus meeting one requirement for heavy oil pipelines.

Fulfilling the promise of the Lomé maritime summit. **By Timothy Walker and**

Barthelemy Blede. *Institute for Security Studies (ISS)* [Online]. 21 October 2016.

Available from: <https://issafrica.org/iss-today/fulfilling-the-promise-of-the-lome-maritime-summit>

A groundbreaking new maritime document, which has been considered and discussed at the highest level, has the potential to truly boost the protection of Africa's coasts and seas and to create healthy and sustainable blue economies.

Tokyo MOU agreed to include the BWI Convention as a relevant instrument at its 27th PSC Committee Meeting in Australia. *Tokyo MoU* [Online]. 24 October 2016. Available from:

<http://www.tokyo-mou.org/doc/psc27-press-release.pdf> 

Becoming a party to international maritime conventions a must for maritime Philippines.

By Brenda Pimentel. *Manila Times* [Online]. 22 October 2016. Available from:

<http://www.manilatimes.net/becoming-party-international-maritime-conventions-must-maritime-philippines/292478/>

Two weeks ago I heard a lawyer friend who has built an impressive career in the maritime field asking why the Philippines needs to ratify or accede to international maritime conventions, which define standards and impose obligations on the country's shipping operations.

Ship's Owner and Operator Ordered to Pay \$1.3 Million Fine and \$200,000 Community Service Payment for Violating Pollution Laws, Falsifying Records and Scheming to Defraud the U.S. *US Department of Justice* [Online]. 21 October 2016. Available from: <https://www.justice.gov/opa/pr/ship-s-owner-and-operator-ordered-pay-13-million-fine-and-200000-community-service-payment> The companies that own and operate a Greek shipping vessel were sentenced today in U.S. District Court in Seattle, Washington, to a \$1.3 million fine for the dumping of oily waste at sea, announced U.S. Attorney Annette L. Hayes for the Western District of Washington.

EU focused on shipping climate deal by 2018. By Ed King. *Climate Home* [Online]. 24 October 2016. Available from: <http://www.climatechangenews.com/2016/10/24/eu-focused-on-shipping-climate-deal-by-2018/> The EU remains committed to a 2018 start-date for a global climate deal for shipping, the bloc's transport chief told reporters in London on Monday.

German Shipping Corporations Convicted of Environmental Crimes. *US Department of Justice* [Online]. 25 October 2016. Available from: <https://www.justice.gov/opa/pr/german-shipping-corporations-convicted-environmental-crimes> Two German shipping companies that owned and operated the Motor Vessel (M/V) *Nils B*, pleaded guilty today to an environmental crime in federal court in San Diego before the Honorable Jan M. Adler, announced Assistant Attorney General John C. Cruden and United States Attorney Laura E. Duffy.

Maritime challenge to develop clear plan. By Talebula Kate. *Fiji Times* [Online]. 27 October 2016. Available from: <http://www.fijitimes.com/story.aspx?id=376252> Despite their small size, Pacific leaders are again leading positive action on the world stage and demonstrating they can punch well above their weight.

Security, marine environment in South China Sea need tending to. By Lauren Dickey. *Straits Times* [Online]. 27 October 2016. Available from: <http://www.straitstimes.com/opinion/security-marine-environment-in-schina-sea-need-tending-to> Two great challenges loom in the disputed waters and features in the South China Sea: the need for resilient maritime security enforcement mechanisms and protection against further environmental degradation.

Indian Ocean nations set guidelines on maritime security. By Fedina S. Sundaryani. *Jakarta Post* [Online]. 27 October 2016. Available from: <http://www.thejakartapost.com/news/2016/10/27/indian-ocean-nations-set-guidelines-maritime-security.html> Twenty-one nations bordering the Indian Ocean, comprising African, Asian and Oceanic states as part of an international organization, now have guidelines for maritime safety and security and five other priorities.

Changes to our oceans pose serious concerns. *Ministry of Environment and Statistics New Zealand* [Online]. 27 October 2016. Available from: <http://www.mfe.govt.nz/sites/default/files/media/Marine%20environment%20media%20release%200.pdf>  New Zealand's oceans, coasts, and marine wildlife are under growing pressure, according to the first national report from the Ministry for the Environment and Statistics New Zealand about the marine environment. [Our Marine Environment 2016](#) 

Kalsakau Heads Maritime Boundary Delimitation Committee. By Godwin Ligo.

Vanuatu Daily Post [Online]. 27 October 2016. Available from:

http://dailypost.vu/news/kalsakau-heads-maritime-boundary-delimitation-committee/article_65ef9609-1916-516f-8c1a-4b27d52f5b80.html

The Leader of Opposition, Ishmael Kaslakau, was appointed Monday this week, by the Minister of Foreign Affairs Bruno Lenghone, to lead a National Committee on Maritime Boundary Delimitation, to continue to resolve Vanuatu borders with Fiji and France, and also seek to resolve the dispute with France, over Matthew and Hunter Islands.

Global fuel tax would reduce CO2 emissions, seminar hears. By Paul Gunton.

Tanker Shipping & Trade [Online]. 25 October 2016. Available from:

http://www.tankershipping.com/news/view/global-fuel-tax-would-reduce-co2-emissions-seminar-hears_45129.htm

A global tax on bunker fuel would encourage use of lower carbon fuels and reduce emissions, believes Henrik Madsen, former chief executive of DNV GL.

How will the IMO's 2020 Global Sulfur Cap reshape the oil industry? By Ned Molloy, Managing Editor for Fuel Oil.

S&P Global Platts [Online]. 1 November 2016. Available from:

<http://www.platts.com/videos/2016/november/snapshot-imo-shipping-emissions-110116>

On October 27 the International Maritime Organization announced a sharply lower sulfur cap on shipping fuel globally from 2020.

The IMO's 2020 Global Sulfur Cap: What a 2020 Sulfur-Constrained World Means for Shipping Lines, Refineries and Bunker Suppliers: Shipping Special Report. By Ned Molloy, Managing Editor for Fuel Oil.

S&P Global Platts [Online]. November 2016. Available from:

<http://www.platts.com/IM.Platts.Content/InsightAnalysis/IndustrySolutionPapers/SR-IMO-2020-Global-sulfur-cap-102016.pdf>

The International Maritime Organization on October 27 announced it was going ahead with a global sulfur cap of 0.5% on marine fuels starting from January 1, 2020, ending years of uncertainty.

Mistreatment of crew on sub-standard ship leads to detention.

International Transport Workers' Federation [Online]. 28 October 2016. Available from:

<http://www.itfglobal.org/en/news-events/press-releases/2016/october/mistreatment-of-crew-on-sub-standard-ship-leads-to-detention/>

A vessel which had already been detained following a Port State Control inspection by MCA (Maritime and Coastguard Agency) surveyors in Cardiff, Wales, has been issued with a further detainable deficiency notice after it was discovered the crew had not been paid for many months.

MARINE TECHNOLOGY

Valmet to supply automation and remote control technology for a new, game-changing, purely electric ferry concept, the E-ferry. Valmet

[Online]. 3 October 2016. Available from:

<http://www.goo.gl/Opnofo> E-ferry is a project that has received funding from the European Union's Horizon 2020 research and innovation program.

BWMTech North America 2016 – US type-approval process, US vs. IMO standards.

By Katie Braynard. *US Coast Guard Maritime Commons* [Online]. 4 October 2016.

Available from: <http://mariners.coastguard.dodlive.mil/2016/10/04/bwmtech-north-america-2016-us-type-approval-process-us-vs-imo-standards/>

The below provides a recap of the presentation delivered by Lt. Cmdr. Jason Kling, of the Coast Guard Marine Safety Center, describing the differences between the U.S. and IMO ballast water standards, and the process for U.S. type-approval of a BWM system.

Japan develops smart ship platform. *Marine Electronics and Communications* [Online]. 4 October 2016. Available from: http://www.marinemec.com/news/view,japan-develops-smart-ship-platform_44850.htm Ship monitoring technologies can deliver operational efficiencies, improved performance, longer equipment life, reduced maintenance costs, enhanced voyage planning and more efficient crew.

World's first test area for autonomous ships opened. *Norwegian Maritime Authority* [Online]. 3 October 2016. Available from: <https://www.sjofartsdirektoratet.no/en/news/news-from-the-nma/worlds-first-test-area-for-autonomous-ships-opened/> Norwegian Maritime Authority and the Norwegian Coastal Administration have signed an agreement which allows for testing of autonomous ships in the Trondheim fjord.

Working to ensure that ships will be fully compliant with new rules: SKF develops new concept for ballast water treatment eliminating current weaknesses.

By Nikos Roussanoglou. *Hellenic Shipping News* [Online]. 7 October 2016. Available from: <http://www.goo.gl/u4L6TA> Ship owners around the world are being faced with a flurry of new rules and standards, which they will have to comply with, in order to be able to trade their vessels.

Counting down to Gas Fuelled Ships 2016. *The Motorship* [Online]. 13 October 2016. Available from: <http://www.motorship.com/news101/lng/counting-down-to-gas-fuelled-ships-2016> After years of 'chicken and egg' discussions between stakeholders waiting for either the LNG vessels needed to justify investment in bunkering infrastructure, or the infrastructure required to make gas-powered vessels viable, over the past year there has been a sense of real progress.

Use of liquefied natural gas as an alternative to heavy fuel oil for maritime transportation: CMA CGM signs a first Memorandum of Understanding with ENGIE. *CMA CGM* [Online]. 19 October 2016. Available from: <http://www.goo.gl/1NEunZ> CMA CGM and ENGIE announce today the signing of a Memorandum of Understanding to promote LNG as the marine fuel for tomorrow's container vessels.

The Danish Maritime Authority embarks on a future with unmanned ships.

Danish Maritime Authority [Online]. 20 October 2016. Available from: <http://www.dma.dk/news/Sider/TheDanishMaritimeAuthorityembarksonafuturewithunmannedships.aspx> Masterless ships may become reality within a very short period of time. Now, the Danish Maritime Authority is launching a pre-study on autonomous ships together with the Technical University of Denmark (DTU).

LR collaborates on collision avoidance research project for autonomous vessels.

Lloyd's Register [Online]. 25 October 2016. Available from: <http://www.lr.org/en/news-and-insight/news/LR-collaborates-on-collision-avoidance-research-project-for-autonomous-vessels.aspx> The MAXCMAS (Machine executable collision regulations for Marine Autonomous systems) project will be completed next year; it brings together expertise from LR, Rolls Royce as project lead, Atlas Elektronik UK, Queen's University Belfast and Southampton Solent University's Warsash Maritime Academy.

Plymouth roboship that will revolutionise ocean transport. **By Keith Rossiter.** *The Herald (UK)* [Online]. 24 October 2016. Available from: <http://www.plymouthherald.co.uk/plymouth-roboship-that-will-revolutionise-ocean-transport/story-29835701-detail/story.html> 📰 A Plymouth project is poised to launch a maritime revolution that will see unmanned ships plying the world's sea routes.

Wärtsilä Exhaust Gas Cleaning systems the first to be flag approved in Asia.

Wärtsilä Corporation [Online]. 27 October 2016. Available from:

<http://www.wartsila.com/media/news/27-10-2016-wartsila-exhaust-gas-cleaning-systems-the-first-to-be-flag-approved-in-asia> The Singapore flag state authorities have approved Wärtsilä's exhaust gas cleaning (EGC) systems, making it the first EGC to be approved by an Asian flag authority.

MARITIME SAFETY

MAIB safety digest: volume 2, 2016. UK Marine Accident Investigation Branch (MAIB)

[Online]. 3 October 2016. Available from: <https://www.gov.uk/government/publications/maib-safety-digest-volume-2-2016> Short accounts of accidents describing what happened, and lessons to be learned

Tote ignores warnings on Hurricane Matthew, one year on from *El Faro* sinking.

By Grant Rowles. *Splash 24/7* [Online]. 4 October 2016. Available from:

<http://splash247.com/tote-ignores-warnings-hurricane-matthew-one-year-el-faro-sinking/>

Tote Maritime says they plan to continue their regular liner schedule despite Hurricane Matthew wreaking havoc in the Caribbean, reports ABC's First Coast News.

Goal Zero: An Up-close Look at Shell's Safety Culture. By Greg Trauthwein.

Maritime Logistics Professional [Online]. 3 October 2016. Available from:

<http://www.maritimeprofessional.com/news/goal-zero-upclose-look-shells-296277>

Earlier this year at the SUNY Maritime Towing Forum, we met up with Jerry Crooks, CSHM, Marine Technical Advisor, Shell Trading (U.S.) Company.

Split Hosts First European Coast Guard Exercise.

Frontex European Border and Coast Guard Agency [Online]. 11 October 2016. Available from:

<http://frontex.europa.eu/pressroom/news/split-hosts-first-european-coast-guard-exercise-HGgHua> Fabrice Leggeri, Executive Director of the European Border and Coast Guard Agency, together with the Croatian Minister of Interior Vlaho Orepic and Minister of Defence Josip Buljevic, hosted the first European Coast Guard exercise on 11 October in Split, Croatia.

Raise Asia Pacific domestic ferry safety bar, urge Interferry and IMO. By Rebecca Moore.

Passenger Ship Technology [Online]. 17 October 2016. Available from:

http://www.passengership.info/news/view/raise-asia-pacific-domestic-ferry-safety-bar-urge-interferry-and-imo_45013.htm Improving the safety of domestic ferries in the Asia Pacific is a key theme of this year's Interferry.

Web Alert: Hazards associated with the transport of lithium-ion batteries.

The Standard Club [Online]. 17 October 2016. Available from: [http://www.standard-](http://www.standard-club.com/news-and-knowledge/news/2016/10/web-alert-hazards-associated-with-the-transport-of-lithium-ion-batteries/)

[club.com/news-and-knowledge/news/2016/10/web-alert-hazards-associated-with-the-transport-of-lithium-ion-batteries/](http://www.standard-club.com/news-and-knowledge/news/2016/10/web-alert-hazards-associated-with-the-transport-of-lithium-ion-batteries/) Following recent media attention surrounding the incidents of self-ignition of lithium-ion batteries used in the Samsung Galaxy Note 7 and the product recall, the club has received a number of queries in respect of best practices concerning the safe carriage of such batteries as well as issues of club cover arising from carriage of the batteries as cargo onboard members' vessels.

Panama Canal Authority rejects ITF safety claims. By Donal Scully. *Splash 24/7* [Online].

27 October 2016. Available from: [http://splash247.com/panama-canal-authority-rejects-itf-](http://splash247.com/panama-canal-authority-rejects-itf-safety-claims/)

[safety-claims/](http://splash247.com/panama-canal-authority-rejects-itf-safety-claims/) The Panama Canal Authority (ACP) has rejected claims by the International Transport Workers' Federation (ITF) that the ACP is putting workers' health and safety at risk in the new expanded Canal.

Interferry pledges safety lead at state-of-the-industry Conference. *Interferry* [Online]. 28 October 2016. Available from: <http://www.interferry.com/interferry-pledges-safety-lead-state-industry-conference/> The pledge came at the global trade association's 41st annual conference in Manila – a venue chosen to spotlight the challenges of domestic ferry safety in developing nations.

MARITIME SECURITY

Coast Guard told: 'Increase visibility in major coastal areas'. By Ruth Abbey Gita.

Sun Star (Philippines) [Online]. 30 September 2016. Available from: <http://www.sunstar.com.ph/manila/local-news/2016/09/30/coast-guard-told-increase-visibility-major-coastal-areas-500822> President Rodrigo Duterte has issued a memorandum order tapping the Philippine Coast Guard (PCG) to help implement the guidelines of the state of national emergency he issued in early September.

Yemen rebels pose threat to shipping: Arab coalition. *Gulf Times (Qatar)* [Online].

2 October 2016. Available from: <http://www.gulf-times.com/story/515896/Yemen-rebels-pose-threat-to-shipping-Arab-coalition> The coalition said Shiite Houthi militiamen had attacked the vessel "on its usual route to and from (the southern port city of) Aden to transfer relief and medical aid and evacuate wounded civilians".

Asean, US to step up maritime security cooperation. By Charissa Yong. *Straits Times*

[Online]. 1 October 2016. Available from: <http://www.straitstimes.com/asia/se-asia/asean-us-to-step-up-maritime-security-cooperation> Defence ministers from Asean and the United States on Saturday (Oct 1) agreed to work closer together to strengthen maritime security in the region to combat terrorism, respond to natural disasters and crucially, manage tensions at sea.

Cyber risk management in the marine transportation system. By Rear Adm. Paul Thomas, assistant commandant for prevention policy. *US Coast Guard Maritime Commons* [Online].

3 October 2016. Available from: <http://mariners.coastguard.dodlive.mil/2016/10/03/cyber-risk-management-marine-transportation-system/> October is nationally recognized as Cyber Security Awareness Month, and there is no better time to discuss the importance of cybersecurity and the Coast Guard's role in cyber risk management.

'We never thought they'd target an aid vessel,' crew of UAE ship off Yemen.

By Abdulla Rasheed. *Gulf News* [Online]. 5 October 2016. Available from: <http://gulfnews.com/news/gulf/yemen/we-never-thought-they-d-target-an-aid-vessel-crew-of-uae-ship-off-yemen-1.1907405> The crew members of a UAE aid vessel attacked by Al Houthi militia in Yemen last week said they never expected that the militia would target a ship carrying humanitarian aid.

ABS Awarded Maritime Cybersecurity Research Contract. *ABS (American Bureau of Shipping)* [Online]. 7 October 2016. Available from: <http://ww2.eagle.org/en/news/press-room/2016/ABS-Awarded-Maritime-Cybersecurity-Research-Contract.html>

ABS, a leading provider of classification and technical services to the global marine and offshore industries, has been awarded a research contract by the Maritime Security Center (MSC) – a U.S. Department of Homeland Security (DHS) Center of Excellence, led by Stevens Institute of Technology – for a two-year research program focused on defining the future of cybersecurity for the maritime industry.

Merchant ships off Yemen brace for more danger after attacks on navy craft.

By Jonathan Saul. *Reuters* [Online]. 10 October 2016. Available from: <http://www.reuters.com/article/yemen-security-shipping-idUSL8N1CG31S> Oct 10 Missile attacks from Yemen on Western military craft risk spilling over into nearby busy sea lanes which could disrupt oil supplies and also other vital goods passing through the tense area, shipping and insurance sources say.

Security Advice for the Mandeb Strait. By Mike Edey, Dryad's Head of Operations.

Dryad Maritime [Online]. 11 October 2016. Available from: <http://www.dryadmaritime.com/security-advice-mandeb-strait/> During the evening of Sunday 9 October, it is alleged that two missiles, fired from Yemen, targeted US Navy destroyer *USS Mason* operating in the Bab al Mandeb.

US fire 'first shots in anger' in Yemen conflict, vow to protect commercial shipping.

Seatrade Maritime News [Online]. 13 October 2016. Available from: <http://www.seatrade-maritime.com/news/middle-east-africa/update-us-fire-first-shots-in-anger-in-yemen-conflict-vow-to-protect-commercial-shipping.html> The US Navy has destroyed three radar sites in rebel-held territory in Yemen in retaliation to a second failed missile attack on one of its warships as The Pentagon warns it will take all necessary steps to ensure the safety of commercial shipping in the Red Sea.

Amaechi to 'implement international ship facility security'. By 'Wale Williams-Smith.

Today (Nigeria) [Online]. 12 October 2016. Available from: <https://www.today.ng/news/nigeria/196024/amaechi-implement-international-ship-facility-security> The Federal Government has reiterated Nigeria's commitment to maritime security through the full implementation of the International Ship and Port Facility Security (ISPS) code.

Minister Pandjaitan opens head of Asian Coast Guard Agency meeting. Antara News (Indonesia) [Online]. 12 October 2016. Available from:

<http://www.antaranews.com/en/news/107177/minister-pandjaitan-opens-head-of-asian-coast-guard-agency-meeting> Coordinating Minister for Maritime Affairs Luhut Binsar Panjaitan has opened the 12th Head of Asian Coast Guard Agency Meeting held October 12 to 14, 2016.

IMO must deal with cyber risks in October. By Philip Roche, Stefi Papantoniou, and Peter Lamb. *Tanker Shipping & Trade* [Online]. 13 October 2016. Available from:

http://www.tankershipping.com/news/view,imo-must-deal-with-cyber-risks-in-november_44981.htm Interim guidelines for addressing cyber-related risks in the shipping industry have been approved by IMO.

The blue economy and maritime security in Africa: why now? By Essam Yassin Mohammed, Senior Researcher, IIED's Shaping Sustainable Market.

International Institute for Environment and Development (IIED) [Online]. 13 October 2016. Available from: <http://www.iied.org/blue-economy-maritime-security-africa-why-now> As a high-level conference on protecting Africa's seas and oceans gets under way, Essam Yassin Mohammed reflects on the multiple dimensions to maritime security in Africa's coastal regions.

U.S. warship targeted in apparent failed missile attack off Yemen -admiral. By Idrees Ali.

Reuters [Online]. 16 October 2016. Available from: <http://news.trust.org/item/20161016003942-kwqgm> A U.S. Navy destroyer was again targeted in the Red Sea in an apparent failed missile attack launched from the coast of Yemen, a U.S. admiral said on Saturday.

More than a Quarter-million Dollars in Narcotics Floating off the Shore of Florida.

US Customs and Border Protection [Online]. 17 October 2016. Available from:

<https://www.cbp.gov/newsroom/national-media-release/more-quarter-million-dollars-narcotics-floating-shore-florida> Persistent cross-border drug smuggling by transnational criminal networks is having an unintended consequence as illegal narcotics are washing up on shores and discovered floating off the coasts of Florida.

Dryad Release Maritime Crime Figures For Q3 2016. *Dryad Maritime* [Online].

14 October 2016. Available from: <http://www.dryadmaritime.com/maritime-crime-figures-for-q3-2016/> The Gulf of Guinea, South East Asia and The Indian Ocean High Risk Area (HRA) have all seen a significant reduction of reported maritime crime throughout July, August and September of this year according to Q3 analysis released today by Dryad Maritime.

Shipping crimes drop in Nigeria, others. By Sulaimon Salau. *Guardian (Nigeria)* [Online].

19 October 2016. Available from: <http://guardian.ng/business-services/shipping-crimes-drop-in-nigeria-others/> There is apparently a positive outlook in the fight against piracy in the Gulf of Guinea and other hot spots across the globe, as reports confirmed relative peace being enjoyed in some maritime crime prone routes including Nigeria.

Transas Calls for Satcom Cybersecurity Regulation. *Maritime Executive* [Online].

20 October 2016. Available from: <http://www.maritime-executive.com/article/transas-calls-for-satcom-cybersecurity-regulation> Frank Coles, CEO of bridge electronics and training firm Transas, issued a call this week for new security standards for digital ship-to-shore communications.

Seychelles to host new centre to respond to maritime threats in the region.

Seychelles Nation [Online]. 21 October 2016. Available from:

<http://www.nation.sc/article.html?id=251518> A Regional Maritime Centre for Operational Coordination (RMCOC) is being set up in Seychelles as a mechanism to respond to all maritime threats in the Western Indian Ocean.

U.S. Navy Operations in a Maritime Chokepoint [Interview with Captain Clint Carroll, Military Fellow, U.S. Navy]. *Council on Foreign Relations* [Online]. 20 October 2016.

Available from: <http://www.cfr.org/middle-east-and-north-africa/us-navy-operations-maritime-chokepoint/p38421> The U.S. military last week destroyed three radar sites in rebel-controlled territory in Yemen that the Pentagon believes were connected to previous missile attacks on the *USS Mason*, a warship patrolling the Bab al-Mandeb strait.

African States, the European Union and European shipowners endorse maritime security.

European Community Shipowners' Associations (ECSA) [Online]. 21 October 2016.

Available from: <http://www.ecsa.eu/9-latest-news/277-african-states-the-european-union-and-european-shipowners-endorse-maritime-security> African Heads of State and Government met in Lomé, Togo, on 15 October for a high level summit on maritime security.

RPG fired at gas ship off Yemen. By Sam Chambers. *Splash 24/7* [Online].

26 October 2016. Available from: <http://splash247.com/rpg-fired-gas-ship-off-yemen/>

A number of private security firms have confirmed to Splash that the laden Teekay LNG vessel *Galicja Spirit* was fired on by an RPG off the coast of Yemen today.

Take cyber security seriously, experts warn. By Paul Gunton.

Marine Propulsion & Auxiliary Machinery [Online]. 26 October 2016. Available from: http://www.mpropulsion.com/news/view,take-cyber-security-seriously-experts-warn_45148.htm
As ships get more sophisticated and more reliant on internet and satellite-based information exchange, "there is an increased risk [of cyber security issues] because there is a way in," said Giles Noakes, chief maritime security officer at BIMCO yesterday.

26 October, Yemen, attempted attack on LNG tanker of Yemen. North of England P&I Association [Online]. 27 October 2016. Available from: <http://www.nepia.com/maritime-alerts/>
News of the attack was first released by the UK Maritime Trade Operation (UKMTO), a Dubai-based regional reporting centre set up to provide fast communication between merchant shipping and naval forces in the event of an attack or suspicious activity.

Operation Sea Guardian. North Atlantic Treaty Organization (NATO) [Online]. 27 October 2016. Available from: http://www.nato.int/cps/en/natohq/topics_136233.htm
Maritime security is high on NATO's agenda and as part of the 2011 Alliance Maritime Strategy, NATO has created a flexible maritime operation called Sea Guardian.

MARITIME TRAINING

Training to fill gaps in seafarer competence. Marine Electronics and Communications [Online]. 30 September 2016. Available from: http://www.marinemec.com/news/view,training-to-fill-gaps-in-seafarer-competence_44816.htm
Shipowners, managers and operators can use data analytics to identify weaknesses in crew competence and arrange further training.

Videotel's Ballast Water Management Programme Updated to Help Ships Comply with Newly Ratified Global Treaty. KVH Industries [Online]. 3 October 2016. Available from: <http://www.kvh.com/Press-Room/Press-Release-Library/2016/100316-Videotels-Ballast-Water-Mgmt.aspx>
Videotel, a KVH company (Nasdaq: KVHI), has revised its ballast water management (BWM) training package to address the requirements of the International Maritime Organization's newly ratified BWM Convention, a global treaty that is designed to stop the spread of invasive species from ships' ballast water.

Sri Lankan institute and education ministry renew partnership in maritime training. Seychelles Nation [Online]. 7 October 2016. Available from: <http://www.nation.sc/article.html?id=251334>
The Colombo International Nautical and Engineering College will continue to provide leadership assistance to the Seychelles Maritime Academy over the next three years.

AMC exports maritime training expertise to the United Arab Emirates. Australian Maritime College [Online]. 11 October 2016. Available from: <http://www.amc.edu.au/about-amc/news-and-events/news-items/amc-exports-maritime-training-expertise-to-the-united-arab-emirates>
The Australian Maritime College has begun delivery of its first coastal seafaring course in the United Arab Emirates.

Skills development is essential in maritime industry. By Phumeza Msongelwa. Durban University of Technology (South Africa) [Online]. 12 October 2016. Available from: <http://www.dut.ac.za/skills-development-is-essential-in-maritime-industry/>
The Durban University of Technology's (DUT's) Faculty of Applied Sciences together with the DUT Maritime Studies Department hosted its Dean Lecture Series at Steve Biko Campus recently.

MARAD Announces Cooperative Agreement to Develop Shipboard Climate Best Practices Training Material. By Kim A. Strong. *US Maritime Administration (MARAD)* [Online]. 11 October 2016. Available from: <http://www.goo.gl/4Ux3aV> The Maritime Administration (MARAD) has signed a \$198,000 cooperative agreement with the Ship Operations Cooperative Program (SOCP) to develop interactive Computer Based Training Modules, a Best Practices Tool Kit, and other training materials concerning appropriate shipboard climate within the U.S. Merchant Marine.

State-of-the-art Clydebank underwater training base envy of the world. By Tristan Stewart-Robertson. *Clydebank Post (UK)* [Online]. 20 October 2016. Available from: http://www.clydebankpost.co.uk/news/14813752.State_of_the_art_Clydebank_underwater_training_base_envy_of_the_world/ The new £3.5 million Clyde Training Solutions (CTS) base opened to its first sessions last Tuesday and is expected to welcome 5,000 visitors each year to Clydebank for sessions lasting up to five days - a potentially big boost to the local economy.

Mersey Maritime and UK's LJMU introduce new maritime graduate programme. *Ship-Technology.Com* [Online]. 24 October 2016. Available from: <http://www.ship-technology.com/news/newsmersey-maritime-and-uks-ljmu-introduce-new-maritime-graduate-programme-5645937> Launched as part of a three-year memorandum of understanding (MoU) signed between Mersey Maritime and LJMU last year, the new programme will provide sponsorship placement opportunities to ten maritime companies operating in Merseyside, a metropolitan county in north-west England.

North P&I Club Advises Members on How to Make Chief Mates into Master. *North of England P&I Association* [Online]. 25 October 2016. Available from: <http://www.nepia.com/news/press-releases-and-media-area/press-release-north-pi-club-advises-members-on-how-to-make-chief-mates-into-master/> North P&I Club has published detailed advice for its shipowner members on how ensure a smooth and successful promotion of their chief mates to the all-important role of master.

DP World rolls out Global Education Programme to tackle recruitment. *HR Grapevine* [Online]. 25 October 2016. Available from: <http://www.hrgrapevine.com/content/article/2016-10-18-dp-world-rolls-out-global-education-programme> Volunteers from 17 of the company's locations in the UAE, India, Pakistan, Senegal, UK, Argentina and the Philippines are delivering content to engage young people in subjects relating to trade and logistics, which the company says are often overlooked.

EUCAP Nestor conducts Maritime Legislation workshop in Hargeisa. *EUCAP Nestor* [Online]. 27 October 2016. Available from: https://www.eucap-nestor.eu/en/press_office/news/1429/ Thirty-one participants – three of them women- came from the Prosecution Office, the Somaliland Coast Guard and Immigration Department.

MIGRANTS

Mediterranean Migrant Arrivals Reach 302,486; Deaths at Sea: 3,502.

International Organization for Migration (IOM) [Online]. 30 September 2016. Available from: <http://www.iom.int/news/mediterranean-migrant-arrivals-reach-302486-deaths-sea-3502>
IOM reports that 302,486 migrants and refugees entered Europe by sea in 2016 through 28 September, arriving mostly in Greece and Italy.

Major rescue sees 6,000 migrants saved in single day off Libya. *Sky News* [Online]. 4 October 2016. Available from: <http://news.sky.com/story/major-rescue-sees-6000-migrants-saved-in-single-day-off-libya-10604764> It was one of the biggest series of operations in a day and came three years after hundreds died in a mass sinking off Lampedusa.

Rich nations' self-interest means refugee crisis set to get worse, not better.

Amnesty International [Online]. 4 October 2016. Available from: <https://www.amnesty.org/en/latest/news/2016/10/refugee-crisis-set-to-get-worse/>
Wealthy countries have shown a complete absence of leadership and responsibility, leaving just 10 countries, which account for less than 2.5% of world GDP, to take in 56% of the world's refugees, said Amnesty International in a comprehensive assessment of the global refugee crisis published today.

Greek heroes honoured at 2016 UNHCR Nansen Refugee Award ceremony.

United Nations High Commissioner for Refugees (UNHCR) [Online]. 3 October 2016. Available from: <http://www.unhcr.org/uk/news/press/2016/10/57f2be864/greek-heroes-honoured-2016-unhcr-nansen-refugee-award-ceremony.html> The UN Refugee Agency, UNHCR, today honoured the heroic efforts of Greek volunteers during the 2015 refugee crisis by giving its Nansen Refugee Award to the Hellenic Rescue Team (HRT) and Efi Latsoudi of PIKPA village on the island of Lesbos..

Italian coastguard in mass migrant rescue. *BBC News* [Online]. 3 October 2016.

Available from: <http://www.bbc.co.uk/news/world-europe-37547431> The Italian coastguard has co-ordinated the rescue of more than 5,600 migrants, in one of the biggest operations in a single day.

More than 10,000 refugees rescued in two days in Mediterranean. By Stephanie Kirchgaessner. *The Guardian* [Online]. 5 October 2016. Available from:

https://www.theguardian.com/world/2016/oct/05/refugee-crisis-italy-more-than-10000-rescued-off-coast-sicily?CMP=share_btn_tw More than 10,000 refugees bound for Italy have been rescued in the Mediterranean in the last 48 hours in a series of more than 70 operations led by the Italian coastguard and navy.

Mediterranean Migrant Arrivals Reach 314,003; Deaths at Sea: 3,610.

International Organization for Migration (IOM) [Online]. 7 October 2016. Available from: <http://www.iom.int/news/mediterranean-migrant-arrivals-reach-314003-deaths-sea-3610>
IOM reports that 314,003 migrants and refugees entered Europe by sea in 2016 through 5 October, arriving mostly in Greece and Italy.

Egypt boat disaster shines light on new migration trend. By Hazel Haddon. *IRIN* [Online]. 10 October 2016. Available from: <http://www.irinnews.org/news/2016/10/10/egypt-boat-disaster-shines-light-new-migration-trend> Just before sunrise on a warm September morning, mobile phones in the village of Green Island on Egypt's Mediterranean coast began ringing urgently.

Smugglers Find New Routes to Ferry Migrants to Greece. By Philip Chrysopoulos.

Greek Reporter [Online]. 11 October 2016. Available from:

<http://greece.greekreporter.com/2016/10/11/smugglers-find-new-routes-to-ferry-migrants-to-greece/>

Traffickers have found new routes to carry migrants to Greece, as indicated by the large number of people who have entered the country from different spots, making registration procedures more difficult.

EU border guard says migrant arrivals to Italy main concern now. By Gabriela Baczynska.

Reuters [Online]. 12 October 2016. Available from:

<http://www.reuters.com/article/us-europe-migrants-eu-italy-idUSKCN12C19R>

Migrants arriving by sea to Italy are now the main problem faced by the European Union in its efforts to stem mass immigration to the bloc, the head of the EU border agency said on Wednesday.

'Fire at Sea' Strikes a Nerve on the Migrant Crisis: 'What Can I Do?'. By Rachel Donadio.

New York Times [Online]. 7 October 2016. Available from:

<http://www.nytimes.com/2016/10/08/movies/fire-at-sea-strikes-a-nerve-on-the-migrant-crisis.html>

🎬 For a film that makes use of long silences, Gianfranco Rosi's documentary "Fire at Sea," about the tiny Italian island of Lampedusa - for years the European point of arrival for boatloads of North African migrants - has made some noise.

Marked Men [The plight of slave fishermen, trafficked to sea].

International Organization for Migration (IOM) [Online]. 14 October 2016. Available from:

<http://features.iom.int/stories/marked-men/>

🎬 Less well known is what happens after their rescue; how they are helped back on their feet after their trauma.

Mediterranean Migrant Arrivals Reach 318,816; Deaths at Sea: 3,649.

International Organization for Migration (IOM) [Online]. 18 October 2016. Available from:

<http://www.iom.int/news/mediterranean-migrant-arrivals-reach-318816-deaths-sea-3649>

IOM reports that 318,816 migrants and refugees entered Europe by sea in 2016 through 16 October, arriving mostly in Greece and Italy.

Mediterranean Migrant Arrivals Reach 319,711; Deaths at Sea: 3,654.

International Organization for Migration (IOM) [Online]. 21 October 2016. Available from:

<http://www.iom.int/news/mediterranean-migrant-arrivals-reach-319711-deaths-sea-3654>

IOM reports that 319,711 migrants and refugees entered Europe by sea in 2016 through 19 October, arriving mostly in Greece and Italy.

Norwegian ship rescues 2,400 migrants amid 'chaos'. *The Local (Norway)* [Online].

24 October 2016. Available from: <https://www.thelocal.no/20161024/norwegian-ship-rescues-2400-migrants-amid-chaos>

"We were to transfer 1,000 migrants from a tanker over to *Siem Pilot* when suddenly several rubber boats appeared. It seemed completely hopeless," Teigen said.

3,300 migrants rescued by Italian coastguards in one day. By Catherine Hardy. *Euronews*

[Online]. 22 October 2016. Available from: [http://www.euronews.com/2016/10/22/3300-](http://www.euronews.com/2016/10/22/3300-migrants-rescued-by-italian-coastguards-in-one-day)

[migrants-rescued-by-italian-coastguards-in-one-day](http://www.euronews.com/2016/10/22/3300-migrants-rescued-by-italian-coastguards-in-one-day) 🎬 More than 800 of an estimated 3,300 migrants rescued by the Italian coastguard on Friday have been brought to safety.

Mediterranean death toll soars to all-time high. By William Spindler.

United Nations High Commissioner for Refugees (UNHCR) [Online]. 25 October 2016.

Available from: [http://www.unhcr.org/uk/news/briefing/2016/10/580f1d044/mediterranean-death-](http://www.unhcr.org/uk/news/briefing/2016/10/580f1d044/mediterranean-death-toll-soars-all-time-high.html)

[toll-soars-all-time-high.html](http://www.unhcr.org/uk/news/briefing/2016/10/580f1d044/mediterranean-death-toll-soars-all-time-high.html) UNHCR is alarmed at the high death toll being seen this year among refugees and migrants crossing the Mediterranean.

Reporting from on board the MOAS rescue vessel *The Responder*. By Mia Womersley. Reuters [Online]. 25 October 2016. Available from: <http://www.goo.gl/o1W7mt> 

NAVIGATION AND COMMUNICATIONS

Sky-high ambitions for China's Beidou navigation network. *China Daily.Com* [Online]. 14 October 2016. Available from: http://europe.chinadaily.com.cn/epaper/2016-10/14/content_27057520.htm The country plans to launch about 30 satellites by the end of 2020 to give Beidou global coverage, according to the China Satellite Navigation Office.

Inmarsat's LISW17 events set stage for the digital future of maritime. *Inmarsat* [Online]. 20 October 2016. Available from: <http://www.inmarsat.com/news/inmarsats-lisw17-events-set-stage-digital-future-maritime/> Inmarsat has announced plans in support of its diamond sponsor commitment for London International Shipping Week, 11-15 September 2017 (LISW17), by staging three key events focusing on the maritime industry's digital future.

Beta release of safe and efficient data exchange at sea. *Danish Maritime Authority* [Online]. 20 October 2016. Available from: <http://www.dma.dk/news/Sider/Betareleaseofsafeandefficientdataexchangeatsea.aspx> The EfficienSea2 project, which is led by the Danish Maritime Authority, is now ready to demonstrate its first results.

PIRACY

OBP Working Group Meeting Summary. *Oceans Beyond Piracy / One Earth Future Foundation* [Online]. September 2016. Available from: <http://oceansbeyondpiracy.org/sites/default/files/attachments/OBP%20Working%20Group%20Public%20Release%20Sep%202016%20FINAL.pdf>  In the run-up to the upcoming African Union Maritime Summit in Lomé, Togo, the Oceans Beyond Piracy project convened a meeting of 35 maritime experts to discuss the current state of maritime piracy off the east and west coasts of Africa.

Robbers Fire Upon Crew aboard Anchored Boxship. *World Maritime News* [Online]. 30 September 2016. Available from: <http://worldmaritimeneeds.com/archives/202986/robbers-fire-upon-crew-aboard-anchored-boxship/> Six robbers armed with guns boarded and fired upon the duty crew onboard an anchored containership while the vessel was at the Conakry Anchorage in Guinea, according to the International Maritime Bureau's (IMB) piracy reporting center.

Piracy on the decrease but threat still there – report. *Hellenic Shipping News* [Online]. 5 October 2016. Available from: <http://www.hellenicshippingnews.com/piracy-on-the-decrease-but-threat-still-there-report/> Incidences of Piracy in the Gulf of Guinea and Horn of Africa have been decreasing but waters off West Africa remain dangerous and criminal gangs in East Africa are still a lingering threat, according to a new report.

Africa unites to battle pirates, illegal fishing. *South Africa News* [Online]. 11 October 2016. Available from: <http://www.southafricanews.net/index.php/sid/248417049> The continent urgently needs to fight "extremely high stakes" piracy and illegal fishing in its waters by joining forces over policy and working to raise necessary funds, Togo's Foreign Minister Robert Dussey told AFP ahead of the meeting.

Namibia faces piracy threats at sea, official. By Magreth Nunuhe. *Southern Times (Namibia)* [Online]. 7 October 2016. Available from:

<http://southernafrican.news/2016/10/07/namibia-faces-piracy-threats-at-sea-official/>

Namibia holds the distinction as a country with no reported incident of piracy in its territorial waters since independence, but locally owned fishing vessels could come under pirate attack the country is not prepared for the worst case scenario possible, an official in the Office of Prime Minister has warned.

West Africa's tough battle with piracy. By Leonore Kratz and Kossivi Tiassou.

Deutsche Welle (DW) (Germany) [Online]. 12 October 2016. Available from:

<http://www.dw.com/en/west-africas-tough-battle-with-piracy/a-36018239> At night or in the early hours of the morning, a flotilla of pirate dinghies or speed boats fans out across the water heading off in the direction of their prey - an oil tanker or cargo vessel - which they then attack and board.

The International Maritime Organization remains concerned about piracy offshore

Somalia. *Government of Ethiopia* [Online]. 13 October 2016. Available from: <http://mfa.gov.et/-/the-international-maritime-organization-remains-concerned-about-piracy-offshore-somalia>

IMO Secretary-General, Kitack Lim, called on merchant shipping stakeholders to remain vigilant and continue protective measures against possible attacks in the Gulf of Aden and the western Indian Ocean area.

Iran Navy foils pirate attacks on vessels in Gulf of Aden. *Press TV (Iran)* [Online].

17 October 2016. Available from: <http://www.presstv.ir/Detail/2016/10/17/489482/Iran-Navy-Gulf-of-Aden-Alvand-Bushehr-pirates> The 44th flotilla of the Iranian Navy, consisting of Alvand destroyer and the Bushehr logistic vessel, saved two Iranian ships from three pirate attacks on Monday morning.

Korean abducted in first Philippines cargo ship raid. *Channel News Asia* [Online].

21 October 2016. Available from: <http://www.channelnewsasia.com/news/asiapacific/korean-abducted-in-first-philippines-cargo-ship-raid/3225292.html> Suspected Islamist militants kidnapped the captain of a South Korean cargo ship in the southern Philippines, the first such attack on a large merchant vessel, authorities said Friday (Oct 21).

Duterte plans to discuss sea piracy with Najib, Jokowi. *Straits Times* [Online].

30 October 2016. Available from: <http://www.straitstimes.com/asia/se-asia/duterte-plans-to-discuss-sea-piracy-with-najib-jokowi> After trips in rapid succession to China, Brunei and Japan, Philippine President Rodrigo Duterte is now preparing for a state visit to Malaysia to talk about ways to end piracy in the Strait of Malacca.

PORT STATE CONTROL

Foreign flagged ships under detention in the UK during September 2016.

UK Maritime & Coastguard Agency [Online]. 11 October 2016. Available from:

<https://www.gov.uk/government/news/foreign-flagged-ships-under-detention-in-the-uk-during-september-2016>

The Maritime and Coastguard Agency (MCA) announced today that seven foreign flagged ships were under detention in UK ports during September 2016 after failing Port State Control (PSC) inspection.

PORTS AND HARBOURS

New container ship rules to have minimal impact on throughput at Singapore port.

By Sameer Mohindru and Surabhi Sahu. *Bunkerworld* [Online]. 29 September 2016.

Available from: <http://www.bunkerworld.com/news/New-container-ship-rules-to-have-minimal-impact-on-throughput-at-Singapore-port-143103> The International Maritime Organization's new Verified Gross Margin requirement, which was introduced on July 1 and becomes mandatory from October 1, will have limited impact on container operations and throughput volumes at Singapore port, Assistant Vice President Group Operations Director PSA, Melvin Chia, said earlier this week.

AUSMEPA selected as Google Impact Challenge finalist for port emissions portal.

Australian Marine Environment Protection Association (AUSMEPA) [Online]. 4 October 2016.

Available from: <http://www.ausmepa.org.au/news/AUSMEPA-selected-as-Google-Impact-Challenge-finalist-for-port-emissions-portal-643.htm> Google.org today announced that AUSMEPA's Port Emissions Portal has been selected as one of ten finalists in the 2016 Google Impact Challenge in Australia, which awards funding to Australian non-profit innovators with big ideas for a better world.

Port of Antwerp sees great potential in African continent. *Port of Antwerp* [Online].

3 October 2016. Available from: <http://www.portofantwerp.com/en/news/port-antwerp-sees-great-potential-african-continent> Africa is an important trading partner for the port of Antwerp, with 19 million tonnes of freight being carried between the two last year.

Maqta Gateway launches digital vessel operations in the ports of Abu Dhabi.

Abu Dhabi Ports [Online]. 4 October 2016. Available from:

<http://www.adports.ae/en/news/media-centre/press-releases/news-220.html> Abu Dhabi Ports announced today the launch of its digital Vessel Management System which offers customers and stakeholders complete automation of all vessel management processes and services through its Port Community System, Maqta Gateway.

Typhoon Chaba Batters Korean Ports and Shipyards. *Maritime Executive* [Online].

5 October 2016. Available from: <http://www.maritime-executive.com/article/typhoon-chaba-batters-korean-ports-and-shipyards> 🌪️ Typhoon Chaba battered southern parts of South Korea with violent wind and heavy rain on Wednesday, killing at least three people and flooding the country's main port and industrial sites and disrupting production at some factories.

Gard Alert: Libya – port situation update. *Gard* [Online]. 4 October 2016. Available from:

<http://www.gard.no/web/updates/content/21975458/gard-alert-libya-port-situation-update> Force majeure has been lifted and exports are being resumed from Libya's eastern ports Ras Lanuf, Es Sider and Zueitina.

Associated British Ports make commitment to make city more environmentally friendly.

By Sian Davies. *Southern Daily Echo (UK)* [Online]. 8 October 2016. Available from: http://www.dailyecho.co.uk/news/14789274.Southampton_port_owners_make_commitment_to_make_city_more_environmentally_friendly/ Associated British Ports say they are continually looking to greener and more sustainable solutions to reducing their impact on the environment as Southampton battles to improve air quality in the city.

'Port of Rotterdam most dynamic European logistics hub'. *Port of Rotterdam* [Online].

7 October 2016. Available from: <https://www.portofrotterdam.com/en/news-and-press-releases/port-of-rotterdam-most-dynamic-european-logistics-hub> In the periodical SCI/Logistics Barometer by the Cologne-based consultancy SCI Verkehr, the Port of Rotterdam takes first place.

Network of Ports and Maritime Administrations Formed to Develop World's First Harmonised LNG Bunkering Standards. *Port of Antwerp* [Online]. 6 October 2016.

Available from: <http://www.portofantwerp.com/en/news/network-ports-and-maritime-administrations-formed-develop-world%E2%80%99s-first-harmonised-lng> To develop the world's first set of harmonised LNG bunkering standards, a network comprising Antwerp, Rotterdam, Singapore and Zeebrugge, subsequently expanded to include Jacksonville and Norway, was formed.

GreenPort Cruise: Spearheading green initiatives. *Green Port* [Online]. 11 October 2016.

Available from: <http://www.greenport.com/news101/cruise/greenport-cruise-spearheading-green-initiatives> The host of this year's GreenPort Cruise conference, the Venice Port Authority, is no stranger to environmental issues and Venice Passenger terminal is in many ways spearheading green initiatives for the whole industry.

Port of Oakland has Hanjin shipping containers stacked five high. **By Riley McDermid.**

San Francisco Business Times [Online]. 10 October 2016. Available from: <http://www.bizjournals.com/sanfrancisco/news/2016/10/10/port-of-oakland-has-hanjin-shipping-containers.html> The Port of Oakland has a major backlog of empty shipping containers from now-bankrupt South Korean shipping company Hanjin, which is preventing the port from freeing up those chassis bases for other shipments.

European Ports Are Thinking Climate. **By Isabelle Ryckbost.** *European Energy Innovation*

[Online]. 2016. Available from: <http://europeanenergyinnovation.eu/Articles/Autumn-2016/European-ports-are-thinking-climate> The COP21 UN climate talks in Paris in December failed in achieving an agreement on an emission reduction target for international shipping.

GreenPort Congress: The gap between policy and practice. *Green Port* [Online].

14 October 2016. Available from: <http://www.greenport.com/news101/europe/greenport-congress-the-gap-between-policy-and-practice> The second day of the GreenPort Congress served to highlight that there is still a major gap between green policy and practice which needs to be addressed.

Bolloré starts expansion of its Freetown terminal. *Container Management Magazine*

[Online]. 18 October 2016. Available from: <http://container-mag.com/2016/10/18/bollore-starts-expansion-freetown-terminal/> French port operator Bolloré Ports has officially started construction works to extend its container terminal at the Port of Freetown, Sierra Leone.

Oman's 5 Million TEU Mega-Terminal. *Port Technology International* [Online].

18 October 2016. Available from:

https://www.porttechnology.org/news/Omans_5_Million_TEU_Mega-Terminal The government of Oman has announced plans to build an automated container terminal at Sohar Port, capable of handling five million TEUs per year, reported the Times of Oman.

Ports support designation North Sea and Baltic Sea as Nitrogen Emission Control Areas.

Port of Rotterdam [Online]. 21 October 2016. Available from:

<https://www.portofrotterdam.com/en/news-and-press-releases/ports-support-designation-north-sea-and-baltic-sea-as-nitrogen-emission> The port(authorities) of Antwerp, Hamburg, Rotterdam, Le Havre and Bremen/Bremerhaven strongly support the submissions of the North sea and the Baltic countries to designate the North Sea and the Baltic Sea as Nitrogen Emission Control Areas (NECA) by 2021.

NWSA to launch mobile apps to speed up cargo flow, reduce idling-related air emissions and save fuel. *Northwest Seaport Alliance (NWSA)* [Online]. 24 October 2016. Available from:

<https://www.nwseaportalliance.com/news/10242016/nwsa-launch-mobile-apps-speed-cargo-flow-reduce-idling-related-air-emissions-and-save> The Northwest Seaport Alliance will launch two new mobile applications early November to help speed the flow of containers through port facilities and along local freight corridors, reduce idling-related air emissions and save fuel.

Ports support designation North Sea and Baltic countries as Nitrogen Emission Control Areas. *Port of Antwerp* [Online]. 26 October 2016. Available from:

<http://www.portofantwerp.com/en/news/ports-support-designation-north-sea-and-baltic-countries-nitrogen-emission-control-areas> The port authorities of Antwerp, Hamburg, Rotterdam, Le Havre and Bremen/Bremerhaven strongly support the submissions of the North Sea and the Baltic countries to designate the North Sea and the Baltic Sea as Nitrogen Emission Control Areas (NECA) by 2021.

U.S. Coast Guard, Papua New Guinea partner to improve port security.

US Coast Guard Newsroom [Online]. 28 October 2016. Available from:

<http://www.uscgnews.com/go/doc/4007/2896474/> This engagement involved sharing best practices and visiting with the Papua New Guinea Department of Transportation to observe the implementation of the International Ship and Port Facility Security Code at two port facilities located in Kavieng and Port Moresby.

RECYCLING OF SHIPS

The new lobbyist of beaching, Maersk, ignores concerns of environmental and human rights experts. *NGO Shipbreaking Platform* [Online]. 6 October 2016. Available from:

<http://www.shipbreakingplatform.org/platform-news-the-new-lobbyist-of-beaching-maersk-ignores-concerns-of-environmental-and-human-rights-experts/> When Maersk decided earlier this year to sell two end-of-life ships to beaching yards in Alang, India, a broad coalition of European environmental and human rights NGOs denounced the move.

NGO Shipbreaking Platform demands European ship recycling licence.

NGO Shipbreaking Platform [Online]. 5 October 2016. Available from:

<http://www.shipbreakingplatform.org/platform-news-ngo-shipbreaking-platform-demands-european-ship-recycling-licence/> In a position paper published today, the NGO Shipbreaking Platform calls on the European Commission, the European Parliament and Member States to support the introduction of a financial mechanism that will enhance safe and environmentally sound ship recycling in line with the standard set by the European Ship Recycling Regulation. [Position Paper](#) 

Up for a scrap: shipbreaking enters hits record level. *Hellenic Shipping News* [Online]. 10 October 2016. Available from: <http://www.hellenicshippingnews.com/up-for-a-scrap-shipbreaking-enters-hits-record-level/> A record number of container ships have been scrapped this year as owners battle a perfect storm of vast overcapacity and rock-bottom freight rates.

Maersk accused of duplicity in terms of shipbreaking. *ShippingWatch* [Online]. 17 October 2016. Available from: <http://shippingwatch.com/secure/carriers/article9082424.ece> Maersk was playing both sides in terms of its stance on responsible shipbreaking in 2013 and 2014.

J. Lauritzen supports Maersk in Alang controversy. By Tomas Kristiansen and Niklas Krigslund. *ShippingWatch* [Online]. 14 October 2016. Available from: <http://shippingwatch.com/secure/carriers/article9077324.ece> J. Lauritzen supports Maersk's decision to recycle vessels in Alang even though problems still exist with regard to pollution and labor conditions.

Maersk defends sending ships to Indian shipbreaking yard. By Nikolaj Skydsgaard. *Reuters* [Online]. 17 October 2016. Available from: <http://in.reuters.com/article/maersk-india-shipbreaking-idINKBN12H1M2> Shipping conglomerate A.P. Moller-Maersk said on Monday it was striving to improve workers' rights at shipbreaking yards it uses in India after criticisms of hazardous conditions.

We will not stand by and wait for global regulation. By Annette Stube, Head, Maersk Group Sustainability. *Maersk* [Online]. 17 October 2016. Available from: <http://www.maersk.com/en/the-maersk-group/sustainability/we-will-not-stand-by-and-wait-for-global-regulation> Shipbreaking has become commercial due to the recycling of steel becoming a global commodity in demand.

Hulk of colossal North Sea ship rusting on Bangladesh beach. By Chris Foote. *STV News (Scotland)* [Online]. 20 October 2016. Available from: <http://stv.tv/news/north/1370510-hulk-of-colossal-north-sea-ship-rusting-on-bangladesh-beach/> A union said its fate 'highlights everything wrong with the UK's approach to decommissioning'.

The EESC calls for a financial instrument to end "beaching". *European Economic and Social Committee (EESC)* [Online]. 25 October 2016. Available from: <http://www.eesc.europa.eu/?i=portal.en.news.40705> Unskilled workers – many of them under 18 - cut up these coffin-like vessels apart for an estimated 3 euros for a 12 to 16 hour working day.

REGULATIONS

Pragmatic forwarders make container weighing work. *British International Freight Association (BIFA)* [Online]. 3 October 2016. Available from: <http://www.bifa.org/news/articles/2016/oct/pragmatic-forwarders-make-container-weighing-work> It marks the end of the three-month settling-in period suggested by the IMO to its Member States in which competent authorities were urged to adopt a 'practical and pragmatic' approach to the enforcement of the SOLAS revision stipulating all packed containers have a verified gross mass (VGM) before being loaded aboard a ship.

IMCA Launches New Series of Regulatory Update Bulletins. *International Marine Contractors Association (IMCA)* [Online]. 3 October 2016. Available from: <http://www.imca-int.com/news/2016/10/3/imca-launches-new-series-of-regulatory-update-bulletins.aspx> Today's regulatory agenda is being increasingly driven by environmental issues.

Shell incident puts Nova Scotia's offshore regulator in the spotlight. By Brett Ruskin.

Canadian Broadcasting Corporation (CBC) [Online]. 4 October 2016. Available from:

<http://www.cbc.ca/news/canada/nova-scotia/shell-offshore-nova-scotia-1.3785345>

Offshore petroleum regulators from around the world have contacted Nova Scotia's regulatory board, seeking its input and insights following a rare incident earlier this year.

Shippers brace for new rules to cut deadly sulfur emissions. By Roslan Khasawneh and Keith Wallis. *Reuters* [Online]. 5 October 2016. Available from:

<http://uk.reuters.com/article/us-shipping-regulation-imo-idUKKCN1240KF> The global shipping industry is bracing for a key regulatory decision that could mark a milestone in reducing maritime pollution, but which could nearly double fuel costs in a sector already reeling from its worst downturn in decades.

International convention will make fishing safer and increase recognition for Kiwis.

Maritime New Zealand [Online]. 10 October 2016. Available from:

<http://www.maritimenz.govt.nz/public/news/media-releases-2016/20161010a.asp>

Following public consultation in April 2015, the Government decided to accede to the International Maritime Organization's International Convention on Standards of Training, Certification and Watchkeeping for Fishing Vessel Personnel, 1995 (known as STCW-F).

Verified Gross Mass of containers. *UK Government* [Online]. 7 October 2016. Available from:

<https://www.gov.uk/government/publications/verified-gross-mass-of-containers> Until recently it has not been a legal requirement for containers to have their weight verified before being loaded onto cargo ships. [Technical Briefing Note](#) 

It's Time for a Lower Global SOx Cap. By Thomas Koniordos, Head of Business Line Environmental Solutions, Yara International. *Maritime Executive* [Online]. 7 October 2016.

Available from: <http://maritime-executive.com/editorials/its-time-for-a-lower-global-sox-cap>

Seven years ago, the United Nations' agency tasked with preventing pollution caused by the shipping industry declared its intention to put a global cap on poisonous emissions by limiting the amount of sulfur to be allowed in marine fuels.

How do you regulate the use of USVs in shipping? By Gary Peters. *Ship-Technology.Com* [Online]. 17 October 2016. Available from: [http://www.ship-](http://www.ship-technology.com/features/featurehow-do-you-regulate-the-use-of-usvs-in-shipping-5029411/)

[technology.com/features/featurehow-do-you-regulate-the-use-of-usvs-in-shipping-5029411/](http://www.ship-technology.com/features/featurehow-do-you-regulate-the-use-of-usvs-in-shipping-5029411/)

In aviation, unmanned aerial vehicles (UAVs) – or drones, as they are commonly known – have become enormously popular, whether for recreational use, military operations, or parcel deliveries.

Ballast water's date with destiny. *Marine Propulsion & Auxiliary Machinery* [Online].

19 October 2016. Available from: <http://www.mpropulsion.com/news/view,ballast-waters-date-with-destiny-45061.htm> With 8 September 2017 confirmed for the BWMC's entry into force and USCG type-approval applications being made, Paul Gunton considers the priorities for legislators and industry.

Arms race: The ballast water winning ticket. By Craig Eason. *Lloyd's List* [Online].

20 October 2016. Available from: [https://www.lloydslist.com/ll/sector/ship-](https://www.lloydslist.com/ll/sector/ship-operations/article540137.ece)

[operations/article540137.ece](https://www.lloydslist.com/ll/sector/ship-operations/article540137.ece) System makers are seeking US type approval of their ballast water systems, knowing that it comes at an opportune time.

Implementation of Directive 2015/2087 by means of the Merchant Shipping and Fishing Vessels (Port Waste Reception Facilities) (Amendment) Regulations 2016.

UK Maritime & Coastguard Agency [Online]. 9 October 2016. Available from:

<http://www.goo.gl/tNl5qh>

Liberian Maritime Administration to Propose Date Extension on BWM Regs. *Ship & Bunker* [Online]. 24 October 2016. Available from: <http://shipandbunker.com/news/world/168480-liberian-maritime-administration-to-propose-date-extension-on-bwm-regs> The Liberian Maritime Administration (LISCR) says it will submit a proposal to the 70th session of the Marine Environmental Protection Committee (MEPC 70) to enable certain ships an extended deadline beyond 2020 for the installation of adequate ballast water management (BWM) systems.

RMI calls for a BWMC five year cooling off period. *Tanker Operator* [Online]. 21 October 2016. Available from: <http://www.tankeroperator.com/news/rmi-calls-for-a-bwmc-five-year-cooling-off-period/8064.aspx> At a meeting in Athens this week, the Marshall Islands (RMI) Registry said that it foresaw difficulties and possible complications caused by the introduction of the Ballast Water Management Convention (BWMC), both in the implementation process as well as commercially, despite having ratified it.

More indecision on BWMS installation timeframe. *The Motorship* [Online]. 31 October 2016. Available from: <http://www.motorship.com/news101/regulation-and-classification/more-indecision-on-bwms-installation-timeframe> At MEPC 69 earlier this year, the committee agreed to a draft resolution stating that most ships should install systems from the date of the first renewal survey for their International Oil Pollution Prevention (IOPP) certificate after the convention's entry into force, on 8 September 2017.

SAFETY

How to ensure enhanced safety in future ship inspections. *Danish Maritime Authority* [Online]. 17 October 2016. Available from: <http://www.dma.dk/news/Sider/Howtoensureenhancedsafetyinfutureshipinspections.aspx> In recent five years, the Danish Maritime Authority's inspections of passenger ships and fishing vessels have undergone major developments.

Norsafe concerned at spate of LSA drill accidents. *Norsafe* [Online]. 20 October 2016. Available from: <http://norsafe.com/News1/Norsafe-concerned-at-spate-of-LSA-drill-accidents/> Norsafe, global leader in lifeboat design, manufacture, and training, is concerned about the recent spate of lifeboat drill accidents which have seriously injured or even led to fatalities among crew.

SEAFARERS

El Faro victims' families gather to remember crew. By Chris Dupin. *American Shipper* [Online]. 3 October 2016. Available from: <http://www.americanshipper.com/main/news/el-faro-victims-families-gather-to-remember-crew-65565.aspx> A memorial was dedicated at the Port of Jacksonville on Saturday to remember the 33 crew members who died when the TOTE Maritime cargo ship *El Faro* sank during Hurricane Joaquin Oct. 1, 2015.

Calculating the Human Cost of Hanjin's Collapse. By Joseph Keefe. *Maritime Logistics Professional* [Online]. 3 October 2016. Available from: <http://www.maritimeprofessional.com/blogs/post/calculating-the-human-cost-of-hanjins-collapse-15163> The policy of U.S. immigration officials, who have barred Hanjin sailors from coming ashore, is merely the most overt part of the pain being experienced by these mariners –and others, all over the globe.

Job crisis of Bangladeshi seafarers. By Mohammed Osman Gani. *Daily Sun (Bangladesh)* [Online]. 4 October 2016. Available from: <http://www.daily-sun.com/printversion/details/172340> Bangladesh has glorious history in maritime operation all over the world.

Broken at sea: Many work in dangerous conditions with little recourse. By Karen Foshay. *KCRW (US)* [Online]. 3 October 2016. Available from: <http://www.goo.gl/213yJj> The perils of being a seafarer are nothing new. [A private justice system leads to secrecy and mistreatment on the high seas](#)  [By the numbers: Facts from the high seas](#) [Thousands look for work in the streets of Manila](#) 

Mariners' paper upgrade. By Shalveen Chand. *Fiji Times* [Online]. 5 October 2016. Available from: <http://www.fijitimes.com/story.aspx?id=373423> The Fiji Maritime Academy hopes seafarers on local and foreign vessels enrol in numbers so the Certificate of Completion can be finished by the end of the year.

Upgrading Course For Fijian Seafarers Starts. By Lusiana Tuimaisala. *Fiji Sun Online* [Online]. 12 October 2016. Available from: <http://fijisun.com.fj/2016/10/12/upgrading-course-for-fijian-seafarers-starts/> The Fiji Maritime Academy (FMA) at Laucala, Suva has started the upgrading course for all Fijian seafarers here and abroad.

Less authority but more responsibility: A growing problem for Ship Masters? *Ship Management International* [Online]. 12 October 2016. Available from: <http://shipmanagementinternational.com/less-authority-but-more-responsibility-a-growing-problem-for-ship-masters/> The position of the Ship Master, apparently enshrined in centuries of law, custom and practice, is showing evidence of strain in the light of 21st century ship operation and management.

Crew distressed after fatality. Apostleship of the Sea (AoS) [Online]. 13 October 2016. Available from: <http://www.apostleshipofthesea.org.uk/crew-distressed-after-fatality> Catholic charity Apostleship of the Sea (AoS) has supported the crew of the Sunmi who were distressed after a fatal accident in Gravesend, Kent on 5th October.

Scam Warning for Unemployed Seafarers. By Erik Kravets. *Maritime Executive* [Online]. 16 October 2016. Available from: <http://maritime-executive.com/blog/scam-warning-for-unemployed-seafarers> Recently, one of my former students almost became a victim of a scam targeting seafarers with offers of employment at ridiculously high wages and with generous benefits.

ITF applauds granting of shore leave to Hanjin crews. *International Transport Workers' Federation* [Online]. 18 October 2016. Available from: <http://www.itfglobal.org/en/news-events/press-releases/2016/october/itf-applauds-granting-of-shore-leave-to-hanjin-crews/> The ITF (International Transport Workers' Federation) today applauded the granting of shore leave to the crew of the *Hanjin Seattle* on its arrival at the port of Seattle, USA.

Somali pirates' hostages 'ate rats' to survive. *BBC News* [Online]. 24 October 2016. Available from: <http://www.bbc.co.uk/news/world-asia-37748237>  A group of sailors who were held hostage by Somali pirates for nearly five years survived in part by eating rats, one survivor has told the BBC.

CGPCS [Contract Group on Piracy of the Coast of Somalia] Chair Welcomes Release of Crew of FV Naham 3 Released by Somali Pirates After Over 4 1/2 Years in Captivity.

Oceanus Live [Online]. 24 October 2016. Available from:

<http://www.oceanuslive.org/Main/ViewNews.aspx?uid=00001183> Today as the 26 remaining hostages of the Omani flagged vessel are going through the process to be reunited with their families, we are reminded and pay tribute to the three crew members who are not going home and who have since passed.

Somali Pirates Release the Crew of the FV Naham 3. *Oceans Beyond Piracy /*

One Earth Future Foundation [Online]. 22 October 2016. Available from:

<http://oceansbeyondpiracy.org/somali-pirates-release-crew-fv-naham-3> The Omani flagged fishing vessel was hijacked on 26 March 2012 roughly 65 nautical miles south of the Seychelles.

Owners face backlash as crew abandonment cases soar. *By Jason Jiang. Splash 24/7*

[Online]. 20 October 2016. Available from: <http://splash247.com/crew-abandonment-cases-soar-vexing-industry/> As the economic downturn's impact on global shipping becomes increasingly severe, more shipping companies are getting into financial difficulties and more vessels and crews are being abandoned deliberately by owners.

Vallianz crew abandonment cases spiral. *By Grant Rowles. Splash 24/7* [Online].

25 October 2016. Available from: <http://splash247.com/vallianz-crew-abandonment-cases-spiral/> The crews on three OSVs managed by Singapore-listed Vallianz Holdings have been abandoned, Splash has learnt.

Vallianz responds to Splash reports, promises to pay crew. *By Grant Rowles. Splash 24/7*

[Online]. 26 October 2016. Available from: <http://splash247.com/vallianz-responds-to-splash-reports-promises-to-pay-crew/> Singapore's Vallianz Holdings has responded to reports from Splash this week detailing the plight of 39 crew onboard three vessels managed by Vallianz who haven't been paid since July.

Ghost ship crew supported. *Apostleship of the Sea (AoS)* [Online]. 25 October 2016.

Available from: <http://apostleshipofthesea.org.uk/ghost-ship-crew-supported> Apostleship of the Sea (AoS) has provided moral and practical support to a group of Ukrainian crew following their colleague's death.

Crew on ship anchored off Dallas Road treated well, agency says. *By Carla Wilson.*

Times Colonist (US) [Online]. 23 October 2016. Available from:

<http://www.timescolonist.com/news/local/crew-on-ship-anchored-off-dallas-road-treated-well-agency-says-1.2371709> Local residents concerned about the welfare of crew members on the container ship Hanjin Vienna reached for their telephones when they learned the vessel was stuck in limbo in waters off Victoria.

SEARCH AND RESCUE

Greek fisherman nominated for Nobel Prize. *Deutsche Welle (DW) (Germany)* [Online].

6 October 2016. Available from: <http://www.dw.com/en/greek-fisherman-nominated-for-nobel-prize/av-35972935> 🗞️ When boats brimming with refugees teetered across the Mediterranean,

Stratis Valiamos and his fellow fishermen came to the rescue.

IMRF Reveals Long List of H.E.R.O. Award Entries from Maritime Search and Rescue Teams Worldwide. *International Maritime Rescue Federation* [Online].

10 October 2016. Available from: <http://international-maritime-rescue.org/10-news/2225-imrf-reveals-long-list-of-h-e-r-o-award-entries-from-maritime-search-and-rescue-teams-worldwide>

The 30 finalists range from companies, maritime search and rescue organisations and individuals involved in technological developments to those involved with design and innovation, services and training, as well as those actively engaged in saving lives in the world's waters.

Unifying the World's Maritime Rescue Effort: The HRAS Interview: Bruce Reid, CEO of the International Maritime Rescue Federation. *Human Rights at Sea (HRAS)* [Online].

15 October 2016. Available from: <http://www.qoo.gl/QfUB0P> Nearly 400,000 people drown every year, and we all need to be doing more, says Bruce Reid.

African and North Atlantic Experts Meet at IMRF SAR Summit.

International Maritime Rescue Federation [Online]. 17 October 2016. Available from:

<http://international-maritime-rescue.org/10-news/2227-african-and-north-atlantic-experts-meet-at-imrf-sar-summit> Representatives from the African SAR (search and rescue) Group were able to pick up ideas on how to create a model based on the Maritime Rescue Coordination Centres (RCC) of the North Atlantic Group when the two parties met.

Specially classed rescue ship looks to aid refugees. *Marine Log* [Online]. 25 October 2016.

Available from:

http://www.marinelog.com/index.php?option=com_k2&view=item&id=23590:specially-classed-rescue-ship-looks-to-aid-refugees As a result of the ongoing refugee crisis, more than 3,000 people have drowned this year in the Mediterranean trying to escape from North Africa.

Control of Search and Rescue Operations. *Hellenic Shipping News* [Online].

26 October 2016. Available from: <http://www.hellenicshippingnews.com/control-of-search-and-rescue-operations/> A recent Search and Rescue ("SAR") mission involving a North-entered ship has highlighted the role of the Coastal State in such operations.

Mediterranean: 29 people found dead by MSF search and rescue ship *Bourbon Argos*.

Médecins Sans Frontières (MSF) [Online]. 26 October 2016. Available from:

<http://www.msf.org/en/article/mediterranean-29-people-found-dead-msf-search-and-rescue-ship-bourbon-argos> 🗞️ Late yesterday, 29 men and women died in the Central Mediterranean and

were found by the Médecins Sans Frontières' (MSF) search and rescue ship *Bourbon Argos*, in an overcrowded rubber boat some 26 nautical miles from the Libyan coastline.

Night rescue: Saving lives in the Mediterranean. By Tom Westcott. *Middle East Eye*

[Online]. 31 October 2016. Available from: <http://www.middleeasteye.net/news/night-rescue-saving-migrant-lives-mediterranean-2077138408> A thin beam of light from the spotlight on board the Search and Rescue (SAR) ship *MV Aquarius* pierced the darkness, scanning the choppy black waves until it caught the fluorescent glare of a row of orange lifejackets crowded tightly into a 15-metre inflatable dinghy.

SHIPBUILDING AND SHIPREPAIR

The world's first LNG-powered icebreaker *Polaris* delivered. *Arctech Helsinki Shipyard* [Online]. 28 September 2016. Available from: <http://arctech.fi/the-worlds-first-lng-powered-icebreaker-polaris-delivered/> Arctech Helsinki Shipyard delivered the most powerful newcomer in the Finnish Icebreaker fleet, icebreaker *Polaris*, to the Finnish Transport Agency on September 28th, 2016. The Finnish Transport Agency handed the vessel over to Arctia Icebreaking Oy.

Carnival Corporation Signs Agreement with Shell to Fuel World's First LNG-Powered Cruise Ships. *Carnival Corporation & Plc* [Online]. 3 October 2016. Available from: <http://phx.corporate-ir.net/phoenix.zhtml?c=200767&p=irol-newsArticle&ID=2208314> The world's largest leisure travel company, today signed a framework agreement with Shell Western LNG B.V. (Shell) to be its supplier of marine liquefied natural gas (LNG) to power the world's first fully LNG-powered cruise ships.

Shipyards not finding enough clients as owners shy away from new orders. **By Nikos Roussanoglou.** *Hellenic Shipping News* [Online]. 5 October 2016. Available from: <http://www.hellenicshippingnews.com/shipyards-not-finding-enough-clients-as-owners-shy-away-from-new-orders/> Ship owners have shied away from placing many newbuilding orders over the course of 2016 and this has been the norm for the past few weeks as well.

Building an environmentally friendly ferry fleet. **By David Mott.** *Cruise and Ferry* [Online]. 4 October 2016. Available from: <http://www.cruiseandferry.net/articles/building-an-environmentally-friendly-ferry-fleet> In the dash to meet environmental regulations and reduce emissions, the majority of ferry owners have opted to retrofit existing vessels with engines capable of operating on both conventional diesel fuel and LNG, or build new hybrid vessels.

RCL announces two new ships powered by LNG and fuel cells. *Royal Caribbean Cruises Ltd* [Online]. 10 October 2016. Available from: <http://www.rclcorporate.com/rcl-announces-two-new-ships-powered-by-lng-and-fuel-cells/> One of the first lessons taught to new chemistry students – water is made of two hydrogen atoms and one of oxygen – is the basis for clean, green propulsion technology that will be introduced aboard a new class of ships announced today by Royal Caribbean Cruises Ltd.

Damen presents the next generation of expedition cruising. *Damen Shipyards Group* [Online]. 13 October 2016. Available from: http://www.damen.com/en/news/2016/10/damen_presents_the_next_generation_of_expedition_cruising From the outset of this project, Damen has collaborated with Expedition Voyage Consultants; an established and trusted name in the expedition cruise business known for their innovative approach to expedition management.

Full steam ahead for construction of UK's £200 million new polar research ship *RRS Sir David Attenborough*. *UK Government* [Online]. 17 October 2016. Available from: <https://www.gov.uk/government/news/full-steam-ahead-for-construction-of-uks-200-million-new-polar-research-ship-rrs-sir-david-attenborough> Construction was officially started by world-renowned naturalist and broadcaster Sir David Attenborough, after whom the ship is named, during a ceremonial event at Cammell Laird's shipyard in Birkenhead.

Sir David Attenborough visits Cammell Laird for historic keel laying. *Cammell Laird* [Online]. 17 October 2016. Available from: <http://www.clbh.co.uk/cammell-laird/sir-david-attenborough-visits-cammell-laird-historic-keel-laying> Cammell Laird today held one of the biggest ceremonies in its illustrious history when Sir David Attenborough joined more than 1000 people for the keel laying of the new £150million polar research vessel.

Korea to Spend \$9.6 Billion by 2020 to Support Shipbuilding. By Jiyeun Lee, Kanga Kong, and Kyunghhee Park. *Bloomberg* [Online]. 31 October 2016. Available from: <http://www.bloomberg.com/news/articles/2016-10-31/korea-to-spend-9-6-billion-by-2020-to-support-shipping-industry> South Korea, home to the world's three biggest shipbuilders, plans to spend about 11 trillion won (\$9.6 billion) by 2020 to help the industry amid a dearth of new orders and prolonged losses.

SHIPPING

Post-Brexit opportunities for UK shipping. *Seatrade Maritime News* [Online]. 30 September 2016. Available from: <http://www.seatrade-maritime.com/news/europe/post-brexit-opportunities-for-uk-shipping.html> The adverse effects of Brexit on the international shipping industry could turn out to be "not very much", according to Harry Theochari, global head of transport for law firm Norton Rose Fulbright (NFB), which hosted a half-day conference entitled "Shipping in times of Brexit – business opportunities with less regulation?" at its London headquarters this week.

On World Day, UN spotlights role of maritime transport as backbone of global economy. *UN News Centre* [Online]. 29 September 2016. Available from: <http://www.un.org/apps/news/story.asp?NewsID=55158> 🗣️ The importance of shipping in supporting and sustaining today's global society makes it indispensable to the world and to meeting the challenges of the sustainable development agenda, top UN officials declared today, as the international community marked World Maritime Day.

Union Maritime to fit emissions-cleaning scrubber without upfront cost. By Jack Jordan. *S&P Global Platts* [Online]. 29 September 2016. Available from: <http://www.platts.com/latest-news/shipping/london/union-maritime-to-fit-emissions-cleaning-scrubber-26557598> UK shipping company Union Maritime has signed an agreement to fit an emissions-cleaning scrubber to one of its vessels without having to pay upfront, the company said Thursday, in a deal which may make the technology more attractive to shipowners.

Recap of listening session – Heavy fuel oil in the Arctic. By Melissa Perera, Coast Guard Office, Operating and Environmental Standards. *US Coast Guard Maritime Commons* [Online]. 29 September 2016. Available from: <http://mariners.coastguard.dodlive.mil/2016/09/29/recap-listening-session-heavy-fuel-oil-arctic/> On Sept. 27, 2016, the U.S. Coast Guard held a very successful and informative public listening session in Washington D.C. on the topic of heavy fuel oil (HFO) use by ships in the Arctic.

Luxury Cruises and Other Realities of a Changing Arctic. By Andrew Hartsig. *Ocean Conservancy* [Online]. 29 September 2016. Available from: <http://blog.oceanconservancy.org/2016/09/29/luxury-cruises-and-other-realities-of-a-changing-arctic/> With far less attention than she garnered at the start of her journey, *Crystal Serenity* sailed into New York City on September 16, 2016, becoming the first cruise ship of her size to complete the journey through the Northwest Passage.

Dubai Welcomes Global Maritime Leaders in November. *Hellenic Shipping News* [Online]. 3 October 2016. Available from: <http://www.hellenicshippingnews.com/dubai-welcomes-global-maritime-leaders-in-november/> Dubai Maritime City Authority (DMCA), the government authority charged with regulating, coordinating and supervising all aspects of Dubai's maritime sector, is all set to launch Dubai Maritime Summit 2016 on the sidelines of the third edition of Dubai Maritime Week.

Vago: "The shipyards will stay in Europe" / INTERVIEW. By Simone Gallotti.

MediTelegraph (Italy) [Online]. 30 September 2016. Available from:

<http://www.themeditelegraph.com/en/shipping/cruise-and-ferries/2016/09/30/vago-the-shipyards-will-stay-europe-interview-ZlYu2uPojTIDFLThHpCqzI/index.html> Pierfrancesco Vago, MSC's Executive Chairman, is also wearing the hat of the chief of CLIA, the European Cruise Industry Association, and today at Italian Cruise Day in La Spezia, he will evaluate the growing weight of the sector that he represents.

Interview: Bahri Sees Huge Opportunities for Innovation in Big Data. *World Maritime News* [Online]. 3 October 2016. Available from:

<http://worldmaritimenews.com/archives/202717/interview-bahri-sees-huge-opportunities-for-innovation-in-big-data/> The Maritime industry is believed to be generating an estimated 100 – 120 million data points each day which equates to terabytes of Data that can fill out Big Data centers.

World's National Shipowner Associations Press Shipping's Global Regulator to Set Timeline for Reducing Green House Gas Emissions. *International Chamber of Shipping (ICS)* [Online]. 5 October 2016. Available from: <http://www.goo.gl/M8Djec> About 90% of global trade is moved by cargo ships which are collectively responsible for about 2.2% of the world's total Green House Gas (GHG) emissions (similar to that emitted by international aviation).

Shipping Braces for Hurricane Matthew. *Maritime Executive* [Online]. 4 October 2016.

Available from: <http://www.maritime-executive.com/article/hurricane-matthew-tears-through-caribbean> Cruise lines and merchant vessel operators are reconsidering their voyage plans to account for the arrival of Hurricane Matthew, the strongest storm in the Caribbean in a decade.

Is Shipping The Next Financial Crisis? *Port Technology International* [Online].

4 October 2016. Available from:

<https://www.porttechnology.org/news/feature-is-shipping-the-next-financial-crisis>

The Hanjin Shipping collapse rocked the shipping industry; the seventh largest shipping company operating at the time filing for receivership and leaving its vessels abandoned across the globe was potentially a warning sign for things to come for other industry actors.

European perspective on shipping to the fore at Malta Maritime Summit.

Seatrade Maritime News [Online]. 6 October 2016. Available from: <http://www.seatrade-maritime.com/news/europe/european-perspective-on-shipping-to-the-fore-at-malta-maritime-summit.html> The inaugural Malta Maritime Summit began in Valletta on Tuesday, with a host of top industry names lauding the initiative to hold a major shipping conference in such an important maritime centre, especially on the eve of Malta assuming six-month presidency of the Council of the EU in January.

Setting the course for the 2017 European maritime year. *Danmarks Rederiforening (Danish Shipowners' Association)* [Online]. 5 October 2016. Available from:

<https://www.shipowners.dk/en/presse/nyheder/setting-the-course-for-the-2017-european-maritime-year/> Key stakeholders meet in Malta to discuss the future of shipping in the EU and how to secure the best conditions for continued growth.

UK at risk of 'Sea Strangulation', Nautilus warns. *Nautilus International* [Online].

4 October 2016. Available from: <https://www.nautilusint.org/en/what-we-say/nautilus-news/uk-at-risk-of-sea-strangulation-nautilus-warns/> The continuing decline in the number of British seafarers and UK-flagged vessels is putting the nation's economic security at risk and could leave it 'dangerously dependent' on other countries for many essential goods, Nautilus International warned today.

Republic of the Marshall Islands Becomes No. 1 Flag for World's Tanker Fleet.

Marshall Islands Registry [Online]. 10 October 2016. Available from: <http://www.goo.gl/yd0yif>

 This status was achieved over the summer with additional tonnage joining the RMI Registry from markets in Greece, the United States (US), and Asia.

Critical period for shipping. By Nazery Khalid, Honorary Secretary, Association of Marine Industries of Malaysia. *The Star (Malaysia)* [Online]. 10 October 2016. Available from: <http://www.thestar.com.my/opinion/letters/2016/10/10/critical-period-for-shipping/>

The shipping industry is the faithful, hardly seen, uncomplaining servant of global trade and economy.

Lord Mayor reaffirms support for maritime sector. *Maritime UK* [Online]. 10 October 2016.

Available from: <https://www.maritimeuk.org/news-blog/news-lord-mayor-reaffirms-support-maritime-sector/>

A year on from the launch of the Maritime Growth Study, representatives from across the maritime sector came together at Mansion House for a seminar to discuss progress towards the Study recommendations and to explore the implications of Brexit for the maritime sector.

Delay to curbs on toxic shipping emissions 'would cause 200,000 extra premature deaths'. By Arthur Neslen. *The Guardian* [Online]. 7 October 2016. Available from:

<https://www.theguardian.com/environment/2016/oct/07/delay-to-curbs-on-toxic-shipping-emissions-would-cause-200000-extra-premature-deaths>

A push by the shipping and oil industries for a five-year delay to curbs on toxic sulphur emissions would cause an extra 200,000 premature deaths from lung cancer and heart disease, according to an unpublished International Maritime Organisation (IMO) study.

European shipowners welcome CO2 deal for aviation and look forward to positive decisions at IMO. *European Community Shipowners' Associations (ECSA)* [Online].

7 October 2016. Available from: <http://www.ecsa.eu/news-and-media/9-latest-news/273-european-shipowners-welcome-co2-deal-for-aviation-and-look-forward-to-positive-decisions-at-imo>

European shipowners welcome the International Civil Aviation Organisation's (ICAO) agreement reached yesterday on a new global market-based measure to control Green House Gas (GHG) emissions from international aviation.

Review of EU shipping policy: no time for business as usual.

European Community Shipowners' Associations (ECSA) [Online]. 7 October 2016.

Available from: <http://www.ecsa.eu/9-latest-news/272-review-of-eu-shipping-policy-no-time-for-business-as-usual>

The future of European shipping policy was debated on Wednesday in a seminar held in Valletta, Malta, a few days after the European Commission published the implementation report of its mid-term Review of EU Maritime Transport Policy.

Concern as N. Korean ships fly TZ flag. *The Citizen (Tanzania)* [Online]. 10 October 2016.

Available from: <http://www.thecitizen.co.tz/News/Concern-as-N--Korean-ships-fly-TZ-flag/1840340-3411114-99ik8h/index.html>

An investigation carried out by Mr Leo Byrne, the Data and Analytic Director at NK News based in Seoul, South Korea, has shown that around 15 per cent of North Korea ships in the NK Pro vessel tracker now sail under the Tanzania flag.

Pioneering yachtswoman Clare Francis joins Maritime Media Awards 2016 to champion 'women in maritime'. *Maritime Foundation* [Online]. 10 October 2016. Available from:

<http://www.bmcf.org.uk/2016/10/10/pioneering-yachtswoman-clare-francis-joins-maritime-media-awards-2016-champion-women-maritime/>

The shortlist for the 2016 Maritime Media Awards has been revealed today ahead of the October celebration which will this year champion the importance of women in maritime.

Size and scale 'are critical' to LNG bunker-supply ships, says Bomin Linde LNG boss. By Karen Thomas. *LNG World Shipping* [Online]. 12 October 2016. Available from: http://www.lngworldshipping.com/news/view,size-and-scale-are-critical-to-lng-bunkersupply-ships-says-bomin-linde-lng_44956.htm Hamburg-based Bomin Linde LNG has ordered a 7,500m³ LNG bunker-supply ship to be based at the Port of Klaipeda in Lithuania, serving a hinterland that spans the Baltic Sea.

Sovcomflot takes part in Polar Code and Safety of Ice-going Ships conference. *Sovcomflot* [Online]. 11 October 2016. Available from: http://www.scf-group.com/en/press_office/press_releases/item77510.html On 5 October 2016, PAO Sovcomflot and the Russian Maritime Register of Shipping (RS) held a conference entitled "Polar Code and Safety of Ice-going Ships". The event was dedicated to the specifics of implementing the Polar Code in Russia.

Cyprus aiming to be more attractive for international shipping investment. *Seatrade Maritime News* [Online]. 11 October 2016. Available from: <http://www.seatrade-maritime.com/news/europe/cyprus-aiming-to-be-more-attractive-for-international-shipping-investment.html> The role of the shipping industry in reaching a settlement of the Cyprus problem will boost the prospects of the island nation's shipping sector, the country's President Nicos Anastasiades told the Cyprus Union of Shipowners in Athens on 10 October.

Can Shipping Keep Its Big Break Going? *Clarkson Research Services Limited (CRSL)* [Online]. 7 October 2016. Available from: <https://clarksonresearch.wordpress.com/2016/10/07/can-shipping-keep-its-big-break-going/> As snooker players know, it's hard to keep a good break going. In today's conditions, the shipping industry needs supply-side re-positioning to help the markets back to improved health, and increased recycling in recent years has been a clear part of this.

Shipowners against removal of old ships, monopoly. By Elias O.Baquero. *Sun Star (Philippines)* [Online]. 12 October 2016. Available from: <http://www.sunstar.com.ph/cebu/local-news/2016/10/13/shipowners-against-removal-old-ships-monopoly-503245> Shipowners in Cebu sought the help of the House of Representatives and the Senate against the plan of the Department of Transportation (DOTr) to phase out old ships and create a shipping monopoly.

For Asians, Arctic shipping already a "reality". By Kevin McGwin. *Arctic Journal* [Online]. 12 October 2016. Available from: <http://www.thearcticjournal.com/business/2616/asians-arctic-shipping-already-reality> As Western firms wait to for Arctic shipping to show its worth, Asian countries are already betting on the emergence of an Arctic economic rim

Russia Tests Towing Million-Ton Iceberg. By Mike Schuler. *gCaptain* [Online]. 12 October 2016. Available from: <https://gcaptain.com/russia-tests-towing-million-ton-iceberg-photos/> A Russian icebreaker has successfully towed an iceberg weighing approximately 1 million tons, according to the oil company Rosneft.

Yemen's Houthis say ready to help investigate attacks on international shipping. By Mohammed Ghobari and Katie Paul. *Reuters* [Online]. 13 October 2016. Available from: <http://www.reuters.com/article/us-yemen-security-usa-houthis-idUSKCN12D0N3> Yemen's dominant Houthi group denied any role in missile strikes on U.S. warships in the Bab al-Mandab Strait, and offered to help investigate attacks on international shipping in the area, the news agency controlled by the group reported on Thursday.

Know the agency at centre of ships row. By Louis Kolumbia. *The Citizen (Tanzania)* [Online]. 17 October 2016. Available from: <http://www.thecitizen.co.tz/News/Know-the-agency-at-centre-of-ships-row/1840340-3419350-59cbq/index.html> The Tanzania Zanzibar International Register of Shipping (TZIRS) is the agency at the centre of the controversy surrounding the assigning of the Tanzanian flag to 50 vessels believed to be owned by or linked to North Korea.

Taking Centre Stage: Seaborne Trade's Key Role. *Clarkson Research Services Limited (CRSL)* [Online]. 14 October 2016. Available from: <https://clarksonresearch.wordpress.com/2016/10/14/taking-centre-stage-seaborne-trades-key-role/> Shipping plays a major role in the world's industries, facilitating the transport of large volumes of raw and processed materials.

Industry leaders convene in Naples for a look into the future of shipping. *Hellenic Shipping News* [Online]. 18 October 2016. Available from: <http://www.hellenicshippingnews.com/industry-leaders-convene-in-naples-for-a-look-into-the-future-of-shipping/> The 7th edition of Shipping and the Law conference, organized by Studio Legale Lauro, will take place 25-26 October, bringing together industry leaders and decision-makers from around the world.

The burden of the affordability factor in shipping. *Seatrade Maritime News* [Online]. 18 October 2016. Available from: <http://www.seatrade-maritime.com/news/europe/the-burden-of-the-affordability-factor-in-shipping.html> Ships are cheap, shipyards are desperate for any sort of order and sacking their workers by the hundred, as the building berths empty out.

Ship operators oppose old vessel's phaseout. By Gregg M. Rubio. *Philippine Star* [Online]. 19 October 2016. Available from: <http://www.philstar.com/cebu-news/2016/10/19/1635138/ship-operators-oppose-old-vessels-phaseout> Shipping operators are seeking the suspension of the implementation of Executive Order No. 909 that encourages ship owners to invest in brand new vessels for domestic routes.

Shiploads of trouble: The real cost of shipping us everything. By Adria Vasil. *NOW Toronto (Canada)* [Online]. 18 October 2016. Available from: <https://nowtoronto.com/news/ecoholic/shiploads-of-trouble-the-real-cost-of-shipping/> Planet in Focus film explores the mechanics – and perils – of an invisible industry that pollutes the high seas and whose workers toil under "flags of convenience" in near-slavery conditions.

Fourth successive year of decline in operating costs. By Richard Greiner. *Moore Stephens* [Online]. 19 October 2016. Available from: <http://www.moorestephens.co.uk/news-views/october-2016/fourth-successive-year-of-decline-in-operating-cos> The findings are set out in OpCost 2016 (www.opcostonline.com), Moore Stephens' unique ship operating costs benchmarking tool, which reveals that that total operating costs for the tanker, bulker and container ship sectors were all down in 2015, the financial year covered by the study.

Women in maritime set up info network. By Charlene Lanyon. *Fiji Times* [Online]. 20 October 2016. Available from: <http://fijitimes.com/story.aspx?id=375335> The Fiji Women in Maritime Association hopes to establish an information sharing network and provide a platform to address issues affecting women in the industry.

Durban Women Scoop Maritime Awards. By Joseph R. Fonseca. *Maritime Logistics Professional* [Online]. 20 October 2016. Available from:

<http://www.maritimeprofessional.com/news/durban-women-scoop-maritime-awards-297080>

The Women in Transport Awards is a collaborative platform co-located with the African Ports Evolution conference and exhibition, and is dedicated to recognising excellence within the rail and maritime industry in Africa.

Jeddah hosting 20 global experts to tackle challenges in maritime sector. *Saudi Gazette (Saudi Arabia)* [Online]. 24 October 2016. Available from:

<http://saudigazette.com.sa/business/jeddah-hosting-20-global-experts-tackle-challenges-maritime-sector/>

For the first time, Saudi Arabia is hosting 20 experts from the United States, Britain, Germany, France, Asia and the Gulf countries to discuss the development of the maritime sector in Saudi Arabia and the world to look at investment opportunities and challenges of marine transport and ports sector during the 12th edition of International Conference on Transport and Logistics MARLOG, Jeddah 2016.

China is set to leap ahead in cruise market says Euroyards chief Corrado Antonini.

By James Brewer. *All About Shipping* [Online]. 24 October 2016. Available from:

<http://www.allaboutshipping.co.uk/2016/10/24/china-is-set-to-leap-ahead-in-cruise-market-says-euroyards-chief-corrado-antonini/>

One of the world's most experienced executives in cruiseship construction has emphasised the growing role that China will play in the market.

Maritime industry important to Fiji. By Maika Bolatiki. *Fiji Sun Online* [Online].

26 October 2016. Available from: <http://fijisun.com.fj/2016/10/26/maritime-industry-important-to-fiji/>

The Maritime Industry plays an integral part in Fiji's building initiatives.

France's Engie sees greatest LNG growth as shipping fuel. By Mark Tay. *Reuters* [Online].

26 October 2016. Available from: <http://uk.reuters.com/article/uk-lng-engie-idUKKCN12Q05H>

Demand for liquefied natural gas (LNG) as a shipping fuel could soar over the next 10-15 years if authorities this week agree a global cap on sulphur dioxide emissions, a senior executive of French energy firm Engie (ENGIE.PA) said.

DMCA launches new 'Maritime Dubai' initiative to sustain Dubai's global competitiveness as leading maritime gateway to global trade. *Government of Dubai* [Online].

26 October 2016. Available from: <http://www.mediaoffice.ae/en/media-center/news/26/10/2016/dmca.aspx>

As part of the ongoing initiatives to cement Dubai's leadership in the global maritime map, the Dubai Maritime City Authority (DMCA) has launched its new 'Maritime Dubai' initiative.

After 20,000 Job Cuts, World's Top Shipyards Brace for More. By Kyunghee Park.

Bloomberg [Online]. 25 October 2016. Available from:

<http://www.bloomberg.com/news/articles/2016-10-25/after-20-000-job-cuts-world-s-biggest-shipyards-brace-for-more>

South Korea's shipbuilding industry -- home to the world's top three manufacturers -- has eliminated more than 20,000 jobs this year.

2016 Tripartite Meeting: Shipping Industry Meets in Tokyo to Discuss Mutual Challenges.

International Chamber of Shipping (ICS) [Online]. 25 October 2016. Available from:

<http://www.ics-shipping.org/news/press-releases/view-article/2016/10/25/2016-tripartite-meeting-shipping-industry-meets-in-tokyo-to-discuss-mutual-challenges>

Some 200 representatives of classification societies, shipbuilders and shipowners came together in Tokyo last week for their annual 'Tripartite Meeting' on issues of common interest.

Shipping industry criticised for failure to reach carbon emissions deal. By Fiona Harvey. *The Guardian* [Online]. 28 October 2016. Available from: <https://www.theguardian.com/environment/2016/oct/28/shipping-industry-fails-agreement-cap-carbon-emissions> The world's leading shipping organisation has been condemned by environmental campaigners and MEPs for its failure to urgently tackle the industry's impact on climate change, after it agreed only to a partial reduction in harmful emissions from ships.

Ballast water disruption looms for shipping. By Paul Bartlett. *Seatrade Maritime News* [Online]. 1 November 2016. Available from: <http://www.seatrade-maritime.com/news/europe/ballast-water-disruption-looms-for-shipping.html> This is the message from experts who reveal a number of cases where owners have taken short cuts to save money; where European treatment systems copied and reproduced in the Far East fail to perform; and where South Korean shipyards demand premiums running into millions of dollars if an owner chooses not to install the builder's system of choice.

LNG must tap 2020 sulphur cap boost. By Karen Thomas. *LNG World Shipping* [Online]. 1 November 2016. Available from: http://www.lngworldshipping.com/news/view,lng-must-tap-2020-sulphur-cap-boost_45233.htm The LNG shipping industry has welcomed last week's decision by the IMO's marine environment protection committee (MEPC 70) to adopt the global 0.5 per cent sulphur cap from 2020, rather than from 2025.

IBIA to Highlight Emerging Caribbean Bunkering Opportunities with Regional Forum in Jamaica. *Ship & Bunker* [Online]. 31 October 2016. Available from: <http://shipandbunker.com/news/am/705293-ibia-to-highlight-emerging-caribbean-bunkering-opportunities-with-regional-forum-in-jamaica> The International Bunker Industry Association (IBIA) today announces its next Regional Forum, "The 'New Panamax' fuelling a new era in the Caribbean", will take place in Jamaica from the 7-9th March, 2017.

Japan shippers plan container operations merger to survive industry slump. By Tim Kelly. *Reuters* [Online]. 31 October 2016. Available from: <http://in.reuters.com/article/japan-shippers-idINKBN12V08J> Japan's top three shippers said they will integrate their container shipping operations to create the world's sixth-largest fleet, joining a growing trend of consolidation in an industry battling its worst-ever downturn.

Shipping split over digitalisation. By Hal Brown. *Lloyd's List* [Online]. 28 October 2016. Available from: <https://www.lloydslist.com/ll/sector/tankers/article541048.ece> Shipowners are divided over the impact of digital technology on the industry over the next five years.

RESEARCH

Sustainable Arctic Shipping: Are Current International Rules for Polar Shipping Sufficient? By Aldo Chircop. *Journal of Ocean Technology*. [Online]. (2016). Available from: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2847027 On January 1, 2017, the International Code for Ships Operating in Polar Waters (Polar Code) will enter into force, ushering in a new era in regulation of shipping in Arctic and Antarctic waters.

Global Oceans Governance: New and Emerging Issues. By L. M. Campbell, N. J. Gray et al. *Annual Review of Environment and Resources*. [Online]. (2016). Available from: <http://dx.doi.org/10.1146/annurev-environ-102014-021121> Increased interest in oceans is leading to new and renewed global governance efforts directed toward ocean issues in areas of food production, biodiversity conservation, industrialization, global environmental change, and pollution.

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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.