

INTERNATIONAL MARITIME ORGANIZATION
MARITIME KNOWLEDGE CENTRE
“sharing maritime knowledge”

CURRENT AWARENESS BULLETIN

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

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IMO / UNITED NATIONS NEWS & EVENTS

WHAT'S NEW

World Maritime Day 2016

The World Maritime Day theme for 2016 is "Shipping: indispensable to the world".

The theme was chosen to focus on the critical link between shipping and global society and to raise awareness of the relevance of the role of IMO as the global regulatory body for international shipping. The importance of shipping to support and sustain today's global society gives IMO's work a significance that reaches far beyond the industry itself.


[Official video message by Kitack Lim, IMO Secretary-General, for World Maritime Day 2016](#)



World Maritime Day celebrations

World Maritime Day was celebrated across the globe on Thursday 29 September. From Trinidad and Tobago, where celebrations in Port of Spain involved the whole community with ship visits and maritime themed activities, to the Pacific, where school children in the Cook Islands got the chance to visit a merchant ship. Maritime training institutes, seafarers, shipping companies and organizations as well as Governments from South Africa to Canada shared their [#WorldMaritimeDay](#) stories. On social media, hundreds of thousands of people engaged with the theme - Shipping: indispensable to the world. The day rounded off at IMO Headquarters with the traditional evening reception ([photos here](#)).

World Maritime Day Forum 2016

A stimulating debate on shipping's future challenges took place at IMO Headquarters in London ([photos](#)), with thousands tuning in worldwide via online participation and hundreds of people submitting their questions to the panel. Listen to the entire debate [here](#) and view a video summary [here](#) .

World Maritime Day 2016 – Shipping: indispensable to the world

Briefing: 25, September 29, 2016

Parallel Event 2016

The World Maritime Day Parallel Event will be held in Turkey in November 2016. Visit www.worldmaritimedayturkey.com/ for further details.

IMO MEETINGS FOR 2016

[38th Consultative Meeting of Contracting Parties \(London Convention 1972\) and 11th Meeting of Contracting Parties \(London Protocol 1996\)](#)

38th session, 19 – 23 September 2016

[Sub-Committee on Carriage of Cargoes and Containers \(CCC\)](#)

3rd session, 5 – 9 September 2016

IMO PRESS BRIEFINGS

[More States urged to ratify the London Protocol](#)

Briefing: 24, September 20, 2016

[New guides for strengthening effective implementation of IMO's energy efficiency regulations for ships rolled out at GloMEEP training](#)

Briefing: 23, September 20, 2016

[Global treaty to halt invasive aquatic species to enter into force in 2017](#)

Briefing: 22, September 8, 2016

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

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

RECENT SPEECHES BY IMO SECRETARY-GENERAL KITACK LIM

[38th Consultative Meeting of Contracting Parties to the London Convention and the 11th Meeting of Contracting Parties to the London Protocol \(Opening Address\)](#)

19 September 2016

[Seminar on Maritime Transport Policy for Senior Maritime Transport Officials, Batumi, Georgia](#) 14 September 2016

[Georgia International Maritime Forum, Batumi, Georgia](#) 13 September 2016

[International Chamber of Shipping Conference, Keynote address](#) 7 September 2016

[Sub-Committee on Carriage of Cargoes and Containers \(CCC\), 3rd session, 5-9 September 2016 \(Opening Address\)](#) 5 September 2016

UNITED NATIONS NEWS

UNESCO Director-General welcomes creation of world's largest marine protected area.

UNESCO [Online]. 29 August 2016. Available from: http://www.unesco.org/new/en/media-services/single-view/news/unesco_director_general_welcomes_creation_of_worlds_large UNESCO Director-General, Irina Bokova, welcomed the establishment by the President of the United States, Mr. Barack Obama, of the largest nature reserve in the world, by expanding the marine reserve Papahānaumokuākea, in Hawaii (USA), listed as a UNESCO World Heritage site since 2010.

In historic ceremony, UN chief hails China, US for formally joining Paris climate agreement.

UN News Centre [Online]. 3 September 2016. Available from: <http://www.un.org/apps/news/story.asp?NewsID=54836> Visiting the southeastern city of Hangzhou in China, United Nations Secretary-General Ban Ki-moon has commended the leaders of that country and the United States for formally joining the Paris Agreement on climate change today.

Summit for Refugees and Migrants - 19 September 2016.

United Nations [Online]. September 2016. Available from: <http://refugeesmigrants.un.org/summit> This is the first time the General Assembly has called for a summit at the Heads of State and Government level on large movements of refugees and migrants and it is a historic opportunity to come up with a blueprint for a better international response.

As 71st General Assembly opens, new President pledges to 'turn the wheels' on implementing 17 Global Goals.

UN News Centre [Online]. 13 September 2016. Available from: www.un.org/apps/news/story.asp?NewsID=54912 The United Nations General Assembly today opened its 71st session, with an emphasis on ensuring that implementation of the new global development goals, adopted by its 193 Member States last year, is well underway.

Curtain rises on world's busiest diplomatic arena at UN Headquarters.

UN News Centre [Online]. 16 September 2016. Available from: <http://www.un.org/apps/news/story.asp?NewsID=54941> During the high-level segment of the General Assembly's 71st session, which starts next week, monarchs, presidents and prime ministers will engage in debates that define international responses to many of the global challenges of today, including protracted conflicts, extreme poverty and hunger, the refugee crisis and climate change.

As 300,000 cross Mediterranean this year, UNHCR calls for admission pathways for refugees and speedy relocation out of Italy and Greece.

By William Spindler. United Nations High Commissioner for Refugees (UNHCR) [Online]. 20 September 2016. Available from: <http://www.unhcr.org/uk/news/briefing/2016/9/57e0fb264/300000-cross-mediterranean-year-unhcr-calls-admission-pathways-refugees.html> This is a summary of what was said by UNHCR spokesperson William Spindler – to whom quoted text may be attributed – at today's press briefing at the Palais des Nations in Geneva.

World leaders at UN summit adopt 'bold' plan to enhance protections for refugees and migrants.

UN News Centre [Online]. 19 September 2016. Available from: <http://www.un.org/apps/news/story.asp?NewsID=54948> With more people forced to flee their homes than at any time since World War II, world leaders came together at the United Nations today to adopt the New York Declaration, which expresses their political will to protect the rights of refugees and migrants, to save lives and share responsibility for large movements on a global scale. [New York Declaration](#)

UN official unveils draft principles on protecting human rights of refugees and migrants.

UN News Centre [Online]. 20 September 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsID=54978> A senior United Nations official today unveiled a draft set of principles that urge the international community to build on the momentum created by the adoption yesterday, by UN Member States, of a landmark declaration on protecting the rights of refugees and migrants by including the critical issue of human rights in all discussions focusing on large-scale, perilous and irregular migration movements.

Security Council adopts resolution on countering terrorist threats to civil aviation.

UN News Centre [Online]. 22 September 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsID=55037> The global aviation system is of vital importance to economic development and prosperity, and all States must strengthen, both individually and collectively, aviation security measures, in order to secure a stable and peaceful global environment, the United Nations Security Council declared today.

World leaders spotlight 2030 Agenda, climate action at UN General Assembly's annual debate. *UN News Centre* [Online]. 26 September 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsID=55131> Speaking on behalf of Peter Thomson, the President of the United Nations General Assembly, one of the 193-member body's Vice-Presidents, Durga Prasad Bhattarai, Ambassador of Nepal, said he was encouraged by the fact that many UN Member States have already embedded the Sustainable Development Goals (SDGs) into their national plans and policies.

CASUALTIES



Indian cargo ship sinks off Oman coast. By Fahad al Mukrashi. *Gulf News* [Online]. 27 August 2016. Available from: <http://gulfnews.com/news/gulf/oman/indian-cargo-ship-sinks-off-oman-coast-1.1886100> An Indian cargo ship, with 11 crew members on board, sunk off the coast of Jalan Bani Bu Ali province on Saturday morning, an official at Oman police, told Gulf News.

Coastguards accused of oil rig pollution cover-up. By Rob Edwards. *Herald Scotland* [Online]. 4 September 2016. Available from: http://www.heraldscotland.com/news/14722434.Coastguards_accused_of_oil_rig_pollution_cover_up/ The UK coastguard agency has been accused of a pollution "cover-up" over the oil rig that ran aground in northwest Scotland last month.

4 detained over Mediterranean shipwreck, 2 bodies found. *Anadolu Agency (Turkey)* [Online]. 4 September 2016. Available from: <http://aa.com.tr/en/turkey/4-detained-over-mediterranean-shipwreck-2-bodies-found/640889> Less than a day after 84 people were rescued from a tour boat that capsized in the Turkish Mediterranean, the bodies of the two people lost in the wreck have been found, said officials of the coastal Antalya province late Sunday.

Work goes on to ready *Transocean Winner* rig for a move: Update 2nd September. *UK Maritime & Coastguard Agency* [Online]. 2 September 2016. Available from: <http://hmcoastguard.blogspot.co.uk/2016/09/work-goes-on-to-ready-transocean-winner.html> Preparations are being made for the *Transocean Winner* to be transported as 'dry cargo' to Turkey.

***Costa Concordia* Enters Final Stage of Scrapping.** *Maritime Executive* [Online]. 2 September 2016. Available from: <http://maritime-executive.com/article/costa-concordia-enters-final-stage-of-scrapping> On Thursday, five tugs towed the last of the cruise ship *Costa Concordia*'s hull to a drydock for dismantling, several years and hundreds of millions of dollars after the beginning of the scrapping effort.

Accident Investigation Report 17/2016: Fire in the engine room on the suction dredger *Arco Avon* with loss of 1 life. *UK Marine Accident Investigation Branch (MAIB)* [Online]. 1 September 2016. Available from: <https://www.gov.uk/maib-reports/fire-in-the-engine-room-on-the-suction-dredger-arco-avon-with-loss-of-1-life> This reports the MAIB's investigation into a fire in the engine room of the dredger *Arco Avon* while the vessel was loading a sand cargo approximately 12 miles off Great Yarmouth, UK [Report](#)  [Annexes](#) 

Update: *Transocean Winner*. *UK Maritime & Coastguard Agency* [Online]. 5 September 2016. Available from: <http://hmcoastguard.blogspot.co.uk/2016/09/update-transocean-winner.html> The Secretary of State's Representative (SOSREP) for Maritime Salvage and Intervention is in discussion with Transocean regarding the dry transport of the *Transocean Winner* drilling rig by a semi-submersible heavy lift vessel from the Isle of Lewis to Turkey.

Captain stabbed in mutiny onboard Turkish cargo ship. By Holly Birkett. *Splash 24/7* [Online]. 5 September 2016. Available from: <http://splash247.com/captain-stabbed-in-mutiny-onboard-turkish-cargo-ship/> Crew onboard the Turkish general cargo ship *Mehmet Unlu* are thought to have staged a mutiny in which the captain appears to have been stabbed in a knife fight, reports say.

Update: Houston ship channel reopens after bunker fuel spill, fire.

US Coast Guard Newsroom [Online]. 6 September 2016. Available from: <http://www.uscgnews.com/go/doc/4007/2880246/> The Upper Houston Ship Channel was closed at 12:08 a.m., immediately following a bunker fuel spill and fire from the Aframax River, an 810-foot tanker.

Refloated oil rig to be carried on back of colossal ship. By Chris Foote. STV News (Scotland) [Online]. 6 September 2016. Available from: <http://stv.tv/news/highlands-islands/1366164-refloated-oil-rig-to-be-carried-on-back-of-colossal-ship/>

The *Transocean Winner* grounded on Lewis after breaking free from the vessel towing it in a storm on August 8.

Two Crew Killed as Viking River Cruise Ship Wheelhouse Hits Low Bridge in Germany.

By Mike Schuler. gCaptain [Online]. 11 September 2016. Available from:

<https://gcaptain.com/two-officers-killed-after-viking-river-cruises-hits-bridge-in-germany/>

Two officers navigating the Viking River Cruises cruise ship *Viking Freya* were killed overnight when the vessel struck a bridge on Main-Donau-Kanal in Erlangen, Germany. VIEO

Boat explosion in Bali injures 20, kills one. By Ni Komang Erviani. Jakarta Post [Online].

15 September 2016. Available from: <http://www.thejakartapost.com/news/2016/09/15/boat-explosion-in-bali-injures-20-kills-one.html> Twenty people were taken to hospital for injuries sustained in a boat explosion, which killed one other passenger, on Thursday, according to the Denpasar Port Health Office (KKP).

Bali: Explosion on tourist boat kills two people. BBC News [Online]. 15 September 2016.

Available from: <http://www.bbc.co.uk/news/world-asia-37371190> An explosion on a tourist boat off the Indonesian island of Bali has killed two people and injured at least 14 others, police say.

18 dead in Ayutthaya boat sinking. By Soonthorn Pongpao. Bangkok Post [Online].

19 September 2016. Available from:

<http://www.bangkokpost.com/news/general/1089080/seven-killed-in-ayutthaya-boat-crash>

At least 18 people are dead and 7 are missing after a boat on a Muslim religious trip collided with a concrete flood barrier in Phra Nakhon Si Ayutthaya district on Sunday afternoon.

Second death from cruise ship accident. By Jonathan Bell. Royal Gazette (Bermuda)

[Online]. 19 September 2016. Available from:

<http://www.royalgazette.com/news/article/20160919/second-death-from-cruise-ship-accident>

A cruise ship accident that killed a crewman from the *Norwegian Breakaway* has claimed a second life, after another man seriously injured on July 20 succumbed to his injuries.

Interim report 5/2016: Collision between cargo ship *Daroja* and bunker barge *Erin Wood*, 29 August 2015. UK Marine Accident Investigation Branch (MAIB) [Online].

21 September 2016. Available from: <https://www.gov.uk/maib-reports/collision-between-cargo-ship-daroja-and-bunker-barge-erin-wood> [Interim Report](#)

Container ship rescues crew of sinking ship. Port Technology International [Online].

21 September 2016. Available from:

<https://www.porttechnology.org/news/container-ship-rescues-crew-of-sinking-ship>

After the Turkish MRCC (Search and Rescue) could not be reached the container ship *Electra A*, another Turkish flagged ship with a gross tonnage of over 30,000, came to the rescue.


Two more *El Faro* families accept settlement. *Maritime Executive* [Online].

20 September 2016. Available from: <http://www.maritime-executive.com/article/two-more-el-faro-families-accept-settlement> Two more families of the crewmembers of the lost con/ro *El Faro* have accepted a settlement package from the vessel's owner and operator, Tote Services and Tote Maritime Puerto Rico.

Two Oil Tankers Collide Off Belgium. *World Maritime News* [Online]. 21 September 2016.

Available from: <http://worldmaritimenews.com/archives/202361/two-oil-tankers-collide-off-belgium/> Two oil tankers suffered little damage after they collided in the morning hours of September 21, according to Belgian Maritime Rescue and Coordination Centre (MRCC).

Divers to inspect Lochmaddy harbour crash ferry. *BBC News* [Online]. 26 September 2016.

Available from: <http://www.bbc.co.uk/news/uk-scotland-highlands-islands-37470109>  Caledonian MacBrayne said the *MV Hebrides*, sailing from Harris, suffered a technical failure as she was preparing to dock at 11:00 on Sunday.

Fire breaks out on Pemex tanker in Gulf of Mexico, crew safe. By Natalie Schachar and Noe Torres. *Reuters* [Online]. 25 September 2016. Available from:

<http://uk.reuters.com/article/uk-mexico-pemex-idUKKCN11U0NM> A fire broke out on an oil tanker of Mexican state oil company Pemex in the Gulf of Mexico on Saturday, forcing all the crew to be evacuated in the latest accident to plague the struggling firm.

Mexico Extinguishes Fuel Tanker Fire Off Gulf Coast. By Elisabeth Malkin.

New York Times [Online]. 25 September 2016. Available from:

<http://www.nytimes.com/2016/09/26/world/americas/mexico-fuel-tanker-fire.html>

Firefighting crews extinguished a fire aboard a fuel tanker belonging to the Mexican state oil company, Pemex, late Sunday afternoon, about 30 hours after an explosion sent flames billowing into the air off the Gulf Coast port of Veracruz.

ENVIRONMENT

High seas fisheries management could recoup losses due to climate change.

University of British Columbia (UBC) [Online]. 30 August 2016. Available from:

<http://news.ubc.ca/2016/08/30/high-seas-fisheries-management-could-recoup-losses-due-to-climate-change/>

Closing the high seas to fishing could increase fish catches in coastal waters by 10 per cent, helping people, especially the most vulnerable, cope with the expected losses of fish due to climate change, new UBC research finds.

Paris Climate Agreement: Lost at Sea? By Benjamin Dills, Program Assistant, Wilson Center.

Charged Affairs [Online]. 29 August 2016. Available from:

<http://chargedaffairs.org/global-shipping-emissions/>

If the shipping industry was a country, it would be the world's sixth-largest emitter of greenhouse gases, coming in below Japan and just above Brazil and Germany.

Cause for Hope: Ocean Inspiration from the World Heritage community.

By Dr Fanny Douvère, Coordinator, Marine Programme, UNESCO World Heritage Centre.

National Geographic [Online]. 29 August 2016. Available from:

<http://voices.nationalgeographic.com/2016/08/29/cause-for-hope-ocean-inspiration-from-the-world-heritage-community/>

As I reported Saturday, the managers of the world's most beloved ocean places are meeting in the Galapagos this week to chart a path forward for Marine World Heritage.

We've only just begun: more climate fights are coming. By Ed King. *Climate Home* [Online]. 29 August 2016. Available from: <http://www.climatechangenews.com/2016/08/29/weve-only-just-begun-more-climate-fights-are-coming/> So we know the much-heralded Paris climate agreement is likely to come into force this year, and we also know it's not going to achieve much in the short term (more on that here).

Sustainable development of ocean resources. By Shahiduzzaman Khan. *Financial Express (Bangladesh)* [Online]. 29 August 2016. Available from: <http://print.thefinancialexpress-bd.com/2016/08/29/150387> With the international oil prices plummeting, deep sea exploration is no more viable for the international oil companies (IOCs). Many foreign firms have cancelled or are cancelling their exploration programmes in Bangladesh.

UCC helps 'blue' economy... *University College Cork (Ireland)* [Online]. 28 August 2016. Available from: <http://www.ucc.ie/en/about/uccnews/fullstory-685623-en.html> Aware of the problems facing maritime industries as competition for space increases, a Norwegian seaweed company, SES, has been investigating the potential of moving their seaweed farms further offshore.

Collecting Data from the Sky for Oil Spill Response. *US National Oceanic and Atmospheric Administration (NOAA)* [Online]. 26 August 2016. Available from: <http://response.restoration.noaa.gov/about/media/collecting-data-sky-oil-spill-response.html> NOAA scientists use satellites, airplanes, helicopters, and drones to examine oil on the ocean's surface.

Rare beaked whale found on Marin beach. By Mark Prado. *Mercury News (US)* [Online]. 31 August 2016. Available from: <http://www.mercurynews.com/2016/08/31/rare-beaked-whale-found-on-marin-beach/> A rarely seen Baird's beaked whale turned up on a beach in the Point Reyes National Seashore this week, a possible victim of a strike by a ship.

Mauritius hosts African Ministerial Conference on Ocean Economies and Climate Change. *Government of Mauritius* [Online]. 31 August 2016. Available from: <http://www.govmu.org/English/News/Pages/Mauritius-hosts-African-Ministerial-Conference-on-Ocean-Economies-and-Climate-Change.aspx> Mauritius is hosting from 1 to 3 September 2016 the African Ministerial Conference on Ocean Economies and Climate Change which will be held at Westin Turtle Bay Resort & Spa in Balaclava.

The Blue Economy in Small States. *Commonwealth Secretariat* [Online]. 31 August 2016. Available from: http://www.thecommonwealth-ilibrary.org/commonwealth/economics/the-blue-economy-in-small-states_5jlsqk98l8q8-en The 'blue economy' is an evolving concept that recognises the need to maximise the enormous economic potential of oceans while preserving it for future generations.

Herald View: Confused picture over marine environmental protection. By Greg Russell. *Herald Scotland* [Online]. 2 September 2016. Available from: http://www.heraldscotland.com/opinion/14718783.Herald_View_Confused_picture_over_marine_environmental_protection/ The UK Government appears reluctant to sign the International Maritime Organisation's (IMO) new convention on ballast water control, which is in stark contrast to its punctiliousness over observance of other inter-governmental agreements.

Dolphins in danger as pact not endorsed. By Greg Russell. *The National (Scotland)*

[Online]. 2 September 2016. Available from: <http://www.thenational.scot/news/dolphins-in-danger-as-pact-not-endorsed.21906> A highland pressure group has claimed the UK is now the only country bordering the North Sea not to have signed an international agreement to safeguard Scotland's seas from pollution by alien organisms.

Why the next two weeks are critical for the future of high seas marine life, the Ocean, and all of us. By Karen Sack. *Huffington Post* [Online]. 1 September 2016. Available from:

http://www.huffingtonpost.com/ocean-unite/why-the-next-two-weeks-ar_b_11814260.html

Protecting the health of the high seas is, literally, the biggest global challenge many people have never heard of.

State Of Marine Environment Report Coming For The Caribbean. *The Gleaner (Jamaica)*

[Online]. 1 September 2016. Available from: <http://jamaica-gleaner.com/article/news/20160901/state-marine-environment-report-coming-caribbean>

The United Nations Environment Programme (UNEP) is working to develop the Caribbean's first State of the Marine Environment Report, which should inform the response to pollution that threatens to devastate coastal and marine resources and jeopardise livelihoods.

Torres Strait marine debris education program. *Australian Maritime Safety Authority (AMSA)*

[Online]. 6 September 2016. Available from: <http://www.amsa.gov.au/about-amsa/recent-events/2016/sep-torres/index.asp> From 17-19 August, AMSA and the Tangaroa Blue

Foundation delivered a marine debris education program to school students on Thursday Island.

Soaring ocean temperature is 'greatest hidden challenge of our generation'.

By Oliver Milman. *The Guardian* [Online]. 5 September 2016. Available from:

<https://www.theguardian.com/environment/2016/sep/05/soaring-ocean-temperature-is-greatest-hidden-challenge-of-our-generation>

The soaring temperature of the oceans is the "greatest hidden challenge of our generation" that is altering the make-up of marine species, shrinking fishing areas and starting to spread disease to humans, according to the most comprehensive analysis yet of ocean warming.

Latest ocean warming review reveals extent of impacts on nature and humans.

International Union for Conservation of Nature (IUCN) [Online]. 5 September 2016.

Available from: <http://goo.gl/5Ntb6u> Ocean warming is affecting humans in direct ways and the impacts are already being felt, including effects on fish stocks and crop yields, more extreme weather events and increased risk from water-borne diseases, according to what has been called the most comprehensive review available on the issue, launched today by the International Union for Conservation of Nature (IUCN) at the IUCN World Conservation Congress in Hawaii. [Explaining ocean warming: causes, scale, effects and consequences](#)

Sea fuel transfers ring environmental alarm. *Cayman News Service* [Online].

6 September 2016. Available from: <https://caymannewsservice.com/2016/09/sea-fuel-transfers-ring-environmental-alarm/>

Ship-to-ship transfers of fuel products just beyond the edge of Cayman waters, about 15 miles out to sea, are causing concern for some conservationists, who are worried that the unregulated activity, which is beyond the control of local authorities, could present a future environmental disaster for Cayman.

Why the ocean is key to climate protection. By Irene Quaile. *Deutsche Welle (DW)*

(Germany) [Online]. 6 September 2016. Available from: <http://www.dw.com/en/why-the-ocean-is-key-to-climate-protection/a-19523082>

The World Conservation Congress - the largest environment decision-making forum - is taking place in Hawaii.

Here's What China and the U.S. Just Committed to on Climate. By John Upton.

Scientific American [Online]. 7 September 2016. Available from:

<http://www.scientificamerican.com/article/here-s-what-china-and-the-u-s-just-committed-to-on-climate/>

The leaders of the U.S. and China committed their nations to the fight against global warming on Saturday when they handed arcane but momentous documents to the United Nation's top official.

Baltic Sea clean shipping guide released. *Baltic Marine Environment Protection Commission (HELCOM)* [Online]. 8 September 2016. Available from:

<http://www.helcom.fi/news/Pages/Baltic-Sea-Clean-Shipping-Guide-released.aspx>

New and extended version of the HELCOM Baltic Sea Clean Shipping Guide has been released in both electronic and print form. [Baltic Sea Clean Shipping Guide 2016](#) 

Sustainable blue growth in the Baltic Sea Region. *European Commission* [Online].


12 September 2016. Available from:

http://ec.europa.eu/information_society/newsroom/cf/mare/itemlongdetail.cfm?item_id=34250&subweb=342&lang=en

The Baltic Sea is a hotbed for innovation and competitiveness, the Baltic Sea Region also features a strong tradition of transnational cooperation for working with and for a healthy Baltic Sea.

Thames pleasure cruiser crashes into Canary Wharf pier after engine catches fire.

BBC News [Online]. 11 September 2016. Available from: [http://www.bbc.co.uk/news/uk-](http://www.bbc.co.uk/news/uk-england-london-37334366)

[england-london-37334366](http://www.bbc.co.uk/news/uk-england-london-37334366)  A 300 tonne pleasure boat with 151 people on board crashed into a pier on the Thames in London after its engine caught fire.

An ocean of threats must be tackled to protect the world's 'blue economy,' U.S.

undersecretary says. By Ann M. Simmons. *Los Angeles Times* [Online]. 11 September 2016.

Available from: <http://www.latimes.com/world/global-development/la-fg-global-catherine-novelli-ga-snap-story.html>

They are the lifeblood of our planet, responsible for more than half of the oxygen we breathe.

Mining Companies Turning to the Oceans For Precious Gems and Metals; Environmentalists Warn of Dire Consequences. By Pam Wright. *Weather Channel* [Online].

12 September 2016. Available from: [https://weather.com/science/environment/news/deep-](https://weather.com/science/environment/news/deep-ocean-mining-environmentalists-impacts)

[ocean-mining-environmentalists-impacts](https://weather.com/science/environment/news/deep-ocean-mining-environmentalists-impacts)  As terrestrial mines begin to run dry, mining companies are turning to source a new source for precious gems and metals: the ocean.

Emerging economies don't want to talk about shipping emissions. By Megan Darby.


Climate Home [Online]. 13 September 2016. Available from:

<http://www.climatechangenews.com/2016/09/13/emerging-economies-dont-want-to-talk-about-shipping-emissions/>

China, India and Brazil oppose calls to discuss maritime sector's "fair share" of global efforts to combat climate change.

New Report Identifies Key Opportunities to Boost Growth in the Caribbean Sea while Preserving its Ecosystem. *World Bank* [Online]. 13 September 2016. Available from:

<http://www.worldbank.org/en/news/press-release/2016/09/07/opportunities-boost-growth-caribbean-sea-preserve-ecosystem>

In the lead up to this week's 'Our Ocean' conference hosted by U.S. Secretary of State John Kerry in Washington D.C., a new World Bank report released today examines how the transition to a 'blue economy' for Caribbean countries can not only generate growth, but also help countries gain greater resilience to external shocks by better preserving the ocean. [Toward a Blue Economy: A Promise for Sustainable Growth in the Caribbean](#) 

[Infographic](#)

Activists Open an Online Window onto the Global Fishing Fleet. By W. Wayt Gibbs.

Scientific American [Online]. 15 September 2016. Available from:

<http://www.scientificamerican.com/article/activists-open-an-online-window-onto-the-global-fishing-fleet/> Since 2014 a small group of environmentalists has been using satellites to track fishing vessels across the world's oceans, alerting authorities when boats appear to violate protected marine areas.

Previewing the 2016 Our Ocean Conference. By Catherine A. Novelli and Jonathan Pershing.

US Department of State [Online]. 14 September 2016. Available from:

<http://www.state.gov/r/pa/prs/ps/2016/09/261914.htm> Today we're going to preview the 2016 Our Ocean conference, excuse me, which is going to begin tomorrow on September 15th and run through the 16th here at the State Department in Washington, D.C.

New guidelines show NOAA's commitment to address effects of ocean noise on marine mammals.

US National Oceanic and Atmospheric Administration (NOAA) [Online].

13 September 2016. Available from: <http://www.noaa.gov/media-release/new-guidelines-show-noaa-s-commitment-to-address-effects-of-ocean-noise-on-marine> Today, NOAA released its final Ocean Noise Strategy Roadmap, which will guide the agency in more effectively and comprehensively managing ocean noise effects on marine life during the next decade.

Commissioner Vella announces EU to host global 'Our Ocean' 2017 conference in Malta.

European Commission [Online]. 16 September 2016. Available from:

http://ec.europa.eu/information_society/newsroom/cf/mare/itemlongdetail.cfm?item_id=34469&ubweb=342&lang=en The conference, hosted by US Secretary of State John Kerry, was addressed by US President Barack Obama.

2016 ties with 2007 for second lowest Arctic sea ice minimum.

National Snow & Ice Data Center (NSIDC) [Online]. 15 September 2016. Available from:

<http://nsidc.org/news/newsroom/2016-ties-2007-second-lowest-arctic-sea-ice-minimum>

The Arctic's ice cover appears to have reached its minimum extent on September 10, 2016, according to scientists at the National Snow and Ice Data Center (NSIDC).

Lives in the balance: climate change and the Marshall Islands. By Oliver Milman and Mae Ryan.

The Guardian [Online]. 15 September 2016. Available from:

<https://www.theguardian.com/environment/2016/sep/15/marshall-islands-climate-change-springdale-arkansas>

The numerous atolls that make up the island nation are now regularly swamped due to sea level rise.

A perfect storm: climate change and overfishing. By Jared Ferrie.

IRIN [Online]. 19 September 2016. Available from:

<https://www.irinnews.org/feature/2016/09/19/perfect-storm-climate-change-and-overfishing>

Fish stocks all over the world are on the verge of collapse due to the twin effects of climate change and overfishing, and scientists warn this could lead to widespread malnutrition throughout poorer countries in tropical climates.

UN: 20 more countries ready to ratify Paris climate deal. By Ed King.

Climate Home [Online]. 16 September 2016. Available from:

<http://www.climatechangenews.com/2016/09/16/un-20-more-countries-ready-to-ratify-paris-climate-deal/>

The UN secretary general's chief climate adviser Selwin Hart says 20 countries plan to ratify the Paris climate deal in New York on 21 September, raising hopes the treaty could go live this year.

Three Nations create giant reserves for ocean life (Ecuador, Costa Rica, and Colombia). By Jane Braxton Little. *National Geographic* [Online]. 9 September 2016. Available from: <http://news.nationalgeographic.com/2016/09/new-marine-highways-announced/> Meeting in the Galápagos, the presidents of Ecuador, Costa Rica, and Colombia announce historic protections to safeguard sea turtles, sharks, and a variety of other creatures off their coasts.

Blowing up boats sets Indonesia's scarce fish swimming again. By Nick Wadhams and Bill Faries. *Bloomberg* [Online]. 18 September 2016. Available from: <http://www.bloomberg.com/news/articles/2016-09-18/blowing-up-boats-sets-indonesia-s-scarce-fish-swimming-again> Indonesia's crackdown on illegal fishing -- with the public spectacle of seized boats blown to smithereens -- may have sparked tensions with China, but the country's fisheries minister says it has led to a significant drop in overfishing.

EU's 'imperfect' emissions trading system still outperforms draft UN aviation deal – report. *Transport & Environment* [Online]. 20 September 2016. Available from: <http://goo.gl/IGjyvg> Despite being in need of reform, the EU's aviation ETS is functioning, is being complied with, and has the potential to deliver real emissions reductions, a new analysis shows.

Call for CO2 penalties made at Arctic Congress. *Maritime Executive* [Online]. 20 September 2016. Available from: <http://www.maritime-executive.com/article/call-for-co2-penalties-made-at-arctic-congress> Last week, St Petersburg University hosted the first-ever University of the Arctic (UArctic) Congress with a specific focus on current issues such as how to reduce emissions and why extracting oil, rather than natural gas, poses a greater threat to the Arctic.

Tackling corruption will deal a lethal blow to the illegal wildlife trade. By Yury Fedotov, Executive Director, UNODC and John E. Scanlon, Secretary General, CITES. *The Guardian* [Online]. 19 September 2016. Available from: <https://www.theguardian.com/environment/2016/sep/19/tackling-corruption-will-deal-a-lethal-blow-to-the-illegal-wildlife-trade> Talk of prohibiting, preventing and countering corruption must take centre stage when signatories to the Cites treaty on regulating the international trade in wildlife meet in Johannesburg this weekend.

Europe risks exclusion from key UN climate body. By Georgi Gotev. *EurActiv* [Online]. 23 September 2016. Available from: <http://www.euractiv.com/section/climate-environment/news/europe-risks-exclusion-from-key-un-climate-body/> The EU was until now seen – and often decried at home – for being the undisputed leader in the global push to address climate change.

Controlling the spread of non-native species. *IOM Today (Isle of Man)* [Online]. 22 September 2016. Available from: <http://www.iomtoday.co.im/news/columns/controlling-the-spread-of-non-native-species-1-8135681> The Manx Wildlife Trust does a great job in, among other things, teaching people about invasive non-native species (INNS), especially those in our seas.

BP in the Bight: why the planned oil spill response is too slow to protect the coast. By Andrew Hopkins. *The Conversation* [Online]. 23 September 2016. Available from: <https://theconversation.com/bp-in-the-bight-why-the-planned-oil-spill-response-is-too-slow-to-protect-the-coast-65945> Australia's offshore petroleum industry regulator is set to rule next week whether to grant oil giant BP's application to drill in the Great Australian Bight.

Arctic Climate Change Revealed in a Luxury Cruise and Haunting Wreck.

By Andrew C. Revkin. *New York Times* [Online]. 23 September 2016. Available from: <http://dotearth.blogs.nytimes.com/2016/09/23/arctic-change-revealed-in-a-luxury-cruise-and-a-haunting-wreck/> In a short piece for the Opinion section this weekend, I explore how two maritime milestones this month encapsulate the profound changes that are under way in the Arctic — both climatic and cultural.

Small island States threatened by rising seas call at UN General Assembly for urgent mitigation.

UN News Centre [Online]. 21 September 2016. Available from: <http://www.un.org/apps/news/story.asp?NewsId=55015> Small island Pacific States threatened with disappearing under the flood of rising oceans took the podium at the General Assembly today to warn that the United Nations remains their last best hope as climate change outpaces efforts to counter it.

Climate and Development Head the Arctic Council's Agenda. By Hannah Hoag.

High North News (Norway) [Online]. 27 September 2016. Available from: <http://www.highnorthnews.com/climate-and-development-head-the-arctic-councils-agenda/> On September 19, 1996, eight days after the Arctic sea ice retreated to its lowest summertime level that year at 7.19 million square km (2.78 million square miles), representatives of the Arctic states signed the Ottawa Declaration that established the Arctic Council.


Agility joins Maersk Line Carbon Pact initiative to cut CO2 emissions.

Maersk [Online]. 26 September 2016. Available from: <http://www.maerskline.com/bn-bd/countries/int/news/news-articles/2016/09/agility-joins-maersk-line-carbon-pact-initiative-to-cut-co2-emissions> The agreement is part of Maersk's Carbon Pact Challenge, an initiative under which Maersk Line and its key customers work together to drive down harmful emissions and reduce the environmental impact of container shipping.

Arctic Could See Twice the Temperature Rise.

Maritime Executive [Online]. 27 September 2016. Available from: <http://www.maritime-executive.com/article/arctic-could-see-twice-the-temperature-rise> An international group of Arctic experts are urging science ministers attending the first White House Arctic Science Ministerial meeting in Washington, DC, on Wednesday to take immediate steps to prepare for a vastly different Arctic ecosystem in the next 20 to 30 years.

A 5°C Arctic in a 2°C World: Challenges and recommendations for immediate action.

WWF [Online]. 28 September 2016. Available from: <http://goo.gl/bs47Mj>  The Columbia Climate Center, in partnership with World Wildlife Fund, Woods Hole Research Center, and Arctic 21, held a workshop titled A 5°C Arctic in a 2°C World on July 20 and 21, 2016.

Deepwater Horizon oil spill caused widespread marsh erosion, study shows.

Duke University (USA) [Online]. 27 September 2016. Available from: <https://nicholas.duke.edu/about/news/deepwater-horizon-oil-spill-caused-widespread-marsh-erosion-study-shows> The *Deepwater Horizon* oil spill six years ago caused widespread marsh erosion that may be permanent in some places, according to a new Duke University-led analysis of 270 miles of the Louisiana, Mississippi and Alabama coasts.

Paris climate deal nears ratification threshold, other meetings ahead.

International Centre for Trade and Sustainable Development (ICTSD) [Online]. 28 September 2016. Available from: <http://www.ictsd.org/bridges-news/biores/news/paris-climate-deal-nears-ratification-threshold-other-meetings-ahead> The new Paris Agreement on climate change – secured last December in the French capital after which it is named – has been ratified by 61 nations, crossing the first of two thresholds required for it to come into effect.

Unprecedented Arctic change demands action. *World Meteorological Organization (WMO)* [Online]. 28 September 2016. Available from: <http://public.wmo.int/en/media/press-release/unprecedented-arctic-change-demands-action> Dramatic and unprecedented warming in the Arctic is driving sea level rise, affecting weather patterns around the world and may trigger even more changes in the climate system.

United States Hosts First-Ever Arctic Science Ministerial to Advance International Research Efforts. *The White House* [Online]. 28 September 2016. Available from: <https://www.whitehouse.gov/the-press-office/2016/09/28/fact-sheet-united-states-hosts-first-ever-arctic-science-ministerial> The Arctic environment is changing at an unprecedented pace, posing threats to livelihoods and ecosystems.

ENVIRONMENTAL POLLUTION

Plunge in vessel sulphur emissions in the Baltic Sea. *Finnish Transport Safety Agency (TRAFI)* [Online]. 5 September 2016. Available from: http://www.trafi.fi/en/about_trafi/news/4318/plunge_in_vessel_sulphur_emissions_in_the_baltic_sea The introduction of stricter regulations on the sulphur content of fuel used on the Baltic Sea since 1 January 2015 has yielded results.


They are smaller than the eye can see - but are microbeads damaging us and the planet? *By James Wild. Southern Daily Echo (UK)* [Online]. 4 September 2016. Available from: http://www.dailyecho.co.uk/news/14721640.They_are_smaller_than_the_eye_can_see_but_a_re_microbeads_damaging_us_and_the_planet Yet the damage done to the planet's marine life by minute plastic beads called microbeads is becoming more and more obvious, according to scientists in Hampshire.

Oil spill from BP's proposed Great Australian Bight project would be 'catastrophic stuff'. *By Alex Mann. ABC (Australia)* [Online]. 16 September 2016. Available from: <http://www.abc.net.au/news/2016-09-16/bp%27s-oil-spill-modelling-shows-damage-to-great-australian-bight/7851586> Any oil spill from BP's proposed project in the Great Australian Bight would almost certainly hit some of South Australia's biggest tourism and aquaculture hotspots, research has shown.

Sizing up the microscopic: research voyage sets sail to gauge the magnitude of the plastic problem. *Plymouth Marine Laboratory (PML)* [Online]. 19 September 2016. Available from: http://www.pml.ac.uk/News/Sizing_up_the_microscopic The UK government's plan to ban microbeads used in cosmetic and cleaning products next year comes off the back of years of research by UK scientists.

Norway and Turkey vote against ban on dumping mining waste at sea. *By Tone Sutterud and Elisabeth Ulven. The Guardian* [Online]. 14 September 2016. Available from: <https://www.theguardian.com/environment/2016/sep/14/norway-and-turkey-vote-against-ban-on-dumping-mining-waste-at-sea> All of the other 51 countries voted in favour of an international ban, including big mining nations China and Russia.


Total and Ecoslops partner to develop a maritime oil residue processing plant near Marseille. *ECOSLOPS* [Online]. 21 September 2016. Available from:

http://www.ecoslops.com/images/pdfs/Total_la_mede_20160921_eng.pdf  Ecoslops, an innovative technology company that upgrades ship-generated hydrocarbon residues, or "slops", into new fuels and light bitumen, has today announced the signing of a memorandum of understanding with Total, to form a partnership to set up a maritime transport induced oil residue waste-processing unit in La Mède, near Marseille.

HEALTH

Pollution kills as many people as cancer does, UN's new environment chief warns.


UN News Centre [Online]. 30 August 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsId=54796>  The new head of the United Nations environment agency today laid out key issues facing the international community on environmental issues, including pollution as well as the linkages among the environment, wars and conflicts, and migration.

Health Focus: Mental Health. *UK P&I Club* [Online]. 26 August 2016. Available from:

<http://www.ukpandi.com/knowledge/article/health-focus-mental-health-135809/> The PEME team together with their accredited clinics provide advice and information on a range of illnesses affecting crew.

Citing geographic spread, UN emergency committee says Zika remains 'international public health emergency'. *UN News Centre* [Online]. 2 September 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsId=54832>  Following a meeting of its Emergency Committee on Zika yesterday, the United Nations health agency said today that the infectious disease, and its associated congenital and other neurological disorders, continues to be an international public health emergency due to continuing geographic expansion and considerable gaps in understanding of the virus and its consequences.

Human Rights at Sea collaborates to produce guidance document on caring for seafarer mental welfare. *Human Rights at Sea (HRAS)* [Online]. 12 September 2016. Available from:

<https://www.humanrightsatsea.org/human-rights-at-sea-collaborative-guidance-on-caring-for-seafarer-mental-welfare/> Authored by Professor Neil Greenberg, Managing Director of March on Stress and Professor of Defence Mental Health at King's College London on behalf of Human Rights at Sea, the new publication, "Managing Traumatic Stress – Guidance for Maritime Organisations" aims to provide a top-level guidance to senior management to help improve the mental health of seafarers by providing education and evidence-based approaches within the maritime industry.

ISWAN to hold Seminar on Seafarers' Health. *International Seafarers' Welfare and Assistance Network (ISWAN)* [Online]. 20 September 2016. Available from:

<http://seafarerswelfare.org/news-and-media/latest-news/iswan-to-hold-seminar-on-seafarers-health> The International Seafarers' Welfare and Assistance Network (ISWAN) is holding a seminar on seafarers' health, in collaboration with the Danish Seafarers' Service, to look at the most prevalent health issues affecting seafarers, and to explore how organisations can work together to reduce ill health on board.

WHO releases country estimates on air pollution exposure and health impact.

World Health Organization (WHO) [Online]. 27 September 2016. Available from: <http://www.who.int/mediacentre/news/releases/2016/air-pollution-estimates/en/> A new WHO air quality model confirms that 92% of the world's population lives in places where air quality levels exceed WHO limits. [Infographics: BreatheLife campaign](#) [WHO Global Urban Ambient Air Pollution Database \(update 2016\)](#)

HEALTH AND SAFETY

Marlink Introduces Telemedicine Service. By Eric Haun. *MarineLink.Com* [Online].

6 September 2016. Available from: <http://www.marinelink.com/news/telemedicine-introduces415018.aspx> Marlink has launched XChange Telemed, a new telemedicine service designed to improve the health and safety of crew and passengers at sea, while meeting new ILO/MLC and IMO/STCW labor regulations for health and medical treatment on board.

Landmark study points to way ahead on container port health and safety.

International Transport Workers' Federation [Online]. 9 September 2016. Available from: <http://www.itfglobal.org/en/news-events/press-releases/2016/september/landmark-study-points-to-way-ahead-on-container-port-health-and-safety/> An independent study being published today is hoped to pave the way for significant improvements in the health, safety and welfare of workers in the global container port industry.

Experiences of arrangements for health, safety and welfare in the global container terminal industry (2016). By David Walters and Emma Wadsworth, Cardiff University for IOSH and ITF. *Institution of Occupational Safety and Health (IOSH)* [Online]. September 2016. Available from: <http://www.iosh.co.uk/containerterminals> This report discusses the health and safety arrangements in container terminals operated by national and global logistics companies in several countries.

New regulations drive telemedicine on board. *Tanker Operator* [Online]. 23 September 2016.

Available from: <http://www.tankeroperator.com/news/new-regulations-drive-telemedicine-on-board/7995.aspx> Marlink has launched XChange Telemed, a new telemedicine service designed to improve the health and safety of crew at sea, while meeting new ILO/MLC and IMO/STCW labour regulations for health and medical treatment on board.

Working over the side is a high risk activity. *Safety 4 Sea* [Online]. 27 September 2016.

Available from: <http://www.safety4sea.com/amsa-working-over-the-side-is-a-high-risk-activity/> AMSA has published the fourth issue of its Maritime Safety Awareness Bulletin entitled "Shaping Shipping for People", which focuses on the safety issues and risks associated with working over the side.

IMO

Global treaty set to halt invasive species ravaging our oceans. By Andy Coghlan.

New Scientist [Online]. 9 September 2016. Available from:

<https://www.newscientist.com/article/2105414-global-treaty-set-to-halt-invasive-species-ravaging-our-oceans/> At last, the game may be up for marine invaders that hitch free rides across the globe in ships' ballast water.

ACO Marine: IMO must strengthen wastewater management enforcement.

By Sam Chambers. *Splash 24/7* [Online]. 15 September 2016. Available from:

<http://splash247.com/aco-marine-imo-must-strengthen-wastewater-management-enforcement/>

Mark Beavis, managing director at wastewater management provider ACO Marine, is adamant IMO needs to step up to enforce greater enforcement of current anti-pollution legislation.

Island prepares for 'critical' audit. By Simon Jones. *Royal Gazette (Bermuda)* [Online].

14 September 2016. Available from:

<http://www.royalgazette.com/news/article/20160914/island-prepares-for-critical-audit>

Preparations are under way for a crucial audit of the island's maritime infrastructure by the International Maritime Organisation.

Segolene Royal calls for UN action on shipping emissions. By Megan Darby.

Climate Home [Online]. 16 September 2016. Available from:

<http://www.climatechangenews.com/2016/09/16/segolene-royal-calls-for-un-action-on-shipping-emissions/> France's environment minister urges members of the International Maritime Organization to support climate goals.

PPA celebrates maritime week. Manila Standard Today [Online]. 21 September 2016.

Available from: <http://manilastandardtoday.com/news/metro/216693/ppa-celebrates-maritime-week.html> This year's theme, "Shipping: Indispensable to the World," was conceived by the International Maritime Organization (IMO), the maritime policymaking body of the United Nations.

LNG industry eagerly awaits IMO decision. By Annemarie Botzki. *Natural Gas Daily* [Online]. 21 September 2016. Available from:

<http://interfaxenergy.com/gasdaily/article/22044/Lng-industry-eagerly-awaits-imo-decision>

The International Maritime Organization (IMO) will decide in October whether to bring forward the implementation date for stricter sulphur emission limits for the global shipping industry.

Park meets with IMO chief. By Song Sang-ho. *Yonhap News Agency (South Korea)* [Online].

23 September 2016. Available from:

<http://english.yonhapnews.co.kr/national/2016/09/23/0301000000AEN20160923005251315.html>

President Park Geun-hye on Friday met with Lim Ki-tack, the South Korean chief of a U.N. maritime body, to discuss ways to strengthen bilateral cooperation on an array of issues, including North Korea's provocations that destabilize maritime security.

Shipping: Indispensable To The World. By Peter Brady, Director General, Maritime Authority of Jamaica. *The Gleaner (Jamaica)* [Online]. 27 September 2016. Available from:

<http://jamaica-gleaner.com/article/shipping/20160927/shipping-indispensable-world>

Shipping affects us all and this year's theme, 'Shipping: indispensable to the world', chosen by the United Nations specialised agency responsible for international shipping the International Maritime Organisation (IMO) - brings into sharp focus the vital importance of shipping - to economies and the peoples of the world.

LAW AND POLICY

Conciliation between The Democratic Republic of Timor-Leste and The Commonwealth of Australia. *Permanent Court of Arbitration* [Online]. 31 August 2016. Available from:

<http://goo.gl/i60fKT> [VIDEO](#) 

WOC Ensuring Industry Engagement In Major New Law Of The Sea Amendment.

Hellenic Shipping News [Online]. 30 August 2016. Available from:

<http://www.hellenicshippingnews.com/woc-ensuring-industry-engagement-in-major-new-law-of-the-sea-amendment/> Today the 2nd Preparatory Committee meetings (PrepCom2) get underway on the U.N. negotiations to expand the Convention on the Law of the Sea (UNCLOS) to include a new legally binding instrument on the conservation and sustainable use of marine life in areas beyond national jurisdiction (BBNJ).

Draft law toughens fines for maritime pollution. By Feng Shuang. *China News Service*

(ECNS) [Online]. 30 August 2016. Available from: <http://www.ecns.cn/2016/08-30/224422.shtml>

In a draft amendment to the Marine Environment Protection Law, submitted on Monday to the Standing Committee of the National People's Congress for first reading, the punitive cap of 300,000 yuan (\$44,800) in fines would be eliminated.

Recognition of foreign judicial ship sales. *Hellenic Shipping News* [Online]. 30 August 2016.

Available from: <http://www.hellenicshippingnews.com/recognition-of-foreign-judicial-ship-sales/>

The draft International Convention on Foreign Judicial Sales of Ships and their Recognition (the so-called 'Beijing Draft') is being developed and Comité Maritime International intends to submit it to the International Maritime Organisation for consideration as an international maritime convention.

Cruise ship raid nets 95kg cocaine and three arrests in Sydney. *Government of Australia*

[Online]. 29 August 2016. Available from: <http://newsroom.border.gov.au/releases/cruise-ship-raid-nets-95kg-cocaine-and-three-arrests-in-sydney>

A joint operation between the Australian Border Force (ABF) and the Australian Federal Police (AFP), in cooperation with the US Department of Homeland Security Investigations (HSI), New Zealand Customs Service (NZCS) and the Canada Border Services Agency (CBSA) has resulted in the seizure of approximately 95 kilograms of cocaine from a Cruise Ship in Sydney and the arrest of three Canadian nationals on drug importation charges.

As conference wraps up, Japan, African leaders vow to fight terrorism, stress rules-based maritime order. *Japan Times* [Online]. 29 August 2016. Available from:

<http://goo.gl/OeCKVP> Japanese and African leaders pledged to fight terrorism and emphasized the importance of rules-based maritime order as they wrapped up a Japan-led international conference on the continent's development.

West Bengal frames its first draft maritime policy. By Indronil Roychowdhry.

Financial Express (India) [Online]. 26 August 2016. Available from:

<http://www.financialexpress.com/india-news/west-bengal-frames-its-first-draft-maritime-policy/358881/> West Bengal has framed a draft maritime policy following formation of a maritime board, which it didn't have so long though being a maritime state.

Commentary: China-Vietnam maritime cooperation sets example for handling South China Sea disputes. *Xinhuanet (China)* [Online]. 26 August 2016. Available from:

http://news.xinhuanet.com/english/2016-08/26/c_135636919.htm Maritime cooperation between China and Vietnam has set an example for handling South China Sea disputes.

China ECA Enforcement: New Advice Received. *North of England P&I Association* [Online]. 31 August 2016. Available from: <http://www.nepia.com/news/industry-news/china-eca-enforcement-new-advice-received/> Intertanko approached the Chinese MSA following the issue of "Notice of the Maritime Safety Administration of the People's Republic of China on Strengthening the Supervision and Administration on Emission Control Areas for Vessels" in January 2016.

UN Negotiations Focus on What Lies Beneath the High Seas. By Lyndal Rowlands.

Inter Press Service (IPS) [Online]. 30 August 2016. Available from:

<http://www.ipsnews.net/2016/08/un-negotiations-focus-on-what-lies-beneath-the-high-seas/>

The high seas – oceans which fall beyond the jurisdiction of any country – make up about two thirds of the world's ocean and half of the total surface of planet earth.

No girls allowed? Hong Kong-based shipping firm backtracks on 'no interviews for females' policy. *Hellenic Shipping News* [Online]. 29 August 2016. Available from:

<http://www.hellenicshippingnews.com/no-girls-allowed-hong-kong-based-shipping-firm-backtracks-on-no-interviews-for-females-policy/>

A female deck officer, Sophia Walker, was shut out of a chance for a job interview with the Wallem Ship Management in July, a Hong Kong-based international shipping company,

IBIA: China's Shenzhen to Introduce Low Sulphur Rule from October.

World Maritime News [Online]. 1 September 2016. Available from:

<http://worldmaritimeweb.com/archives/200943/ibia-chinas-shenzhen-to-introduce-low-sulphur-rule-from-october/>

China's Port of Shenzhen is planning to introduce a requirement for ships to use fuels with no more than 0.50% while at berth from October 1, 2016, ahead of other key ports in the Pearl River Delta, which are due to implement the requirement on January 1, 2017.

The race for vast remote 'marine protected areas' may be a diversion. *The Conversation*

[Online]. 1 September 2016. Available from: <http://theconversation.com/the-race-for-vast-remote-marine-protected-areas-may-be-a-diversion-64705>

The seas around Hawaii are set to become the world's largest marine protected area, US president Barack Obama has announced.

Committed to blue economy vision; to create 10 million jobs: Nitin Gadkari.

Economic Times (India) [Online]. 1 September 2016. Available from: <http://goo.gl/1nMUlO>

In line with Prime Minister Narendra Modi's vision of "Blue Economy", country's ambitious Sagarmala project has identified 173 projects entailing huge investment of \$60 billion (around Rs 4 lakh crore) by 2020, Union Minister Nitin Gadkari said today.

President Uhuru declares war on illegal fishing vessels. By Benard Sanga.

Standard Digital Kenya [Online]. 2 September 2016. Available from:

<http://www.standardmedia.co.ke/article/2000214328>

The President said yesterday foreign trawlers and ships continue to operate along Kenya's 200 nautical miles Economic Exclusive Zone (EEZ) and it was time to drive them out. The illegal fishing robs the country Sh10 billion annually.

Hawaii and other big marine protected areas 'could work against conservation'.

By John Vidal. *The Guardian* [Online]. 2 September 2016. Available from:

<https://www.theguardian.com/environment/2016/sep/02/hawaii-and-other-big-marine-protected-areas-could-work-against-conservation>

British and US marine scientists say that the race to designate ever-bigger marine national parks in remote parts of the world could work against conservation.

Barrier Reef spill: Commonwealth seeks \$120m in damages over *Shen Neng One* grounding. By Sharnie Kim. *ABC (Australia)* [Online]. 6 September 2016. Available from: <http://www.abc.net.au/news/2016-09-06/barrier-reef-spill-shen-neng-one-federal-court-hearing/7817182> The Federal Court has heard up to one-and-a-half tonnes of toxic paint may have scraped off a grounded Chinese coal carrier into the Great Barrier Reef off the central Queensland coast in 2010.

Maritime doctrine: Draft policy in final stages of approval. *Express Tribune (Pakistan)* [Online]. 6 September 2016. Available from: <http://tribune.com.pk/story/1176634/maritime-doctrine-draft-policy-final-stages-approval/> A defence expert has said that Pakistan's draft maritime doctrine, which is in the final stages of approval, focuses on protecting country's security interests in view of growing uncertainty and political instability in the Indian Ocean Region (IOR).

Philippines worried about more than usual Chinese vessels near disputed island in South China Sea. By Ananya Roy. *International Business Times(UK)* [Online]. 5 September 2016. Available from: <http://www.ibtimes.co.uk/more-usual-chinese-vessels-near-disputed-island-south-china-sea-worries-philippines-1579640> 🇵🇭 An alleged rise in the number of Chinese vessels near the disputed Scarborough Shoal in the South China Sea has flared up tensions in the Philippines, which strongly disputes China's claims over the waters.

European Union tackling illegal fishing in Western Africa by supporting regional cooperation. *European Commission* [Online]. 5 September 2016. Available from: https://ec.europa.eu/europeaid/news-and-events/european-union-tackling-illegal-fishing-western-africa-supporting-regional_en A four-day campaign co-funded by the EU against illegal fishing off the West Africa Coast has shown concrete results in tackling illegal fishing in Western Africa.

Shippers Council: Restructuring For Effective Service Delivery. By Babalola Yusuf. *Leadership (Nigeria)* [Online]. 7 September 2016. Available from: <http://www.leadership.ng/business/549505/shippers-council-restructuring-for-effective-service-delivery> The Nigerian Shippers' Council has demonstrated strong capability in functioning as an economic regulator of the nation's ports.

UN High Seas Negotiations Critical to Conserve Biodiversity. By Lauren Kubiak. *Natural Resources Defense Council (NRDC)* [Online]. 7 September 2016. Available from: <https://www.nrdc.org/experts/lauren-kubiak/un-high-seas-negotiations-critical-conserve-biodiversity> The Olympics wrapped up several weeks ago, but in eastern Manhattan in New York, there are still hundreds of countries gathered.

Great Barrier Reef spill: Owners of *Shen Neng One* tell court remediation 'not necessary'. By Sharnie Kim. *ABC (Australia)* [Online]. 7 September 2016. Available from: <http://www.abc.net.au/news/2016-09-07/remediation-not-necessary-ship-owner-shen-neng-one-tells-court/7824210> The owner of Chinese coal carrier *Shen Neng One* that ran aground in the Great Barrier Reef Marine Park in 2010 has told a court remediation is not necessary.

Urgent Need for Governments to Act on Ballast Water Chaos. *International Chamber of Shipping (ICS)* [Online]. 8 September 2016. Available from: <http://www.ics-shipping.org/news/press-releases/2016/09/08/urgent-need-for-governments-to-act-on-ballast-water-chaos> The International Chamber of Shipping (ICS) notes Finland's significant announcement that it has acceded to the IMO Ballast Water Management Convention.

Indonesia Ratifies Maritime Treaty. By Prashanth Parameswaran. *The Diplomat* [Online]. 9 September 2016. Available from: <http://thediplomat.com/2016/09/indonesia-ratifies-maritime-treaty/> The House of Representatives unanimously approved the ratification of the 2006 International Labor Organization (ILO) Maritime Labor Convention (MLC) on Thursday, a decade after it was first signed and three years after it came into effect.

IMO should take over ILO's seafarer role: Clay Maitland. By Sam Chambers. *Splash 24/7* [Online]. 8 September 2016. Available from: <http://splash247.com/imo-should-take-over-ilos-seafarer-role-clay-maitland/> The International Maritime Organization should have a seafarers standing committee that meets at least twice a year, argued Clay Maitland, the head of International Registries, Inc, which runs the Marshall Islands flag, the world's third largest registry.

Environment MEPs support Paris agreement ratification, push for entry into force. *European Parliament* [Online]. 8 September 2016. Available from: <http://goo.gl/8U1JY9> The European Parliament should give its consent to the ratification of the 2015 Paris agreement on climate change, recommended Environment Committee MEPs on Thursday.

Thames ship discount for environmental high performers. *Port of London Authority (PLA)* [Online]. 13 September 2016. Available from: <http://www.pla.co.uk/Thames-ship-discount-for-environmental-high-performers> The Port of London is set to become the first UK port to recognise ship owners committed to progressively improving their environmental performance, as part of a wider approach to reduce the port's environmental impact.

"Sleeping" German migrant rescuers due to be released. *Libya Herald* [Online]. 11 September 2016. Available from: <https://www.libyaherald.com/2016/09/11/sleeping-german-migrant-rescuers-due-to-be-released/> Two arrested German members of the Sea-Eye migrant rescue charity whose speedboat entered Libyan waters on Friday are due to be released from Libyan custody.

Jokowi's maritime highway to be rerouted. By Farida Susanty. *Jakarta Post* [Online]. 9 September 2016. Available from: <http://www.thejakartapost.com/news/2016/09/09/jokowis-maritime-highway--to-be-rerouted.html> The maritime highway program — a flagship of President Joko "Jokowi" Widodo's administration — will undergo a revision as the government seeks to increase efficiency and reduce competition with the private sector.

Marine biodiversity in areas beyond national jurisdiction: international community marks a step forward. *European Commission* [Online]. 13 September 2016. Available from: http://ec.europa.eu/newsroom/mare/itemlongdetail.cfm?item_id=34299&lang=en Late last Friday, after two weeks of intense but constructive negotiations, the United Nations Preparatory Committee for a new legally-binding instrument under the UN Convention on the Law of the Sea (UNCLOS) for the conservation and sustainable use of marine biodiversity in areas beyond national jurisdiction closed its session.

Government orders navy to stop illegal foreign fishermen. By Julius Osahon Yenagoa. *Guardian (Nigeria)* [Online]. 13 September 2016. Available from: <http://guardian.ng/news/government-orders-navy-to-stop-illegal-foreign-fishermen/> The Federal Government has ordered the Nigerian Navy to stop foreign trawlers that fish in the nation's territorial waters illegally.

Whose job is it to protect the Arctic? By Elizabeth Kirk, Professor, International Environmental Law, Nottingham Trent University. *The Conversation* [Online].

12 September 2016. Available from: <https://theconversation.com/whose-job-is-it-to-protect-the-arctic-64778> In August 2016 the 13-deck, 1,000-passenger *Crystal Serenity* set sail from Alaska to become the first cruise liner to attempt the Arctic's fabled "north-west passage" that runs across the top of North America from the Pacific to the Atlantic.

World Conservation Congress Calls for Protecting at Least 30 Percent of the Ocean, Including the High Seas. By Directors Seth Horstmeyer and Elizabeth Wilson.

Pew Charitable Trusts [Online]. 13 September 2016. Available from: <http://www.pewtrusts.org/en/research-and-analysis/analysis/2016/09/13/wcc-calls-for-protecting-at-least-30-percent-of-the-ocean-including-the-high-seas> In a major win for marine life, members of the International Union for Conservation of Nature (IUCN) World Conservation Congress voted to support increasing the portion of the ocean that is highly protected to at least 30 percent to help effectively conserve biodiversity.

Agreement with Oman Demarcates Iran's Longest Maritime Boundary: Deputy FM.

Tasnim News Agency (Iran) [Online]. 13 September 2016. Available from: <http://www.tasnimnews.com/en/news/2016/09/13/1185794/agreement-with-oman-demarcates-iran-s-longest-maritime-boundary-deputy-fm> Iran and Oman have exchanged papers related to an agreement signed last year that maps the exact location of their common sea borders, an Iranian deputy foreign minister said.

Vietnam to extradite Indonesian 'pirates' to Malaysia. *The Star (Malaysia)* [Online].

12 September 2016. Available from: <http://www.thestar.com.my/news/nation/2016/09/12/vietnam-to-extradite-indonesian-pirates-to-malaysia/> A Vietnamese court on Monday agreed to hand over to Malaysia eight Indonesians who were arrested last year on suspicion of hijacking a Malaysian-flagged oil tanker, according to reports.

European Border and Coast Guard: final approval. *Council of the European Union* [Online].

14 September 2016. Available from: <http://www.consilium.europa.eu/en/press/press-releases/2016/09/14-european-border-coast-guard/> The adoption of the regulation, which the Council approved by written procedure, paves the way for the Border and Coast Guard to begin its activities in mid-October.

Pressure grows on IMO and EU to align ship CO2 emissions-measuring systems.

By Mike Corkhill. *Container Shipping & Trade* [Online]. 15 September 2016. Available from:

http://www.containerst.com/news/view,pressure-grows-on-imo-and-eu-to-align-ship-co2-emissionsmeasuring-systems_44576.htm Both IMO and the European Union (EU) have embarked on such rulemakings and, once again, the two entities are at loggerheads as to the finer points of such provisions, their pace of implementation and, more fundamentally, the duplication of effort.

Combatting Climate Change and Protecting Our Ocean by Creating the First Marine National Monument in the Atlantic Ocean. *The White House* [Online]. 15 September 2016.

Available from: <https://www.whitehouse.gov/the-press-office/2016/09/15/fact-sheet-president-obama-continue-global-leadership-combatting-climate> Today, President Obama will designate the first marine national monument in the Atlantic Ocean, protecting fragile deep-sea ecosystems off the coast of New England as the Northeast Canyons and Seamounts Marine National Monument.

Houthi authorities seize tankers in Yemen port. *Gulf Business* [Online]. 15 September 2016. Available from: <http://gulfbusiness.com/houthi-authorities-seize-tankers-yemen-port/> Two 74,000 tonne ships, the *Chao Hu* and the *Hong Ze Hu*, have been denied permission to leave Hodeida port

UK set to protect four million square kilometres of ocean. *UK Foreign & Commonwealth Office* [Online]. 15 September 2016. Available from: <https://www.gov.uk/government/news/uk-set-to-protect-four-million-square-kilometres-of-ocean> Foreign Office Minister Sir Alan Duncan will today announce plans to double the area of ocean under marine protection around the UK Overseas Territories to around four million square kilometres – greater than the landmass of India.

Africa leads in the pursuit of a sustainable ocean economy. By Jamal Saghir. *World Bank* [Online]. 15 September 2016. Available from: <http://blogs.worldbank.org/voices/africa-leads-pursuit-sustainable-ocean-economy> African coastal countries and Small Island Developing States (SIDS) rely heavily on fishing and related employment, yet these livelihoods are all under threat due to declining fish stocks.

Safe Ocean Network. *US Department of State* [Online]. 15 September 2016. Available from: <http://www.state.gov/r/pa/prs/ps/2016/09/261988.htm> The Safe Ocean Network, an initiative U.S. Secretary of State John Kerry first announced at the second Our Ocean Conference in 2015, seeks to build a global community to strengthen all aspects of the fight against illegal fishing including detection, enforcement, and prosecution.

The Arctic Council: A Forum for Peace and Cooperation. *Arctic Journal* [Online]. 19 September 2016. Available from: <http://www.thearcticjournal.com/press-releases/2573/arctic-council-forum-peace-and-cooperation> A joint statement from Ministers of the Arctic States on the occasion of the Arctic Council's 20th anniversary

Regulatory Complexity and Ballast Water Management. By Peter R. Knight, Esq and Tavo True-Alcalá of Robson & Cole, LLP. *Maritime Executive* [Online]. 16 September 2016. Available from: <http://www.maritime-executive.com/editorials/regulatory-complexity-and-ballast-water-management> On September 8, Finland became the fifty-second country to sign on to the International Maritime Organization (IMO) International Convention for the Control and Management of Ships' Ballast Water and Sediments, pushing the Convention over the 35 percent threshold required for ratification and starting the yearlong countdown on its entry into force on September 8, 2017.

Our Ocean 2016 Commitments. *US Department of State* [Online]. 16 September 2016. Available from: <http://www.state.gov/r/pa/prs/ps/2016/09/262042.htm> Participants in the third Our Ocean conference, held September 15-16 in Washington, D.C., announced over 136 new initiatives on marine conservation and protection valued at more than \$5.24 billion, as well as new commitments on the protection of almost four million square kilometers (over 1.5 million square miles) of the ocean.

China's One Belt One Road initiative backs shipping growth in longer term. By Lee Hong Liang. *Seatrade Maritime News* [Online]. 20 September 2016. Available from: <http://www.seatrade-maritime.com/news/asia/china%E2%80%99s-one-belt-one-road-initiative-backs-shipping-growth-in-longer-term.html> The overall sluggish shipping market of today can look forward to the One Belt One Road (OBOR) initiative as a long term catalyst for growth, industry players from the financial sector have shared.

UN court starts hearing Kenya-Somalia sea border dispute. By Kiarie Njoroge.

East African (Kenya) [Online]. 19 September 2016. Available from:

<http://www.theeastafrican.co.ke/news/Court-to-start-hearing-Kenya-Somalia-sea-border-dispute/2558-3386852-vd10ye/index.html>

A maritime border case between Kenya and Somalia begins Monday at the International Court of Justice in The Hague in what could define the ownership of an area with oil and gas potential.

Shen Neng 1: Chinese coal ship owners to pay Government \$39.3m over Barrier Reef grounding. By Stephanie Smail. ABC (Australia) [Online]. 19 September 2016.

Available from: <http://www.abc.net.au/news/2016-09-19/shen-neng-1-owners-to-pay-39-million-over-barrier-reef-grounding/7858956>

The owners of *Shen Neng 1*, a Chinese coal carrier which ran aground and caused significant damage to the Great Barrier Reef more than six years ago, have agreed to pay \$39.3 million to the Australian Government.

Owner of Shen Neng 1 to pay Commonwealth \$39M following out of court settlement.

Government of Australia [Online]. 19 September 2016. Available from:

<http://www.environment.gov.au/minister/frydenberg/media-releases/mr20160919.html>

The Australian Government has won a significant legal challenge and reached a \$39.3 million dollar out of court settlement with the owners of a Chinese coal carrier that ran aground in April 2010 causing the largest known direct impact on the Great Barrier Reef.

UK claims leading role in environmental agreement, but refuses to sign it. By David Ross.

Herald Scotland [Online]. 20 September 2016. Available from:

<http://www.heraldscotland.com/opinion/columnists/14754472.UK-claims-leading-role-in-environmental-agreement-but-refuses-to-sign-it>

An important international agreement protecting the marine environment from pollution by alien species, will come into force next year despite the UK not signing it.

Somalia faults Kenya's argument on ocean row. Daily Nation (Kenya) [Online].

20 September 2016. Available from: <http://www.nation.co.ke/news/Somalia-faults-Kenya-s-argument-on-ocean-row/1056-3388514-o294lcz/>

Somalia says an agreement it signed with Kenya in 2009 was not specific on how to resolve the maritime boundary dispute between the two countries.

2017 Change Development Consultation. Isle of Man Ship Registry [Online].

September 2016. Available from:

<https://www.gov.im/lib/docs/ded/shipregistry/formsdocs/documents/iomshipregchangeconsultation2016.pdf>

Following a thorough internal review, the Isle of Man Ship Registry plans to introduce a number of changes across its Registry structure.

'Application of human rights throughout the maritime environment at all times without exception', IMHR 2016 Conference Review. Human Rights at Sea (HRAS) [Online].

21 September 2016. Available from: <https://www.humanrightsatsea.org/press-release-imhr-2016-conference-review/>

A week after the inaugural International Maritime Human Rights (IMHR) conference took place on Wednesday 14 September 2016, at The Royal College of Surgeons in London, the positive repercussions of the event continue to reverberate.

Australian flag of convenience inquiry to continue. Maritime Executive [Online].

19 September 2016. Available from: <http://www.maritime-executive.com/article/australian-flag-of-convenience-inquiry-to-continue>

Australia's inquiry into flag of convenience shipping has resumed after federal elections halted it earlier this year.

Flag state inspectors acquire knowledge on ship safety standards. *Pacific Community (SPC)* [Online]. 23 September 2016. Available from: <http://www.spc.int/en/media-releases/2633-flag-state-inspectors-acquire-knowledge-on-ship-safety-standards.html>

Fourteen Flag State Inspectors from the Pacific region are now better equipped to carry out their important role in enforcing safety standards and requirements when conducting regular inspections on-board vessels.

France's New Role in the Arctic. By Maria Lagutina, Associate Professor, St. Petersburg State University. *Russian International Affairs Council (RIAC)* [Online]. 22 September 2016. Available from: http://www.russiancouncil.ru/en/inner/?id_4=8091 In June 2016, France adopted its National Arctic Exploration Programme, which sets out the country's basic interests in the region and delineates the principal trends and priorities of its Arctic policies in the coming years.

Indonesia seizes fertilizer ship in Bali, suspecting bomb plot. *Reuters* [Online]. 22 September 2016. Available from: <http://www.reuters.com/article/us-indonesia-security-idUSKCN11S0T9> Indonesian authorities on the resort island of Bali on Thursday detained a ship from Malaysia carrying around 30 tonnes of fertilizer which police believe may have been intended for making bombs.

Maritime Delimitation in the Indian Ocean (Somalia v. Kenya): The Court to begin its deliberation. *International Court of Justice* [Online]. 23 September 2016. Available from: <http://www.icj-cij.org/docket/files/161/19098.pdf> The public hearings on the preliminary objections raised by Kenya in the case of Maritime Delimitation in the Indian Ocean (Somalia v. Kenya) were concluded today.

USCG confirms Optimarin first in line for ballast water approval. *Optimarin* [Online]. 22 September 2016. Available from: <http://i2.wp.com/optimarin.com/wp-content/uploads/2016/09/Press-release-2016-September-22.png>

IBIA welcomes Danish authorities' clampdown on bunker fraud. *International Bunker Industry Association (IBIA)* [Online]. 23 September 2016. Available from: <http://ibia.net/ibia-welcomes-danish-authorities-clampdown-on-bunker-fraud/> The International Bunker Industry Association (IBIA) welcomes the fact that Danish authorities have investigated and sought to bring to justice fraudulent activities allegedly perpetrated by a bunkering company in the country.

New EU border guard agency is no magic bullet. By Lisa Watanabe, Senior Researcher, Centre for Security Studies (CSS). *EurActiv* [Online]. 27 September 2016. Available from: <http://www.euractiv.com/section/justice-home-affairs/opinion/new-eu-border-guard-agency-is-no-magic-bullet/> The EU's new European Border and Coast Guard agency (EBCG) will replace its existing entity, Frontex, and will be operational next month.

How Will Arctic Shipping Affect Maritime Law? By Paul Benecki. *Maritime Executive* [Online]. 27 September 2016. Available from: <http://www.maritime-executive.com/editorials/how-will-arctic-shipping-affect-maritime-law> On October 5, law firm Verrill Dana and oceanographic organization MOTN will host a symposium on "Marine Technology and the North," timed to coincide with the international Arctic Council meeting in Portland, Maine.

MARINE TECHNOLOGY

Ship Operators Explore Autonomous Sailing. By Robert Wall and Costas Paris.

Wall Street Journal [Online]. 31 August 2016. Available from: <http://www.wsj.com/articles/ship-operators-explore-autonomous-sailing-1472635800> 📄 Ship designers, their operators and regulators are gearing up for a future in which cargo vessels sail the oceans with minimal or even no crew.

The ship that never calls at port. By Monika Canty. Maersk [Online]. 8 September 2016.

Available from: <http://www.maersk.com/en/the-maersk-group/about-us/publications/maersk-post/2016-3/the-ship-that-never-calls-at-port> 📄 From a distance it looks like one of the many thousands of container vessels plying the world's oceans at any given moment, but there is a difference - this ship has no captain and no crew.

Fully Autonomous Vessels "Unrealistic". Maritime Executive [Online]. 11 September 2016.

Available from: <http://www.maritime-executive.com/editorials/fully-autonomous-vessels-unrealistic> Captain Samrat Ghosh and Trudi Hogg of the Australian Maritime College at the University of Tasmania have published a paper stating that belief in the reliability of fully autonomous vessels is unrealistic.

<http://www.tandfonline.com/doi/abs/10.1080/18366503.2016.1229244>

Delivering innovation in LNG-fuelled container ships. LNG World Shipping [Online].

13 September 2016. Available from: http://www.lngworldshipping.com/news/view,delivering-innovation-in-lngfuelled-container-ships_44541.htm With concepts for liquefied natural gas (LNG)-powered vessels being announced with increasing frequency, it is easy to understate the impact of the decision taken in 2012 by US container operator TOTE Maritime to build a pair of LNG-powered ships at General Dynamics' NASSCO shipyard.

Performance system proves quietly efficient. Marine Propulsion & Auxiliary Machinery

[Online]. 15 September 2016. Available from:

http://www.mpropulsion.com/news/view,performance-system-proves-quietly-efficient_44597.htm

A new passenger ferry, *Antares*, has been launched from the Italian city of Naples and is the first boat of its kind in the region to be installed with Volvo Penta's ingenious Inboard Performance System (IPS), which is delivering excellent results in terms of noise reduction.

Early progress for fuel cell demonstrators. The Motorship [Online]. 14 September 2016.

Available from: <http://www.motorship.com/news101/fuels-and-oils/early-progress-for-fuel-cell-demonstrators> Shipbuilders Meyer Werft and ThyssenKrupp Marine Systems have reported on the first phase of a German multi-party project to develop and demonstrate fuel cells for marine applications.

NAVTOR takes maritime lead for EU autonomous vessel project.

American Journal of Transportation (AJOT) [Online]. 19 September 2016. Available from:

<https://www.ajot.com/news/navtor-takes-maritime-lead-for-eu-autonomous-vessel-project>

Norway - NAVTOR is to spend the next three years helping the EU chart a route towards autonomous vessels.

Adopting a new source of power for cruise ships. Green Port [Online]. 20 September 2016.

Available from: <http://www.greenport.com/news101/cruise/adopting-a-new-source-of-power-for-cruise-ships> When Carnival Corporation's *AIDA Sol* sailed into the Port of Hamburg in Germany in May 2015, it also charted a course that may set the cruise industry on a new path for powering its vessels, writes Tom Strang, senior vice president, maritime affairs, Carnival Corporation.

Autonomous maritime ecosystem starts in Finland. *Tekes (Finnish Funding Agency for Innovation)* [Online]. 23 September 2016. Available from: <https://www.tekes.fi/en/whats-going-on/news-2016/autonomous-maritime-ecosystem-starts-in-finland/> New business ecosystem brings together global forerunners and agile ICT start-ups to develop first autonomous shipping solutions in the world.

World's first system of autonomous ships kicks off at the Baltic Sea. *DIMECC (Digital, Internet, Materials and Engineering Co-Creation)* [Online]. 23 September 2016. Available from: <http://www.dimecc.com/news/worlds-first-system-autonomous-ships-dimeccs-innovation-ecosystem-brings-forerunners-investments-finland/> Finnish maritime industries will create an ecosystem for autonomous marine transport.

Maersk spearheads battle to drag container shipping into digital age. By Janet Porter. *Lloyd's List* [Online]. 25 September 2016. Available from: <https://www.lloydslist.com/ll/sector/containers/article537702.ece> Maersk Group's plans to split in two and concentrate in future on transport and logistics grabbed all the headlines last week, but it was some of the detail that really caught the attention of those in the shipping and forwarding world.

Ballast water treatment systems: invest or scrap? *Splash 24/7* [Online]. 27 September 2016. Available from: <http://splash247.com/ballast-water-treatment-systems-invest-scrap/> After more than 10 years in regulatory limbo, the IMO Ballast Water Management Convention will finally enter into force on September 8, 2017.

Wärtsilä to participate in research programme aimed at creating an ecosystem for autonomous marine transport. *Wärtsilä Corporation* [Online]. 26 September 2016. Available from: <http://www.wartsila.com/media/news/26-09-2016-wartsila-to-participate-in-research-programme-aimed-at-creating-an-ecosystem-for-autonomous-marine-transport> Wärtsilä's strong commitment to developing the technologies, the system reliability, and the essential designs to enable the viability of autonomous shipping is again emphasised through its participation in an important research programme.

MARITIME SAFETY

New safety videos and craft regulations among safety-at-sea efforts: Khaw Boon Wan. By Olivia Ho. *Straits Times* [Online]. 30 August 2016. Available from: <http://www.straitstimes.com/singapore/new-safety-videos-and-craft-regulations-among-safety-at-sea-efforts-khaw-boon-wan> Singapore is stepping up efforts to enhance safety at sea, said Transport Minister Khaw Boon Wan at the inaugural Safety@ Sea conference on Tuesday (Aug 30).

Several US east coast ports close or restrict access due to Hurricane Hermine. By Donal Scully. *Splash 24/7* [Online]. 2 September 2016. Available from: <http://splash247.com/several-us-east-coast-ports-close-or-restrict-access-due-to-hurricane-hermine/> Seaports in Florida, Georgia and the Carolinas were taking varying degrees of restrictive measures as Hurricane Hermine continued its progress north through the region.

Update: Coast Guard searching for cruise ship passenger 27 miles southwest of Bahamas. *US Coast Guard Newsroom* [Online]. 7 September 2016. Available from: <http://www.uscgnews.com/go/doc/4007/2880442/> The Coast Guard is searching for a woman who reportedly went overboard Wednesday from the *Carnival Ecstasy* cruise ship approximately 27 miles southwest of Freeport, Bahamas.

Local Concerns of Opening the Arctic and the *Crystal Serenity*. By Austin Ahmasuk. *Ocean Conservancy* [Online]. 8 September 2016. Available from:

<http://blog.oceanconservancy.org/2016/09/08/local-concerns-of-opening-the-arctic-and-the-crystal-serenity/> Last month the *Crystal Serenity* set sail from the Alaskan port of Seward on a voyage through the Northwest Passage to New York City, making it the first cruise ship of its size to attempt this journey.

Alaska prepares for vessel disasters. By Dave Bendinger. *KDLG Public Radio Alaska* [Online]. 12 September 2016. Available from: <http://kdlg.org/post/alaska-prepares-vessel-disasters> On one of the nicest days of the summer, the Coast Guard cutter *Morgenthau* needs help.

Union calls for radical action after another lifeboat accident. *Nautilus International* [Online]. 13 September 2016. Available from: <https://www.nautilusint.org/en/what-we-say/nautilus-news/union-calls-for-radical-action-after-another-lifeboat-accident/> The Union has voiced concern after a fresh accident - in which one crew member died and four others were injured, two seriously, during an exercise onboard the Bahamas-flagged cruiseship *Harmony of the Seas* in the French port of Marseilles.

Lifeboat Drill Accident: One Killed, Four Injured in Fall Aboard *Harmony of the Seas*.

By Mike Schuler. *gCaptain* [Online]. 13 September 2016. Available from: <http://gcaptain.com/lifeboat-drill-accident-one-killed-four-injured-in-fall-aboard-harmony-of-the-seas/> One crew member was killed and four others were injured Tuesday in an accident during lifeboat drill aboard the world's largest cruise ship.

Tugs will ensure tanker safety in Vancouver harbour, NEB told. By Mark Hume.

Globe and Mail (Canada) [Online]. 18 September 2016. Available from: <http://www.theglobeandmail.com/news/british-columbia/tugs-will-ensure-tanker-safety-in-vancouver-harbour-neb-told/article31948123/> During the National Energy Board hearings into the proposed expansion of the Trans Mountain pipeline, fears were raised about the risks of oil-tanker accidents.

IUMI calls for further industry cooperation to tackle containership fires.

International Union of Marine Insurance (IUMI) [Online]. 20 September 2016. Available from: http://www.iumi.com/images/documents/Press_releases/160920_Container_vessel_fires_IUMI_raises_concerns.pdf Two recent onboard containership fires have fueled concerns from IUMI (International Union of Marine Insurance) over the challenges involved with managing these incidents at sea.

MARITIME SECURITY

EUNAVFOR MED Operation Sophia authorised to start two additional supporting tasks.

Council of the European Union [Online]. 30 August 2016. Available from: <http://www.consilium.europa.eu/en/press/press-releases/2016/08/30-eunavfor-med-sophia-op-add-supporting-tasks/> This EU naval operation aims to disrupt the business model of human smugglers and traffickers in the Southern Central Mediterranean.

Australia, NZ support Solomon Islands Maritime Security. *Solomon Times Online* [Online].

31 August 2016. Available from: <http://www.solomontimes.com/news/australia-nz-support-solomon-islands-maritime-security/8540> Royal Solomon Islands Police Vessel (RSIPV) Auki returned to Honiara last week following a 16 day fisheries operation targeting Illegal, Unreported and Unregulated (IUU) fishing across both Vanuatu's and Solomon Island's EEZ.

NIMASA boss assures stakeholders of safety at ports. By Wale Williams-Smith.

Today (Nigeria) [Online]. 30 August 2016. Available from:

<https://www.today.ng/news/nigeria/174513/nimasa-boss-assures-stakeholders-safety-ports>

The Nigerian Maritime Administration and Safety Agency (NIMASA), has assured all vessels calling at Nigerian ports of their security and safety.

Something else to worry over. By Malcolm Latache. *ShipInsight* [Online]. 26 August 2016.

Available from: <https://www.shipinsight.com/something-else-to-worry-over/> In recent years, shipowners have learned to be security conscious for a number of reasons. It began with the ISPS Code and all that brought with it such as ship security alert systems and LRIT and progressed through tackling the scourge of piracy to what is now being said to be the latest threat – cyber attacks.

Maritime security programme strategy 2015 to 2016. UK Government [Online].

26 August 2016. Available from: <https://www.gov.uk/government/publications/maritime-security-programme-strategy-2015-to-2016> UK National Strategy for Maritime Security and the EU Maritime Security Strategy, provides the strategic context for FCO work on maritime security including our programmes.

Japan backs Kenya bid to protect fishing sector and combat pirates. By Stellar Murumba.

Business Daily (Kenya) [Online]. 30 August 2016. Available from:

<http://www.businessdailyafrica.com/Japan-backs-Kenya-bid-to-protect-fishing-sector/1248928-3363296-1b804i/index.html>

Kenya's efforts to fence in its fishery resources and rid its coast of pirates received crucial backing of Japan at the just concluded Sixth Tokyo International Conference on African Development (Ticad VI).

Armed French sea marshals deployed on *Barfleur* in anti-terror exercise. By Jim Durkin.

Bournemouth Daily Echo (UK) [Online]. 2 September 2016. Available from:

http://www.bournemouthecho.co.uk/news/14719229.Armed_French_sea_marshals_deployed_on_n_Barfleur_in_anti_terror_exercise/

Armed French sea marshals were deployed on Brittany Ferries' *Barfleur* this week as part of an ongoing mission to deter terrorist attacks.

French TV toy gun stunt 'sensationalist' - Valletta Cruise Port. By Kurt Sansone.

Times of Malta [Online]. 2 September 2016. Available from:

<http://www.timesofmalta.com/articles/view/20160902/local/french-tv-toy-gun-stunt-sensationalist-valletta-cruise-port.623780>

Alleged security flaws on a cruise liner berthed in Malta shown on French TV were nothing more than "sensational journalism", according to Valletta Cruise Port.

IBIA publishes paper focusing on maritime security. *Planet Biometrics* [Online].

6 September 2016. Available from: [http://www.planetbiometrics.com/article-](http://www.planetbiometrics.com/article-details/i/4942/desc/ibia-publishes-paper-focusing-on-maritime-security/)

[details/i/4942/desc/ibia-publishes-paper-focusing-on-maritime-security/](http://www.planetbiometrics.com/article-details/i/4942/desc/ibia-publishes-paper-focusing-on-maritime-security/) The International Biometrics + Identity Association (IBIA) has published a new focus paper focusing on the importance of biometrics in ensuring security at all maritime bases.

Japan offers to train maritime security officials from Asean. By Tan Hui Yee. *Straits Times*

[Online]. 8 September 2016. Available from: [http://www.straitstimes.com/asia/se-asia/japan-](http://www.straitstimes.com/asia/se-asia/japan-offers-to-train-maritime-security-officials-from-asean)

[offers-to-train-maritime-security-officials-from-asean](http://www.straitstimes.com/asia/se-asia/japan-offers-to-train-maritime-security-officials-from-asean) Japan is offering to train some 1,000 maritime security officials from Asean, Prime Minister Shinzo Abe said during the Asean-Japan summit yesterday.

Jokowi calls on ASEAN to improve maritime cooperation. By Ayomi Amindoni.

Jakarta Post [Online]. 7 September 2016. Available from:

<http://www.thejakartapost.com/seasia/2016/09/07/jokowi-calls-on-asean-to-improve-maritime-cooperation.html> Only one day after visiting China, which has sparked a territorial dispute in the South China Sea, President Joko "Jokowi" Widodo has iterated the importance of maritime cooperation between ASEAN countries to maintain peace and stability in the region.

Maritime terrorism continues to be a major threat: Rajnath Singh. *Indian Express* [Online].

9 September 2016. Available from: <http://indianexpress.com/article/india/india-news-india/maritime-terrorism-continues-to-be-a-major-threat-rajnath-singh-3022289/>

Terming maritime terrorism as a major threat, Union Home Minister Rajnath Singh on Friday said the government has started the process of security audit to identify vulnerable areas in the seas and along the coastline.

Cyber security eLearning survey. *Baltic and International Maritime Council (BIMCO)* [Online].

13 September 2016. Available from:

https://www.bimco.org/News/2016/09/13_cyber_security_survey.aspx Cyber crime in the maritime industry is on the rise and understanding how attacks work, how they can be avoided and what shipowners and operators need to do to improve their knowledge is one of the concerns of BIMCO.

Space, the final frontier for cybersecurity? - Summary. *Chatham House Royal Institute of International Affairs* [Online]. 22 September 2016. Available from:

<https://www.chathamhouse.org/publication/space-final-frontier-cybersecurity> A radical review of cybersecurity in space is needed to avoid potentially catastrophic attacks. [Research Paper](#)



IOM, UNHCR Host Regional Workshop on Protection at Sea in Southern Mediterranean.

International Organization for Migration (IOM) [Online]. 23 September 2016. Available from:

<http://www.iom.int/news/iom-unhcr-host-regional-workshop-protection-sea-southern-mediterranean> On 21-22 September, IOM and UNHCR jointly organized and facilitated a regional workshop on Strengthening Protection at Sea in the Southern Mediterranean Sea Region in the Tunisian capital Tunis.

Maritime security exercise to strengthen cooperation among countries kicks off.

By Calvin Yang. *Straits Times* [Online]. 27 September 2016. Available from:

<http://www.straitstimes.com/singapore/maritime-security-exercise-to-strengthen-cooperation-among-countries-kicks-off> More than 800 personnel from 21 countries will be involved in a series of shore and sea activities, in an exercise to address potential threats such as the spread of weapons of mass destruction.

MARITIME TRAINING

SLASPA facilitates ISPS code awareness training. *St Lucia News Online* [Online].

30 August 2016. Available from: <http://www.stlucianewsonline.com/slaspa-hosts-international-ship-and-port-facility-security-isps-code-awareness-training/> The Saint Lucia Air and Sea Ports Authority (SLASPA) Division of Maritime Affairs on August 30th, 2016 facilitated a half day International Ship and Port Facility Security (ISPS) Code Awareness Training at the Ministry of Infrastructure, Port Services.

Crew Training: The Role of Culture, Competence and Certification in Safety Training.

By Captain Pradeep Chawla. *Safety 4 Sea* [Online]. 1 September 2016. Available from: <http://www.safety4sea.com/crew-training-the-role-of-culture-competence-and-certification-in-safety-training/> In the following article, Capt Pradeep Chawla, Managing Director, QHSE & Training, Anglo-Eastern Univan Group Company, discusses the role of certificate of competency in safety training. He further discusses the relationship of STCW competency standards and expectations of the industry.

KONGSBERG Signs Contracts for LNG Cruise Ferry Simulators. **By Joseph R. Fonseca.**

Marine Technology News [Online]. 1 September 2016. Available from: <http://www.marinetechnews.com/news/kongsberg-signs-contracts-cruise-537852> Handling LNG fuel and other low-flashpoint fuels on ships will become part of maritime training standards in 2017, following IMO's addition of aspects of the International Code of Safety for Ships using Gases or other Low-flashpoint Fuels (IGF Code), including LNG fuel handling and bunkering, to Standards of Training, Certification and Watch keeping (STCW).

How Can the Marine Industry Counteract Its Aging Workforce? By Daniel Ward, Freelance and Marine Director at Worldwide Recruitment Solutions (WRS). *Maritime Jobs* [Online].

2 September 2016. Available from: <http://news.maritimejobs.com/news/how-can-the-marine-industry-627341> A lack of newly trained candidates to fill the gaps caused by retirement of an aging workforce, now compounded even further by the oil price crash, means marine companies are beginning to feel the pressure of staff shortages.

Emirati woman earns first marine certification. **By Derek Baldwin.** *Gulf News* [Online].

4 September 2016. Available from: <http://gulfnews.com/news/uae/government/emirati-woman-earns-first-marine-certification-1.1890736> An Emirati woman who works for Abu Dhabi Ports has navigated her way into the UAE maritime history books.

It's time for an upgrade. *Fiji Times* [Online]. 7 September 2016. Available from:

<http://www.fijitimes.com/story.aspx?id=369911> There is no need for concern says the Fiji Maritime Academy as local sailors anxiously await the bridging and upgrading course that will allow them to renew their Fiji Seafarers Certificate of Competency.

The next generation of seafarers. **By John Churchill.** *Maersk* [Online]. 8 September 2016.

Available from: <http://www.maersk.com/en/the-maersk-group/about-us/publications/maersk-post/2016-3/the-next-generation-of-seafarers> The Global Cadet Administration has 3,100 cadets in its talent pool and is responsible for training cadets for work in Maersk businesses such as Maersk Liner Business, Maersk Tankers and Maersk Supply.

For some children, maritime careers a hard sell. **By Jewel Levy.** *Cayman Compass*

[Online]. 7 September 2016. Available from: <https://www.caymancompass.com/2016/09/07/for-some-children-maritime-careers-a-hard-sell/> At a session on seafaring at George Town Primary School on Tuesday, students were introduced to career opportunities in the maritime industry.

Engagement formalised with world-leading shipbuilder. *Australian Maritime College* [Online]. 6 September 2016. Available from: <https://www.amc.edu.au/news/amc/engagement-formalised-world-leading-shipbuilder> A new agreement between the University of Tasmania, represented by the Australian Maritime College, and one of the world's leading shipbuilders will unlock opportunities for collaboration in research and education.

Nord University in Norway establishes new partnership to increase maritime safety and prepare for emergency operations in Arctic regions. *Ship Management International* [Online]. 8 September 2016. Available from: <http://goo.gl/0oZG6B> Kongsberg maritime simulators will enable a new partnership between Nord University, Bodin and Lofoten Maritime Vocational Schools and the Nordland county administration in Norway.

Admiral Ushakov State Maritime University enrolment exceeds 600 in 2016. *Port News* [Online]. 9 September 2016. Available from: <http://portnews.ru/news/225948/> According to Sergei Panchenko, pro-rector of the university, the federal budget will finance the education of over 350 students,

Maritime Skills Academy Launches its Innovative Survival Complex in Dover. *Maritime Skills Academy (UK)* [Online]. 12 September 2016. Available from: <http://www.maritimeskillsacademy.com/news/2016/09/12/maritime-skills-academy-launches-its-innovative-survival-complex-dover/> Taking place on Thursday 8th September, Maritime Skills Academy celebrated the launch of its specialist training facility; showcasing all that the state-of-the-art Academy has to offer to key industry guests.

Maersk installs 'spectacular' lifeboat simulator. *Tanker Shipping & Trade* [Online]. 12 September 2016. Available from: http://www.tankershipping.com/news/view,maersk-installs-spectacular-lifeboat-simulator_44524.htm A free-fall lifeboat simulator is now operating at Maersk Training's new facility in Esbjerg, Denmark.

New tanker familiarisation course launched. *Seychelles Nation* [Online]. 16 September 2016. Available from: <http://www.nation.sc/article.html?id=251045> The Seychelles Maritime Academy (SMA), through its partnership with the Seychelles Petroleum Company (Seypec), is facilitating a new tanker familiarisation course.

Videotel produces new programme for safe navigation in one of the world's busiest shipping lanes. *KVH Industries* [Online]. 19 September 2016. Available from: <http://www.kvh.com/Press-Room/Press-Release-Library/2016/091916-Videotel-Produces-New-Programme-for-Safe-Navigation.aspx> The Maritime and Port Authority of Singapore (MPA) has released a training programme, produced by Videotel, a KVH company, (Nasdaq: KVHI), to encourage safe navigation in the Singapore Strait.

MIGRANTS

3,000 migrants saved off Libya a day after record rescue. *The Local (Italy)* [Online].

31 August 2016. Available from: <http://www.thelocal.it/20160831/3000-migrants-saved-off-libya-a-day-after-record-rescue> Rescuers saved 3,000 migrants in the waters off Libya on Tuesday as they tried desperately to reach Europe, a day after a record 6,500 people were rescued in the Mediterranean.

Migrants mass in Libya in deadly 'race against time'. *The Local (Italy)* [Online].

31 August 2016. Available from: <http://www.thelocal.it/20160831/migrants-mass-in-libya-in-deadly-race-against-time> Thousands of migrants are "racing against the clock" to make the perilous crossing from Libya to Europe before summer ends, with authorities in the conflict-torn country at a loss to stem the flow.

Thousands of migrants rescued off Libya. *BBC News* [Online]. 30 August 2016.

Available from: <http://www.bbc.co.uk/news/world-europe-37216881> 🗣️ About 6,500 migrants have been rescued off Libya, the Italian coastguard says, in one of the biggest operations of its kind to date.

Calm seas, Libya's lawless state open door for migrant flows. By Steve Scherer and Ahmed Elumami. *Reuters* [Online]. 31 August 2016. Available from:

<http://www.reuters.com/article/us-europe-migrants-idUSKCN11629A?il=0> Calmer seas and Libya's lawlessness have opened the way for smugglers to ship thousands of migrants across the Mediterranean this week, in a striking reminder of how far Europe is from ending the migrant crisis.

A year on from Alan Kurdi's death, Mediterranean drowning rates soaring.

By William Spindler. *United Nations High Commissioner for Refugees (UNHCR)* [Online].

2 September 2016. Available from:

<http://www.unhcr.org/news/briefing/2016/9/57c938b97/year-alan-kurdis-death-mediterranean-drowning-rates-soaring.html> A year ago today, the world was moved by the photograph of Syrian toddler Alan Kurdi who drowned when his family, like hundreds of thousands of other refugees, was desperately trying to reach safety in Europe. UNHCR estimates that, since Alan's death 4,176 people have died or gone missing on the Mediterranean - an average of 11 men, women and children perishing every single day over the last 12 months.

Massive Migrant Rescue Off Libyan Coast 'Awe-Inspiring'. By Salem Solomon.

Voice of America [Online]. 31 August 2016. Available from: <http://www.voanews.com/a/size-of-migrant-rescue-off-libya-awe-inspiring/3488215.html> In what one rescuer called an "extraordinary day," about 6,500 people Monday were pulled from some 40 ships off the coast of Libya en route to Europe.

Report: Desperate Attempts To Save Migrants From The Sea. By Mark Stone. *Sky News* [Online]. 5 September 2016. Available from:

<https://www.youtube.com/watch?v=Q9ByK1W5nw0> 🗣️ Our Europe Correspondent Mark Stone witnesses a distressing rescue operation by the Migrant Offshore Aid Station (MOAS) as desperate migrants are pulled from the sea. Some don't survive.

Saving Lives in Greek Waters. *BBC World Service* [Online]. 5 September 2016.

Available from: <http://www.bbc.co.uk/programmes/p046z3wb> 🗣️ The Hellenic Rescue Team is a sea volunteer rescue group credited with saving thousands of lives during 2015.

73 people rescued from capsized boat in Mediterranean. *Anadolu Agency (Turkey)* [Online]. 3 September 2016. Available from: <http://aa.com.tr/en/todays-headlines/73-people-rescued-from-capsized-boat-in-mediterranean/640435> A tour boat in the Turkish Mediterranean with dozens of people on board capsized Saturday in a heavy rainstorm, authorities said, and 73 people have so far been rescued.

Libyan naval attack on charity ship adds new danger to migrant rescue.

By Chris Stephen. *The Guardian* [Online]. 3 September 2016. Available from: <https://www.theguardian.com/world/2016/sep/03/libyan-naval-attack-on-charity-ship-adds-new-danger-to-migrant-rescue> Chaotic and deadly scenes are unfolding off the Libyan coast as record numbers of migrants attempt the dangerous crossing to Europe.

Mediterranean migration drives rise in deaths. **By Tom Rollins.** *Deutsche Welle (DW) (Germany)* [Online]. 2 September 2016. Available from: <http://www.dw.com/en/mediterranean-migration-drives-rise-in-deaths/a-19522096> 🗣️ Worldwide migration deaths are on the rise, driven by growing numbers of refugees lost at sea in the Mediterranean, according to new data from the International Organization for Migration (IOM).

Fewer migrants crossing the Med to Europe but more dying - IOM. *Euronews* [Online]. 7 September 2016. Available from: <http://www.euronews.com/2016/09/07/fewer-migrants-crossing-the-med-to-europe-but-more-dying-iom> 🗣️ New figures from the International Organization for Migration (IOM) show that fewer people are crossing the Mediterranean Sea, but more are perishing on the crossing to Europe.

Europe/Mediterranean - Migration Crisis Response Situation Report 7 September 2016. *International Organization for Migration (IOM)* [Online]. 7 September 2016. Available from: <https://www.iom.int/sitreps/europemediterranean-migration-crisis-response-situation-report-7-september-2016>

The rescue: 'The tiny dingy was rammed with people'. **By Lucy Grey.** *BBC World Service* [Online]. 8 September 2016. Available from: <http://www.bbc.co.uk/programmes/p0476hbm> 🗣️ Our reporter Lucy Grey is on board a Médecins Sans Frontières (MSF) rescue mission off the coast of Libya.

MSF rescuer: 'My greatest and saddest moments'. *BBC World Service* [Online]. 8 September 2016. Available from: <http://www.bbc.co.uk/programmes/p04776ym> 🗣️ We spoke with two workers on board a migrant rescue ship about why they do their jobs.

Save the Children's search-and-rescue ship sets sail from Sicily to save childrens' lives in deadly Mediterranean. *Save the Children* [Online]. 8 September 2016. Available from: <http://goo.gl/5C744N> Save the Children's search and rescue ship, the *Vos Hestia*, has launched its first search and rescue mission for refugees and migrants crossing the Central Mediterranean.

Irish Navy ship saves over 400 migrants from sea. **By Wayne O'Connor.** *Independent (Ireland)* [Online]. 9 September 2016. Available from: <http://www.independent.ie/irish-news/irish-navy-ship-saves-over-400-migrants-from-sea-35039157.html> An Irish naval vessel yesterday rescued more than 400 migrants as part of its operations in the Mediterranean.

Migrant Arrivals on Mediterranean Reach 294,450; Deaths at Sea: 3,207.

International Organization for Migration (IOM) [Online]. 13 September 2016. Available from: <https://www.iom.int/news/migrant-arrivals-mediterranean-reach-294450-deaths-sea-3207>

IOM reports that 294,450 migrants and refugees entered Europe by sea in 2016 through 12 September, arriving mostly in Greece and Italy, where 126,931 migrants or refugees have arrived during 2016.

Central American migrants desperate to reach US risk new dangers at sea.

By Nina Lakhani. *The Guardian* [Online]. 15 September 2016. Available from:

<https://www.theguardian.com/global-development/2016/sep/15/migrants-mexico-human-trafficking-us-immigration-crackdown>

The highway from Mexico's southern state of Chiapas into the neighbouring region of Oaxaca hugs the Pacific coast, cutting through dusty towns and densely forested mountains.

LÉ James Joyce recovers five bodies during Mediterranean mission. By Elaine Edwards.

Irish Times [Online]. 14 September 2016. Available from:

<http://www.irishtimes.com/news/ireland/irish-news/l%C3%A9-james-joyce-recovers-five-bodies-during-mediterranean-mission-1.2791345>

An Irish naval vessel has recovered five bodies, including that of a heavily pregnant woman, while carrying out a search-and-rescue mission off the coast of Libya.

EU attends UN Summit on refugees and migrants and 71st United Nations General Assembly Ministerial week.

European Commission [Online]. 16 September 2016. Available from: http://europa.eu/rapid/press-release_IP-16-3082_en.htm A high level delegation of the European Union will travel to New York next week to participate in the UN Summit on refugees and migrants on 19 September, and take part in this year's UN General Assembly Ministerial week, taking place from 20 to 29 September.

Mediterranean Migrant Arrivals Reach 297,039; Deaths at Sea: 3,212.

International Organization for Migration (IOM) [Online]. 16 September 2016. Available from: <https://www.iom.int/news/mediterranean-migrant-arrivals-reach-297039-deaths-sea-3212>

IOM reports that 297,039 migrants and refugees entered Europe by sea in 2016 through 14 September, arriving mostly in Greece and Italy.

Egyptian Navy stops over 400 illegal immigrants near Mediterranean coast.

Daily News Egypt [Online]. 15 September 2016. Available from:

<http://www.dailynewsegypt.com/2016/09/15/egyptian-navy-stops-400-illegal-immigrants-near-mediterranean-coast/>

Navy forces succeeded in preventing 440 individuals from illegally immigrating this week, Armed Forces spokesperson Ahmed Samir said on Wednesday.

Bay of Bengal and Andaman Sea - Crisis Response Situation Report: August 2016.

International Organization for Migration (IOM) [Online]. 14 September 2016. Available from: <https://www.iom.int/sitreps/bay-bengal-and-andaman-sea-crisis-response-situation-report-august-2016>

Boat carrying 600 migrants sinks off Egypt, killing at least 43. By Amina Ismail.

Reuters [Online]. 22 September 2016. Available from: <http://www.reuters.com/article/us-europe-migrants-egypt-idUSKCN11R1L0>

A boat carrying almost 600 people capsized off Egypt's coast on Wednesday, killing at least 43, in the latest disaster among migrants trying to reach Europe.

Mediterranean migrant arrivals reach 298,474; Deaths at sea: 3,213.

International Organization for Migration (IOM) [Online]. 20 September 2016. Available from: <http://www.iom.int/news/mediterranean-migrant-arrivals-reach-298474-deaths-sea-3213>
IOM reports that 298,474 migrants and refugees entered Europe by sea in 2016 through 18 September, arriving mostly in Greece and Italy.

Egyptian migrants rescued. *BBC World Service* [Online]. 23 September 2016. Available from: <http://www.bbc.co.uk/programmes/p0480bt0>  The Egyptian authorities have arrested four members of the crew of the boat carrying migrants that sank off the coast of Egypt. @ 01':02" - 5':20"

Death toll rises to 52 after migrant boat capsizes off Egypt. By Amina Ismail. *Reuters* [Online]. 22 September 2016. Available from: <http://www.reuters.com/article/us-europe-migrants-egypt-idUSKCN11S17M> Nine more bodies have been recovered from the Mediterranean a day after a boat carrying hundreds of migrants capsized off the coast of Egypt, officials said on Thursday, bringing the death toll to 52.

Mediterranean Migrant Arrivals Reach 300,450; Deaths at Sea: 3,501.

International Organization for Migration (IOM) [Online]. 23 September 2016. Available from: <http://www.iom.int/news/mediterranean-migrant-arrivals-reach-300450-deaths-sea-3501>
IOM reports that 300,450 migrants and refugees entered Europe by sea in 2016 through 21 September, arriving mostly in Greece and Italy.

More than 130 bodies recovered from migrant boat capsize off Egypt. By Mohamed el Sherif and Ahmed Mohamed Hassan. *Reuters* [Online]. 23 September 2016. Available from: <http://www.reuters.com/article/us-europe-migrants-egypt-idUSKCN11T1GA> At least 133 bodies had been recovered by Friday from a boat carrying hundreds of migrants that capsized off Egypt two days earlier, Egyptian officials said.

Death toll in migrant shipwreck off Egypt rises to 202. By Mohamed Abdellah and Stephanie Nebehay. *Reuters* [Online]. 27 September 2016. Available from: <http://www.reuters.com/article/us-europe-migrants-egypt-idUSKCN11X1CR> Thirty-three bodies were recovered on Tuesday as a wreck of boat that sank off Egypt last week with hundreds of migrants aboard was lifted from the depths, raising the confirmed death toll to 202, a local official said.

Migrant Arrivals in Mediterranean Reach 302,149; Deaths at Sea: 3,501.

International Organization for Migration (IOM) [Online]. 27 September 2016. Available from: <http://www.iom.int/news/migrant-arrivals-mediterranean-reach-302149-deaths-sea-3501>
IOM reports that 302,149 migrants and refugees entered Europe by sea in 2016 through 25 September, arriving mostly in Greece and Italy.

NAVIGATION AND COMMUNICATIONS

Human and technology interaction key to future safe navigation. By Marcus Hand.

Seatrade Maritime News [Online]. 30 August 2016. Available from: <http://www.seatrade-maritime.com/news/americas/human-and-technology-interaction-key-to-future-safe-navigation.html> With the continued developments of e-navigation the human machine interface is becoming increasingly important, with human oversight remaining the key in safety.

UKHO needs owner vigilance to avoid ECDIS-related detentions. Safety 4 Sea [Online].

13 September 2016. Available from: <http://www.safety4sea.com/ukho-calls-for-owner-vigilance-to-avoid-ecdis-related-detentions/> The United Kingdom Hydrographic Office (UKHO) has called for ship owners, operators and managers to exercise greater vigilance in order to tackle the rise in ECDIS-related detentions and the risks to safety at sea.

A Closer Look at ECDIS Detentions. By Neville Smith. Maritime Executive [Online].

13 September 2016. Available from: <http://maritime-executive.com/editorials/a-closer-look-at-ecdis-detentions> An apparent rise in the number of ECDIS-related detentions by Australian Port State Control agency AMSA this year may have hit the headlines, but closer inspection reveals more to the story than meets the eye.

Inmarsat to sponsor safety H.E.R.O. award. Inmarsat [Online]. 15 September 2016.

Available from: <http://www.inmarsat.com/news/inmarsat-sponsor-safety-h-e-r-o-award/> Inmarsat will commemorate the untimely passing earlier this year of one of the architects of its Maritime Safety Operations network, Vladimir Maksimov, by sponsoring the first International Maritime Rescue Federation (IMRF) H.E.R.O. Award for outstanding service to maritime search and rescue.

China, India now world's largest Internet markets. International Telecommunication Union (ITU) [Online]. 15 September 2016. Available from:

<http://www.itu.int/en/mediacentre/Pages/2016-PR35.aspx> India has overtaken the United States to become the world's second largest Internet market, with 333 million users, trailing China's 721 million.

New oil tanker begins year-round service in Russian Arctic. By Mike Schuler. gCaptain

[Online]. 19 September 2016. Available from: <https://gcaptain.com/new-oil-tanker-begins-year-round-service-in-russian-arctic/> The Russian shipping company Sovcomflot says its new arctic shuttle tanker *Shturman Albanov* has delivered its first oil cargo from the Novy Port oil field in the Gulf of Ob to the port of Murmansk, Russia.

SES launches maritime VSAT service. By Martyn Wingrove.

Marine Electronics and Communications [Online]. 15 September 2016. Available from: http://www.marinemec.com/news/view,ses-launches-maritime-vsatservice_44585.htm Satellite operator SES has launched a global satellite communications service for maritime industries that offers high-speed connectivity to vessels.

Do not put all your ships in one satellite network. By Martyn Wingrove.

Marine Electronics and Communications [Online]. 20 September 2016. Available from: http://www.marinemec.com/news/view,do-not-put-all-your-ships-in-one-satellite-network_44661.htm It is a risky business putting all future satellite communications in one basket - thankfully not many shipowners and managers do.

Satcom Expands in a Slow Shipping Market. By Paul Benecki. *Maritime Executive* [Online]. 23 September 2016. Available from: <http://maritime-executive.com/features/satcom-expands-in-a-slowng-shipping-market> The maritime satcom market is changing: large service providers are consolidating; new constellations are coming online; new service packages offer faster connections, more flexibility and more choice than ever.

Collision Avoidance: AIS Versus ARPA. By Captain Richard Madden. *Maritime Executive* [Online]. 25 September 2016. Available from: <http://www.maritime-executive.com/editorials/collision-avoidance-ais-versus-arpa> On January 11, 2014, the MV *Rickmers Dubai* collided with the towing vessel Kingston and crane barge *Walcon Wizard* in the Dover Strait.

PIRACY

Tankers shell out extra insurance costs amid escalation in West Africa piracy.

S&P Global Platts [Online]. 30 August 2016. Available from: <http://www.platts.com/latest-news/shipping/singapore/tankers-shell-out-extra-insurance-costs-amid-27659428>

Tankers moving through the Gulf of Guinea in West Africa are paying additional insurance premiums compared with relatively safer sea lanes due to escalation of piracy incidents and sea robberies in the region, and there will be serious concerns if these criminal activities become enmeshed with political disputes, a senior industry official said Tuesday.

Global piracy focus shifts to Gulf of Guinea, spike in crew abductions. *S&P Global Platts*

[Online]. 29 August 2016. Available from: <http://www.platts.com/latest-news/shipping/singapore/global-piracy-focus-shifts-to-gulf-of-guinea-27658353> The focal point of global piracy is shifting to the Gulf of Guinea with a spurt of attacks in West African countries such as Nigeria even as the menace has ebbed in Asia and around the Gulf of Aden, shipping industry executives and insurance brokers said.

10 Years of Fighting Pirates in Asia. By Prakash Panneerselvam. *The Diplomat* [Online].

1 September 2016. Available from: <http://thediplomat.com/2016/09/10-years-of-fighting-pirates-in-asia/> This year marks the 10th anniversary of the establishment of the Regional Cooperation Agreement on Combating Piracy and Armed Robbery against Ships in Asia (ReCAAP) Information Sharing Center (ISC) in Singapore. In those ten years, ReCAAP ISC has grown into a true multilateral organization comprising 20 nations across globe working toward the safety and security of the maritime commons.

War on piracy. By Elena L. Aben. *Manila Bulletin* [Online]. 11 September 2016.

Available from: <http://www.mb.com.ph/war-on-piracy/> President Duterte is allowing Indonesian forces to enter Philippine waters.

Piracy falling fast across Asia, figures show. By Simon Roughneen. *Nikkei Asian Review*

[Online]. 9 September 2016. Available from: <http://asia.nikkei.com/Politics-Economy/Policy-Politics/Piracy-falling-fast-across-Asia-figures-show> Maritime piracy attacks in Asia fell by more than two-thirds in the first half of 2016 compared to a year ago, suggesting that regional efforts to reduce the number of incidents are making headway amid a global decline in the number of ships seized or ambushed.

Indonesia called on to join ReCAAP in combating piracy. By Liza Yosephine. *Jakarta Post* [Online]. 15 September 2016. Available from: <http://www.thejakartapost.com/news/2016/09/15/indonesia-called-on-to-join-recaap-in-combating-piracy.html> Indonesia may get stronger support for its fight against piracy by joining the Regional Cooperation Agreement on Combating Piracy and Armed Robbery against Ships in Asia (ReCAAP), a US official has said.

Yachters fight back against real-life pirates of the Caribbean. By Gemma Handy. *BBC News* [Online]. 15 September 2016. Available from: <http://www.bbc.co.uk/news/world-latin-america-37274708> Pirates who target vulnerable vessels have plagued the oceans for centuries but violence and piracy against yachts cruising the Caribbean is on the rise.

Southeast Asia: World piracy hotbed. *Bangkok Post* [Online]. 19 September 2016. Available from: <http://www.bangkokpost.com/news/special-reports/1089205/southeast-asia-world-piracy-hotbed> Southeast Asia now accounts for the majority of seafaring attacks globally, surpassing the Horn of Africa, according to the International Maritime Bureau.

Singapore Navy warns of increased piracy threat. By Sam Chambers. *Splash 24/7* [Online]. 23 September 2016. Available from: <http://splash247.com/singapore-navy-warns-increased-piracy-threat/> The Singapore Navy is warning shipowners in the region need to be super aware of a greater piracy threat in the upcoming few days.

Robbers Ransack Boxship off Guinea. *World Maritime News* [Online]. 22 September 2016. Available from: <http://worldmaritimeweb.com/archives/202428/robbers-ransack-boxship-off-guinea/> Six robbers armed with guns boarded and fired upon the duty crew on board a container ship at Conakry anchorage, Guinea, on Wednesday, September 21, according to IMB.

PORT STATE CONTROL

Enforcement of port state jurisdiction. By Mohammad Rubaiyat Rahman, Lecturer of Law, Bangabandhu Sheikh Mujibur Rahman Science and Technology University. *Daily Star (Bangladesh)* [Online]. 6 September 2016. Available from: <http://www.thedailystar.net/law-our-rights/enforcement-port-state-jurisdiction-1281331> Port conceives pivotal role in international maritime commerce.

Foreign flagged ships under detention in the UK during August 2016. *UK Maritime & Coastguard Agency* [Online]. 9 September 2016. Available from: <https://www.gov.uk/government/news/foreign-flagged-ships-under-detention-in-the-uk-during-august-2016> During August, there was one new detention of foreign flagged vessels in a UK port.

PORTS AND HARBOURS

DP World's Nhava Sheva handles record 20 mn TEU since launch. *Financial Express (India)* [Online]. 31 August 2016. Available from:

<http://www.financialexpress.com/industry/companies/dp-worlds-nhava-sheva-handles-record-20-mn-teu-since-launch/363513/> DP World operated Nhava Sheva International Container Terminal (NSICT) today said it has set a new industry benchmark by handling a record 20 million TEU (twenty foot equivalent unit) since its opening in 1997.

Maritime Researchers and Professionals from Academia and Industry to Represent Singapore at World Port Hackathon. *Maritime and Port Authority of Singapore (MPA)* [Online]. 2 September 2016. Available from:

<http://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/f8ffc8d9-625e-48fd-a740-ba04ad95f883> Three teams of maritime researchers and professionals from academia and industry will pit their skills against some of the world's best at the World Port Hackathon organised by the Port of Rotterdam from September 2-3 at RDM Rotterdam in the Netherlands.

Boat Owners Face Up To World Standards. By Micah George. *The Voice (St. Lucia)*

[Online]. 1 September 2016. Available from: <http://thevoiceslu.com/2016/09/boat-owners-face-world-standards/> Boat operators on the island received quite an earful Tuesday about what is expected of them while operating within the country's sea ports that are compliant with the International Ship and Port Facility Security (ISPS) Code.

The problems facing the new port operators. *Jamaica Observer* [Online]. 31 August 2016.

Available from: http://www.jamaicaobserver.com/columns/The-problems-facing-the-new-port-operators_72482 Having completed the privatisation and redundancy exercise at Kingston Container Terminal Services (KCT), the Port Authority of Jamaica (PAJ) has now set its sights on performing what it considers a regulatory function.

Water drone is Rotterdam's latest port innovation. *Port of Rotterdam* [Online].

1 September 2016. Available from: <https://www.portofrotterdam.com/en/news-and-press-releases/water-drone-is-rotterdams-latest-port-innovation> Ever since the 'insane' plan of Pieter Caland to build the Nieuwe Waterweg, new solutions that make the port of Rotterdam smarter, more efficient, better and more sustainable are thought up constantly.

Port of Antwerp invests for first time in West Africa. *Port of Antwerp* [Online].

1 September 2016. Available from: <http://www.portofantwerp.com/en/news/port-antwerp-invests-first-time-west-africa> The port of Antwerp and the port of San Pedro in Côte d'Ivoire are to collaborate over the next few years to manage further expansion of this West African entrepot.

Uhuru commissions Sh30 billion container terminal at Mombasa port. *The Star (Kenya)*

[Online]. 3 September 2016. Available from: http://www.the-star.co.ke/news/2016/09/03/uhuru-commissions-sh30-billion-container-terminal-at-mombasa-port_c1414089 President Uhuru Kenyatta commissioned a Sh30 billion container terminal at Mombasa Port on Saturday, affirming the government's commitment to upgrade the facility to boost domestic, regional and international trade.

Evergreen Receives Environmental Protection Award from Los Angeles. *Evergreen Line*

[Online]. 8 September 2016. Available from: http://www.evergreen-line.com/tuf1/jsp/TUF1_Html.jsp?page=TBN1_160908.jsp The program rewards vessel operators' compliance with a policy of reducing vessel speeds to 12 knots or less within 40 nautical miles of Point Fermin (near the entrance to the Los Angeles harbor).

Study on ecological risks of hull cleaning operations in Port waters to start in September 2016, says Minister Koonjoo. *Government of Mauritius* [Online]. 14 September 2016.

Available from: <http://www.govmu.org/English/News/Pages/Study-on-ecological-risks-of-hull-cleaning-operations-in-Port-waters-to-start-in-September-2016,-says-Minister-Koonjoo.aspx>

A study on the ecological risks of conducting hull cleaning operations in Port waters will kickstart this month at the initiative of the Ministry of Ocean Economy, Marine Resources, Fisheries, Shipping and Outer Islands and the Mauritius Oceanography Institute.

Container volumes surge 29% at Oman's Port of Salalah. By Kent Gray.

Seatrade Maritime News [Online]. 14 September 2016. Available from: <http://www.seatrade-maritime.com/news/middle-east-africa/container-volumes-surge-29-at-oman%E2%80%99s-port-of-salalah.html> Port of Salalah's strategic location on the Arabian Sea will ensure it continues cashing in on the increasingly large ULCS being deployed on the main Asia-Europe trade lanes, the Omani transshipment hub's ceo David Gledhill predicts.

Cruise lines test Baltic Port Reception Facilities. *Maritime Executive* [Online].

15 September 2016. Available from: <http://maritime-executive.com/article/cruise-lines-test-baltic-port-reception-facilities>

In consultation with the Baltic ports, the Cruise Lines International Association (CLIA) is coordinating a simulation exercise in the Baltic Sea this year to identify mismatches between the needs of ships and the actual availability and adequacy of sewage port reception facilities in the ports of the region.

Rotterdam wants to stay ahead in a changing world. By Victor Schoenmakers and Xander Japin, Port of Rotterdam. *Green Port* [Online]. 20 September 2016. Available from:

<http://www.greenport.com/news101/Projects-and-Initiatives/tackling-climate-change>

With the developments in climate change in our minds, the Port of Rotterdam is entering a new era.

Port of Amsterdam aims to reduce carbon footprint. *Port of Rotterdam* [Online].

16 September 2016. Available from: <http://www.portofamsterdam.com/Eng/Port-of-Amsterdam-aims-to-reduce-carbon-footprint.html> Port of Amsterdam and its partner GoodFuels Marine have launched a pilot project involving the use of sustainable marine biofuel for the Port's own fleet.



German Ports Open to Stranded Hanjin Boxships. *World Maritime News* [Online].

23 September 2016. Available from: <http://worldmaritimeneews.com/archives/202457/report-german-ports-open-to-stranded-hanjin-boxships/> Apart from Germany, Hanjin has had its stay of proceedings requests accepted in Japan, the UK, and the USA, with the decisions from Singapore and Belgium pending.

EPA Releases National Assessment of Strategies to Reduce Air Pollution at Ports.

US Environmental Protection Agency (EPA) [Online]. 22 September 2016. Available from: <https://www.epa.gov/newsreleases/epa-releases-national-assessment-strategies-reduce-air-pollution-ports> An EPA report finds that air pollution at the nation's ports can be reduced significantly at all port types and sizes through a variety of strategies and cleaner technologies.

National Port Strategy Assessment. *US Environmental Protection Agency (EPA)* [Online].

22 September 2016. Available from: <https://www.epa.gov/ports-initiative/national-port-strategy-assessment> Ports are a vital part of the United States economy, with seaports, Great Lakes ports, and inland river ports serving as gateways for moving freight and passengers across the country and around the world. [Executive Summary](#)  [Report](#)  [Appendices](#) 

RECYCLING OF SHIPS

Denmark to ratify the Hong Kong Convention for safe recycling of vessels.

Danmarks Rederiforening (Danish Shipowners' Association) [Online]. 14 September 2016.

Available from: <https://www.shipowners.dk/en/presse/nyheder/denmark-to-ratify-the-hong-kong-convention-for-safe-recycling-of-vessels/> The Danish Minister for the Environment and Food has taken the first steps towards implementing rules for safe recycling of vessels, ensuring that people and the environment on a global scale will be better protected.

Legambiente joins Platform's campaign for sustainable ship recycling.

NGO Shipbreaking Platform [Online]. 19 September 2016. Available from:

<http://www.shipbreakingplatform.org/platform-news-legambiente-joins-platforms-campaign-for-sustainable-ship-recycling/> Legambiente is a non-profit association created in 1980 for the safeguard of the environment and for the promotion of sustainable lifestyles, production systems and use of resources.

The Best Practices in Ship Recycling. By Dr. Anand M. Hiremath, GMS Responsible Ship Recycling Programme (GRSRP).

Green4Sea [Online]. 22 September 2016. Available from:

<http://www.green4sea.com/the-best-practices-in-ship-recycling/> The recycling of end-of-life vessels in an environmentally friendly and safe manner has been a major challenge faced by ship owners and ship recycling facilities in recent years and it is not a subject that will subside any time soon.

REGULATIONS

New shipping container rule implementation delayed. *Dominica Vibes* [Online].

26 August 2016. Available from: <http://www.dominicavibes.dm/business-210170/>

An extension of time has been granted to the Dominica Air and Sea Ports Authority (DASPA) regarding implementation of a new marine shipping safety rule.

Oceanic MD warns ship owners to act now to lessen impact of refrigeration rules.

Ship Management International [Online]. 5 September 2016. Available from:

<http://shipmanagementinternational.com/oceanic-md-warns-ship-owners-to-act-now-to-lessen-impact-of-refrigeration-rules/> The cost of refrigerant and regulatory compliance in the next five years will become as commercially important to vessel operations as regulations governing sulphur emissions are today, warns Robert Chesters, Managing Director of Oceanic Technical Solutions.

MRV compliance – clock ticks on. By Paul Bartlett. *Seatrade Maritime News* [Online].

7 September 2016. Available from: <http://www.seatrade-maritime.com/news/europe/mrv-compliance-%E2%80%93-clock-ticks-on.html>

As many as 10,000 ships of more than 5,000 gt engaged on trades involving port calls in the EU will have to comply with monitoring, reporting and verification (MRV) regulations fast-tracked in Europe ahead of less stringent IMO regulations due to be introduced later.

ExxonMobil: "No One Solution" for Shipowners in the Face of Tightening Emissions Regs. *Ship & Bunker* [Online]. 7 September 2016. Available from:

<http://shipandbunker.com/news/world/239521-exxonmobil-no-one-solution-for-shipowners-in-the-face-of-tightening-emissions-regs> Iain White, Global marketing manager at ExxonMobil Marine (ExxonMobil), says there is "no one solution for shipowners" when it comes to meeting tighter International Maritime Organization (IMO) emission regulations, *Seatrade Maritime* reports.

Carnival takes a swing at regulators. By Gary Howard. *Lloyd's List* [Online]. 6 September 2016. Available from: <https://www.lloydslist.com/ll/sector/ship-operations/article535999.ece> Regulators are out of step with reality and certain shipping regulations were put together "on the hoof", according to Carnival UK chief executive David Dingle.

New ICS Chairman warns against fragmented regulation. By Namrata Nadkarni. *Marine Professional / IMarEST* [Online]. 7 September 2016. Available from: <http://www.imarest.org/themarineprofessional/item/2646-new-ics-chairman-warns-against-fragmented-regulation> New International Chamber of Shipping chairman, Esben Poulsson, has warned against fragmented regulation and 'politicisation' of IMO debates.

Two months with VGM - the issues. By Ian Ackerman, AusIntermodal. *Lloyd's List Australia* [Online]. 9 September 2016. Available from: <https://www.lloydslistaustalia.com.au/lla/market-sectors/law-and-regulation/FREE-Two-months-with-VGM---the-issues-536388.html> The SOLAS verified gross mass (VGM) regulations have been in place for more than two months now – long enough for the transport industry to find many of the kinks in the system.

BWM Convention- the industry comments. *Tanker Operator* [Online]. 12 September 2016. Available from: <http://www.tankeroperator.com/news/bwm-convention--the-industry-comments/7941.aspx> The International Chamber of Shipping (ICS) reiterated that it is now more vital than ever that IMO member states finalise the revision of the G8 Type Approval Guidelines for treatment systems at MEPC 70

BIMCO supports shipowners with concise, practical ballast water management guidance. *Baltic and International Maritime Council (BIMCO)* [Online]. 14 September 2016. Available from: https://www.bimco.org/News/2016/09/14_ballast%20water%20publication.aspx In response to the recent ratification of the International Convention for the Control and Management of Ships' Ballast Water and Sediments (Ballast Water Management Convention), BIMCO and Fathom Maritime Intelligence have published an updated 2016 edition of their practical, step-by-step guidance publication that helps shipowners understand ballast water management requirements.

Trident Alliance: Seeking robust enforcement of sulphur regulations. *Splash 24/7* [Online]. 14 September 2016. Available from: <http://splash247.com/trident-alliance-seeking-robust-enforcement-sulphur-regulations/> The Trident Alliance is a coalition of shipowners and operators working to ensure robust implementation of sulphur regulations.

IMO ballast water convention - A note from Rear Adm. Paul Thomas. *US Coast Guard Maritime Commons* [Online]. 13 September 2016. Available from: <http://mariners.coastguard.dodlive.mil/2016/09/13/imo-ballast-water-convention-rear-adm-thomas/> The International Maritime Organization (IMO) has announced that the International Convention for the Control and Management of Ships' Ballast Water and Sediments (BWM Convention) has been ratified and will now enter into force in September 2017.

BWMC: Is there a way to certainty? By Andreas Zontanos, Argo Navis Marine Consulting & Engineering Ltd. *Green4Sea* [Online]. 15 September 2016. Available from: <http://www.green4sea.com/bwmc-is-there-a-way-to-certainty/> Following last week's end of the IMO BWM Convention ratification "saga", the word "chaos" reappeared in the articles, published in the maritime websites.

Day zero for ballast water treatment. By Alan Deidun. *Times of Malta* [Online].

18 September 2016. Available from:

<http://www.timesofmalta.com/articles/view/20160918/environment/day-zero-for-ballast-water-treatment.625428>

Just over a week ago, Finland ratified the Ballast Water Management Convention (BWMC) drawn up by the IMO (International Maritime Organisation), a specialised agency of the UN.

Cebu Port Authority rewrites rules on verified gross mass. By Liza Almonte.

PortCalls Asia [Online]. 17 September 2016. Available from: <http://www.portcalls.com/cebu-port-authority-rewrites-rules-verified-gross-mass>

The Cebu Port Authority (CPA) has issued a new policy revising the implementation of the Safety of Life at Sea (SOLAS) Convention verified gross mass (VGM) requirement at Cebu ports, designating an authorized cargo-handling service provider to conduct the mandatory weighing.

The Ballast Water Management challenge is the last problem that ship owners needed right now. By Nikos Roussanoglou. *Hellenic Shipping News* [Online]. 20 September 2016.

Available from: <http://www.hellenicshippingnews.com/the-ballast-water-management-challenge-is-the-last-problem-that-ship-owners-needed-right-now/>

The ratification of the BWM Convention, long awaited as though it may have been, still caught the industry by surprise, in that there still are a lot of issues to be ironed out.

President urges signing of oil pollution convention. By Swan Ye Htut. *Myanmar Times*

[Online]. 21 September 2016. Available from: <http://www.mmtimes.com/index.php/national-news/22629-president-urges-signing-of-oil-pollution-convention.html>

On September 16, MPs were invited to debate a request from President U Htin Kyaw to sign the International Convention on Oil Pollution Preparedness, Response and Cooperation (OPRC).

Updated Ballast Water Guide keeps pace with evolving regulatory requirements.

ABS (American Bureau of Shipping) [Online]. 20 September 2016. Available from:

<http://ww2.eagle.org/en/news/press-room/2016/Updated-Ballast-Water-Guide-Keeps-Pace-with-Evolving-Regulatory-Requirements.html>

Expanded Guide helps industry navigate ballast water treatment system design and installation requirements.

Danish shippers want IMO heavy fuel ban in Arctic. By Kevin McGwin.

Alaska Dispatch News [Online]. 21 September 2016. Available from:

<https://www.adn.com/arctic/2016/09/20/danish-shippers-want-imo-heavy-fuel-ban-in-arctic/>

Danish shippers are calling on lawmakers in Copenhagen to push for an international ban on the use of heavy fuel oil in the Arctic.

BWMC: A dry bulk blessing in disguise? Green4Sea [Online]. 28 September 2016.

Available from: <http://www.green4sea.com/bwmc-a-dry-bulk-blessing-in-disguise/>

Following entry into force, all affected ships will be required to install a ballast water treatment system by the first renewal of their International Oil Pollution Prevention Certificate (IOPP), which is due at least every five years, during the vessel's special survey.

SALVAGE

A salvage winner for Smit. *Maritime Journal* [Online]. 31 August 2016. Available from: <http://www.maritimejournal.com/news101/tugs,-towing-and-salvage/a-salvage-winner-for-smit>
Smit Salvage has successfully refloated a drilling rig which stranded on a rocky coastline off Scotland's west coast after breaking adrift from its towing tug.

Salvor Ready During *Crystal Serenity* Voyage. *Maritime Executive* [Online]. 6 September 2016. Available from: <http://maritime-executive.com/article/salvor-ready-during-crystal-serenity-voyage> The *Crystal Serenity* will be the historically largest vessel, and first large luxury cruise ship, to ever sail across the Northwest Passage, and Ardent's Global Preparedness Cover (GPC) will support the safety of this journey.

SEAFARERS

ITF demands stranded *Five Stars Fujian* crew be allowed ashore. By Sam Chambers. *Splash 24/7* [Online]. 30 August 2016. Available from: <http://splash247.com/itf-demands-stranded-five-stars-fujian-crew-allowed-ashore/> The International Transport Workers Federation (ITF) warned today the Chinese stranded crew onboard the *Five Stars Fujian* off Australia must be allowed onshore as supplies run out on the ship.

Varun Shipping hit by another case of crew abandonment. By Sam Chambers. *Splash 24/7* [Online]. 29 August 2016. Available from: <http://splash247.com/varun-hit-another-case-crew-abandonment/> Not for the first time India's Varun Shipping has been shamed by its failure to look after its crew.

Live Animal Export: The seafarer who died in my arms. *Splash 24/7* [Online]. 31 August 2016. Available from: <http://splash247.com/he-died-in-my-arms/> Some companies seem to see seafarers as expendable, as confirmed by so many pirate hostages with no ransoms paid, so many ships abandoned with crews onboard and the owners unable to be found due to the multitude of 'shell' companies that muddy the truth of accountability and duty of care.

Stream Marine Training pledge to aid seafarers. *Sailors' Society* [Online]. 30 August 2016. Available from: <https://www.sailors-society.org/about-us/press-room/stream-marine/> Stream Marine Training has pledged to donate £1 of every Standards of Training, Certification and Watchkeeping for Seafarers (STCW) training course booking it receives to international maritime welfare charity, Sailors' Society.

Seafarers' imprisonment highlights patchy international regulation. By Eva Grey. *Ship-Technology.Com* [Online]. 5 September 2016. Available from: <http://www.ship-technology.com/features/featureseafarers-imprisonment-highlights-patchy-international-regulation-4996170/> A crew of 35 seafarers, including six British ex-soldiers, has been detained in India since October 2013 on the charge of carrying illegal weapons into Indian waters.

Dubai firm blacklisted for abandoning crew. By Sam Chambers. *Splash 24/7* [Online]. 7 September 2016. Available from: <http://splash247.com/dubai-firm-blacklisted-abandoning-crew/> Bahrain has blacklisted Dubai-based shipping company Sea Links Shipping after it abandoned the general cargo vessel, Sea Lord, and 11 crew for almost six months without paying the sailors their wages, according to the Bahrain Ports and Maritime Authority.

Hanjin's Ghost Ships Seek Havens With Food and Water Starting to Dwindle.

By Sohee Kim and Kyunghee Park. *Bloomberg* [Online]. 6 September 2016. Available from: <http://www.bloomberg.com/news/articles/2016-09-06/hanjin-s-ghost-ships-seek-havens-as-food-water-start-to-dwindle> 🗞️ Hanjin is one of the world's biggest shipping lines and filed for bankruptcy protection last week in Seoul.

2017 marks 100 years since Seafarers UK was established. *Seafarers UK* [Online].

September 2016. Available from: <http://www.seafarers.uk/centenary-appeal/centenary-film/> 🗞️ Seafarers UK has produced a new animated film, which uses simple imagery and audio to highlight the charity's illustrious history, its objectives and outputs, and the daily difficulties that seafarers still have to contend with.

Seafarers Hospital Society launches free online mental health and wellbeing service.

International Seafarers' Welfare and Assistance Network (ISWAN) [Online]. 12 September 2016. Available from: <http://seafarerswelfare.org/news-and-media/latest-news/seafarers-hospital-society-launches-free-online-mental-health-and-wellbeing-service> The Seafarers Hospital Society has joined forces with Big White Wall to fund a new online mental health and wellbeing service for serving merchant seafarers.

Should Diversity be Discussed in the Maritime Media? By Wendy Laursen.

Maritime Executive [Online]. 12 September 2016. Available from: <http://www.maritime-executive.com/editorials/should-diversity-be-discussed-in-the-maritime-media> MarEx recently published an article that discussed lesbian, gay, bisexual, transgender and intersex (LGBT+) advocacy at the Port of Oakland.

Marlins and Human Rights at Sea launch new diversity and inclusivity training for seafarers. *Human Rights at Sea (HRAS)* [Online]. 12 September 2016. Available from:

<https://www.humanrightsatsea.org/marlins-and-human-rights-at-sea-launch-new-diversity-and-inclusivity-training-for-seafarers/> Seafarers hail from a wide range of cultures, nationalities and beliefs, as well as representing the full spectrum of gender and sexual orientation.

Unmanned Seafarers' Centres: Pilot Project. *Seafarers' Trust* [Online]. September 2016.

Available from: <http://www.seafarerstrust.org/programmes/unmanned-seafarers-centres-pilot-project/> The Unmanned Seafarers' Centres Pilot Project is a key part of Trust welfare strategy going into 2016 and beyond.

Looking after the Crew – Hanjin's Legacy. *American Journal of Transportation (AJOT)*

[Online]. 12 September 2016. Available from: <https://www.ajot.com/blogs/full/blog-looking-after-the-crew-hanjins-legacy> The transport community is reeling from last week's unexpected bankruptcy.

The strange story of a seized Hanjin ship and its lonely crew. By Andreas Illmer.

BBC News [Online]. 14 September 2016. Available from: <http://www.bbc.co.uk/news/business-37335614> 🗞️ Sprinkled across the oceans around the globe, some 60 of Hanjin Shipping's cargo vessels are stranded at sea after the company filed for bankruptcy two weeks ago.

Over 400,000 PH seafarers benefit from 2 new Marina advisories. *Manila Bulletin* [Online].

15 September 2016. Available from: <http://www.mb.com.ph/over-400000-ph-seafarers-benefit-from-2-new-marina-advisories/> More than 400,000 Filipino seafarers stand to benefit from two major maritime advisories issued last month by the Maritime Industry Authority (Marina), and promptly implemented by the Standards of Training, Certification and Watchkeeping Office (STCW).

Three foreign ships abandoned for months in Vietnamese waters. *Voice of Vietnam Online* [Online]. 17 September 2016. Available from: <http://english.vov.vn/society/three-foreign-ships-abandoned-for-months-in-vietnamese-waters-331288.vov> A delegation from the Vietnam Maritime Administration visited the crew aboard three foreign ships which have been abandoned by their owner – China-based Jumbo Sino Investment Development Ltd., on September 15-16.

In the hurt of the sea. By Ko Dong-hwan. *Korea Times* [Online]. 20 September 2016. Available from: http://www.koreatimes.co.kr/www/news/nation/2016/09/116_214313.html Gloom of migrant seafarers on Korean vessels in the spotlight.

Seafarer abandonment: the shipping industry's darkest side. By Eva Grey. *Ship-Technology.Com* [Online]. 21 September 2016. Available from: <http://www.ship-technology.com/features/featureseafarer-abandonment-the-shipping-industrys-darkest-side-5010026/> The issue of seafarer abandonment affects only a small part of the industry; but, without money or a way of getting home, the abandoned crew suffer inhumane conditions and devastating financial consequences.

Official hails Emirati girls for interest in maritime industry. By Matovu Abdallah Twaha. *Gulf Today (United Arab Emirates)* [Online]. 21 September 2016. Available from: <http://gulftoday.ae/portal/1c127acd-a400-45b7-bd02-1729b2e73426.aspx> The Minister of Public Works and Chairman of the Federal Transport Authority - Land and Maritime - has roundly praised Emirati girls for expressing interest in the maritime industry, a "hitherto forgotten and deserted field for females."

The Mission to Seafarers calls on Hanjin Shipping to think of their seafarers. *Mission to Seafarers* [Online]. 25 September 2016. Available from: <http://www.missiontoseafarers.org/index.php/media-centre/news/315> Ken Peters, Director of Justice and Public Affairs, The Mission to Seafarers, said: "Today we have written a letter offering our support to Hanjin Shipping and their seafarers."

Welfare Organisations and Unions Respond to Hanjin Collapse. *International Seafarers' Welfare and Assistance Network (ISWAN)* [Online]. 23 September 2016. Available from: <http://seafarerswelfare.org/news-and-media/latest-news/welfare-organisations-and-unions-respond-to-hanjin-collapse> The news of Hanjin's recent bankruptcy has raised concerns among welfare organisations and unions about the company's 2500 seafarers who could run out of food, fuel and other essentials.

Union supports cadets stuck on Hanjin containership. *Nautilus International* [Online]. 23 September 2016. Available from: <https://www.nautilusint.org/en/what-we-say/nautilus-news/union-supports-cadets-stuck-on-hanjin-containership/> Nautilus has been providing advice and assistance to four British officer trainees who have been stranded onboard one of the containerships caught up in the collapse of the South Korean shipping company Hanjin.

Women leaders push maritime industry success in Western Visayas. By Lydia C. Pendon. *Sun Star (Philippines)* [Online]. 27 September 2016. Available from: <http://www.sunstar.com.ph/iloilo/local-news/2016/09/26/women-leaders-push-maritime-industry-success-western-visayas-499983> Iloilo is considered as a top supplier of talented and competent seafarers in the world and this could be attributed to the presence of women power leaders in the maritime industry, said Women in Maritime Philippines (Wimaphil) Western Visayas chapter President Ma. Teresa Sarabia.

Seawomen of Iceland. By Wendy Laursen. *Maritime Executive* [Online]. 25 September 2016. Available from: <http://www.maritime-executive.com/features/seawomen-of-iceland> In her latest book *Seawomen of Iceland*, anthropologist and former seafarer Margaret Willson shares the country's rich history and wild beauty through the eyes of the women and men who dedicated their life to the sea.

Vatican urges PHL: Beat back China challenge on ship officers' market.
By Maryn N. Benaning. *Business Mirror (Philippines)* [Online]. 27 September 2016. Available from: <http://www.businessmirror.com.ph/vatican-urges-phl-beat-back-china-challenge-on-ship-officers-market/> It is now the Vatican's turn to give counsel to the Philippine government on the latest dispute between Manila and Beijing: Domination of the world market for seamen.

Cabinet approves India, Korea mutual recognition of certificates for seafarers, 1978.
Business Standard (India) [Online]. 28 September 2016. Available from: <http://goo.gl/TIIFPa> The cabinet has given its approval for signing of an Undertaking between India and Korea on mutual recognition of certificates.

ITF: refusal of shore leave to Hanjin crews 'a denial of human rights'.
International Transport Workers' Federation [Online]. 28 September 2016. Available from: <http://www.itfglobal.org/en/news-events/press-releases/2016/september/itf-refusal-of-shore-leave-to-hanjin-crews-a-denial-of-human-rights/> The issue was revealed when a visit to the chartered vessel Hanjin Marine by ITF inspector Jeff Engels to check on the crew's welfare on Monday (after they had waited three weeks for a berth) revealed that, although the crew are being paid and there is two months' food onboard, the US Customs and Border Protection (CBP) were refusing them shore leave.

SEARCH AND RESCUE

How NGOs took over migrant rescues in the Mediterranean. By Eugenio Cusumano, assistant professor, International Relations, Leiden University. *EU Observer* [Online]. 1 September 2016. Available from: <https://euobserver.com/opinion/134803> The launch of Operation Triton in 2014 shifted the focus of EU efforts in the Southern Mediterranean from Search and Rescue (SAR) to border control.

IMRF lifeboat crew exchange programme will involve 13 European rescue organisations.
International Maritime Rescue Federation [Online]. 19 September 2016. Available from: <http://www.imrfexchange.org/74-exchange-articles/1722-imrf-lifeboat-crew-exchange-programme-will-involve-13-european-rescue-organisations> For the fifth consecutive year, rescue volunteers from European nations are to participate next week in a seven day Lifeboat Crew Exchange Programme organised by the International Maritime Rescue Federation (IMRF).

Operation Sophia extension: effectiveness and consequence (Part 1/3).
By Melanie Glodkiewicz. *Sea-Watch* [Online]. 23 September 2016. Available from: <https://hras-seawatch.org/2016/09/23/operation-sophia-extension-effectiveness-and-consequence-part-13/> As part of the aim to protect the European Union's southern borders, Operation Sophia was established in May 2015 by the Council Decision (CFSP) 2015/778 with a mandate to help identify and neutralise all vessels that were part of human smuggling and other criminal activities in the central-southern Mediterranean.

IMRF Launches 'Keep Children in the Mediterranean Afloat' Campaign.

International Maritime Rescue Federation [Online]. 26 September 2016. Available from: <http://international-maritime-rescue.org/10-news/2223> Lifejackets have been donated by ActionAid to the International Maritime Rescue Federation to send to the Mediterranean to help adults and children who need rescuing on a daily basis.

SHIPBUILDING AND SHIPREPAIR

Wärtsilä Ballast Water Management Systems chosen by Maersk Tankers for three tanker newbuildings.

Wärtsilä Corporation [Online]. 31 August 2016. Available from: <http://www.wartsila.com/media/news/31-08-2016-wartsila-ballast-water-management-systems-chosen-by-maersk-tankers-for-three-tanker-newbuildings> Maersk Tankers A/S of Denmark has selected Wärtsilä's Electro Chlorination (EC) Ballast Water Management System (BWMS) for three new 50,000 DWT medium range (MR) tankers being built at the Samsung Heavy Industries (Ningbo) yard in China.

Bureau Veritas classes first newbuilding LNG-fuel oil/chemical tanker built by Avic for Terntank Rederi AS.

Bureau Veritas [Online]. 30 August 2016. Available from: <http://www.bureauveritas.com/home/news/business-news/first-newbuilding-lng-fuel-oil-chemical-tanker-classed-by-bureau-veritas> Leading international classification society Bureau Veritas has classed the first LNG-fuelled newbuilding oil/chemical tanker, the 15,000 dwt Ternsund, built under BV class at Avic Dingheng, China and delivered to Denmark's Terntank Rederi at the end of June 2016.

Höegh enters the cyber revolution with New Horizon vessels. *Höegh Autoliners* [Online]. 31 August 2016. Available from: <http://goo.gl/GMgP0y> When Höegh Autoliners ordered the latest additions to our fleet, the New Horizon vessels, we were determined to make them the best in their field, from hull design to technical installations.

Russia Develops Shipbuilding Capacity in Far East.

Maritime Executive [Online]. 4 September 2016. Available from: <http://maritime-executive.com/article/russia-develops-shipbuilding-capacity-in-far-east> Russia's president Vladimir Putin met with local officials last week to highlight the development of the shipbuilding industry in the Russian Far East.

Peace Boat and DNV GL sign Ecoship collaboration agreement.

By Nikos Späth. DNV GL [Online]. 6 September 2016. Available from: <https://www.dnvgl.com/news/peace-boat-and-dnv-gl-sign-ecoship-collaboration-agreement-74668> At the SMM trade fair today, Peace Boat, the Japan-based international non-profit NGO, and classification society DNV GL signed a memorandum of understanding (MOU) forming a partnership to develop the Ecoship cruise ship.

Carnival Corporation to Build Three New LNG-Powered Cruise Ships with Meyer Werft and Meyer Turku.

Carnival Corporation & Plc [Online]. 6 September 2016. Available from: <http://www.carnivalcorp.com/phoenix.zhtml?c=140690&p=irol-newsArticle&ID=2199512> World's largest leisure travel company signs new agreement with leading German and Finnish shipbuilders to deliver two new cruise ships for Carnival Cruise Line and one new cruise ship for P&O Cruises UK through 2022.

Carbon Fiber Vessel Wins SMM Ship of the Year.

Maritime Executive [Online]. 7 September 2016. Available from: <http://www.maritime-executive.com/article/carbon-fiber-vessel-wins-smm-ship-of-the-year> *Vision of The Fjords*, a futuristic carbon fiber tourist vessel operated by The Fjords DA, has won the coveted Ship of the Year 2016 accolade at SMM in Hamburg.

BIMCO: New Ship Orders at Lowest in 20 Years. *gCaptain* [Online]. 13 September 2016.

Available from: <https://gcaptain.com/bimco-new-ship-orders-at-lowest-in-20-years/>

The shipyards become the next victim of the deteriorating conditions in the dry bulk, container and offshore markets as 2016 looks to set the record for the lowest newbuilding contracts in more than 20 years.

China shipbuilders log 18.7% rise in new orders in first eight months. By Lee Hong Liang.

Seatrade Maritime News [Online]. 19 September 2016. Available from: [http://www.seatrade-](http://www.seatrade-maritime.com/news/asia/china-shipbuilders-log-187-rise-in-new-orders-in-first-eight-months.html)

[maritime.com/news/asia/china-shipbuilders-log-187-rise-in-new-orders-in-first-eight-months.html](http://www.seatrade-maritime.com/news/asia/china-shipbuilders-log-187-rise-in-new-orders-in-first-eight-months.html)

China's shipyards saw newbuilding orders rise 18.7% year-on-year in the first eight months of this year amidst the industry slump, according to figures from China Association of the National Shipbuilding Industry (Cansi).

Global LNG bunker sales may gain 24% by 2025. By Surabhi Sahu. *Bunkerworld* [Online].


23 September 2016. Available from: [http://www.bunkerworld.com/news/FEATURE-Global-](http://www.bunkerworld.com/news/FEATURE-Global-LNG-bunkering-sales-may-grow-upto-24-by-2025-on-maritime-policies-143022)

[LNG-bunkering-sales-may-grow-upto-24-by-2025-on-maritime-policies-143022](http://www.bunkerworld.com/news/FEATURE-Global-LNG-bunkering-sales-may-grow-upto-24-by-2025-on-maritime-policies-143022)

Global sales of LNG as a marine fuel could rise by up to 24% to reach as high as 25 million mt/year by 2025, reflecting increased demand for LNG bunkering due to regulations by the International Maritime Organization and climate change initiatives by the United Nations.

World's Fastest Ship Design. *World Maritime News* [Online]. 29 September 2016.

Available from: [http://worldmaritimenews.com/archives/202876/video-worlds-fastest-ship-](http://worldmaritimenews.com/archives/202876/video-worlds-fastest-ship-design/)

[design/](http://worldmaritimenews.com/archives/202876/video-worlds-fastest-ship-design/)  The video above explains how the industry works to reduce the speeds in order to increase the number of ships and enlarge steel production and shipbuilding.

SHIPPING

How Britain sank its shipping industry by waiving the rules. By Polly Toynbee.

The Guardian [Online]. 30 August 2016. Available from:

<https://www.theguardian.com/commentisfree/2016/aug/30/malaviya-twenty-britain-sank-shipping-industry>

This is a story about the fate of shipping in Britain – an often forgotten industry, though we depend on it for over 90% of our imports and exports, and for most of what is stacked on supermarket shelves.


Efficient ships save millions but the market fails to reward the owners. *Carbon War Room*

[Online]. 30 August 2016. Available from: [http://carbonwarroom.com/news/2016/08/29/news-](http://carbonwarroom.com/news/2016/08/29/news-efficient-ships-save-millions-market-fails-reward-owners)

[efficient-ships-save-millions-market-fails-reward-owners](http://carbonwarroom.com/news/2016/08/29/news-efficient-ships-save-millions-market-fails-reward-owners)

Researchers from UCL Energy Institute (UCL) and Carbon War Room (CWR) today confirmed that vessels with high design efficiency leave millions in the pockets of fuel payers.

Revealed preferences for energy efficiency in the shipping markets: Prepared for Carbon War Room. *University College London (UCL)* [Online]. August 2016. Available from:

<http://goo.gl/hRHxZK>  This study assesses whether there is sufficient evidence to suggest

that the revenue and operational performance of vessels in the dry bulk and tanker markets are influenced by their greenhouse-gas (GHG) emissions ratings as a proxy for energy efficiency.

Ghana Shippers' House Inaugurated. By Romeo Adzah Dowokpor. *News Ghana* [Online].

29 August 2016. Available from: [https://www.newsghana.com.gh/ghana-shippers-house-](https://www.newsghana.com.gh/ghana-shippers-house-inaugurated/)

[inaugurated/](https://www.newsghana.com.gh/ghana-shippers-house-inaugurated/) Delivering the keynote address, the Minister of Transport, Mr Fiifi Fiavi Kwetey who stood in for President John Mahama, commended the management and staff of the Authority for taking the bold initiative to building the \$16.5 million state of the art edifice.

Maritime sector offers women scope. By Mia Moorcroft. *Zululand Observer (South Africa)* [Online]. 29 August 2016. Available from: <http://zululandobserver.co.za/122183/maritime-sector-offers-women-scope/> Deputy Minister encourages local female learners to tap into the thriving maritime industry

SMM to focus on digitalisation. *Marine Propulsion* [Online]. 26 August 2016. Available from: http://www.mpropulsion.com/news/view,smm-to-focus-on-digitalisation_44326.htm More than 2,100 exhibitors have registered and over 50,000 industry visitors from some 100 nations are expected to attend.

New director quits UK Ship Register. By Janet Porter. *Lloyd's List* [Online]. 26 August 2016. Available from: <https://www.lloydslist.com/ll/sector/ship-operations/article534730.ece> Simon Barham has quit as director of the UK Ship Register after just a few months in the newly created role.

DNV GL supports the deployment of LNG as alternative fuel with EU study and tools. By Astrid Folkvord Janbu. *DNV GL* [Online]. 31 August 2016. Available from: <https://www.dnvgl.com/news/dnv-gl-supports-the-deployment-of-lng-as-alternative-fuel-with-eu-study-and-tools-74113> The market study is being carried out on behalf of the CORE LNGas hive project which is co-funded by the European Commission.

MOL Group, Yokohama National University to Launch Joint Study on Practical Use of Big Data for Ocean Shipping. *Mitsui O.S.K. Lines Ltd.(MOL)* [Online]. 30 August 2016. Available from: <http://www.mol.co.jp/en/pr/2016/16047.html> The joint study is aimed at developing the capability to analyze data related to economics and maritime affairs and forecast the ocean shipping market and bunker prices with greater accuracy by using artificial intelligence (AI) in cooperation with Professor Tomoharu Nagao of the university's Graduate School of Environment and Information Sciences.

Carnival Cruise Ship Swamps Marina With Wake. *Maritime Executive* [Online]. 30 August 2016. Available from: <http://maritime-executive.com/article/video-carnival-cruise-ship-swamps-marina-with-wake> On departure from its berth in Messina, Sicily on Sunday, the Carnival Vista - Carnival Cruise Line's newest ship - destroyed a concrete boat pier with prop wash from its thrusters, sinking several small craft.

Hanjin ships, cargo and sailors stranded at sea. By Andreas Illmer. *BBC News* [Online]. 1 September 2016. Available from: <http://www.bbc.co.uk/news/business-37241727> With South Korea's biggest shipping company filing for bankruptcy protection, the vessels, sailors and cargo of Hanjin Shipping are stuck in limbo, stranded at sea.

MEPs want shipping included in 2030 emissions target through ETS 'climate fund'. *Transport & Environment* [Online]. 5 September 2016. Available from: <http://goo.gl/44rgk8> A proposal to include emissions from shipping in the EU's 2030 emissions reduction target through the EU emissions trading system (ETS) has gained cross-party support among MEPs.

South Korea scrambles to contain fallout from Hanjin shipping collapse. By Charles Lee. *Bunkerworld* [Online]. 2 September 2016. Available from: <http://www.bunkerworld.com/news/142793> South Korea is scrambling to minimize the fallout from the collapse of Hanjin Shipping by making rival Hyundai Merchant Marine send out more ships and acquire Hanjin's key assets, company and government sources said Friday.

Female Maritime Industry Leaders In Grand Cayman For Historic Conference. *The Gleaner (Jamaica)* [Online]. 6 September 2016. Available from: <http://jamaica-gleaner.com/article/shipping/20160906/female-maritime-industry-leaders-grand-cayman-historic-conference> A delegation of Jamaican female maritime industry professionals is attending a landmark conference hosted by the Maritime Authority of the Cayman Islands.

Digitalisation, climate protection, financing Alfred Hartmann names the three major challenges facing shipowners. *German Shipowners' Association (Verband Deutscher Reeder, VDR)* [Online]. 5 September 2016. Available from: <http://www.reederverband.de/en/press/press-release/artikel/digitalisation-climate-protection-financing.html> "The three great challenges faced by the maritime shipping industry are digitalisation, climate protection and financing," said Alfred Hartmann, President of the German Shipowners' Association (VDR) at the SMM 2016, the leading trade fair of the maritime sector, in Hamburg.

ABS Releases Industry-Leading Guidance for Container Ships. *ABS (American Bureau of Shipping)* [Online]. 5 September 2016. Available from: <http://ww2.eagle.org/en/news/press-room/2016/ABS-Releases-Industry-Leading-Guidance-for-Container-Ships.html> ABS, a leading provider of classification and technical services to the global marine and offshore industries, has released two new tools specifically focused on assisting the Container Ship sector with pressing operational challenges.

On Arctic voyage, Russian security boss talks up Northern Sea Route. *By Atle Staalesen. Independent Barents Observer (Norway)* [Online]. 5 September 2016. Available from: <http://www.thebarentsobserver.com/arctic-industry-and-energy/2016/09/arctic-voyage-russian-security-boss-speaks-northern-sea-route> According to Patrushev, shipping volumes along the route could increase many-fold to as much as 65 million tons already by year 2020.

Review of Black Sea container market in H1'2016. *Port News* [Online]. 2 September 2016. Available from: <http://en.portnews.ru/comments/2189/> In H1'2016, Black Sea container terminals of Romania, Ukraine, Russia, Georgia and Bulgaria handled 1,222,326 TEUs, including empty containers and excluding transshipment.

Prepare for a more complex fuel mix, gmec delegates told. *By Paul Bartlett. Seatrade Maritime News* [Online]. 7 September 2016. Available from: <http://www.seatrade-maritime.com/news/europe/prepare-for-a-more-complex-fuel-mix-gmec-delegates-told.html> The shipping industry should prepare for a multi-fuel future, a panel of experts agreed in the gmec conference at SMM yesterday.

Bureau Veritas Classes First Containership LNG Fuel Conversion. *Bureau Veritas* [Online]. 6 September 2016. Available from: <http://www.bureauveritas.com/home/news/business-news/first-containership-lng-fuel-conversion-classed-by-bureau-veritas> Haren/Ems-based Wessels Reederei is to convert one of its fleet of 1,036 teu container vessels to LNG as fuel.

Why shipping's gender imbalance must change. *By Nicholas Fisher, Masterbulk. Splash 24/7* [Online]. 6 September 2016. Available from: <http://splash247.com/shippings-gender-imbalance-must-change/> I was recently asked to comment for a Splash article on the issue of industry attitudes to female seafarers.

Wärtsilä presents its 'visions of future shipping'. *Wärtsilä Corporation* [Online]. 6 September 2016. Available from: <http://www.wartsila.com/media/news/06-09-2016-wartsila-presents-its-visions-of-future-shipping> The work on future visions has been prompted by the inevitable effect that growing global energy demand and increasingly stringent environmental legislation to combat climate change will have on the shipping sector.

Arctic Ocean shipping routes 'to open for months'. By Jonathan Amos. *BBC News* [Online]. 6 September 2016. Available from: <http://www.bbc.co.uk/news/science-environment-37286750> Shipping routes across the Arctic are going to open up significantly this century even with a best-case reduction in CO2 emissions, a new study suggests.

Shipping efficiency at half its peak, claims Stopford. By Gary Howard. *Lloyd's List* [Online]. 6 September 2016. Available from: <https://www.lloydslist.com/ll/sector/ship-operations/article536034.ece> The shipping industry is now half as efficient at transporting cargo than at its peak in 1973, according to Clarksons Research Services president Martin Stopford at SMM in Hamburg.

Shipping's involvement in the refugee crisis is bittersweet, says ICS. By Holly Birkett. *Splash 24/7* [Online]. 7 September 2016. Available from: <http://splash247.com/shipping-involvement-refugee-crisis-bittersweet-says-ics/> The pressure exerted on merchant shipping by the refugee crisis in the Mediterranean is easing off, according to latest figures, but the secretary-general of the International Chamber of Shipping (ICS) has expressed disappointment that the death toll is rising.

BIMCO is "deeply concerned" that the IMO Ballast Water Convention will enter into force leaving shipowners without treatment systems approved for global use. *Baltic and International Maritime Council (BIMCO)* [Online]. 8 September 2016. Available from: https://www.bimco.org/News/2016/09/08/IMO_Ballast_Water_Convention_entering_into_force_in_September_2017.aspx The shipping industry need no longer speculate on a possible future date for the IMO Ballast Water Convention.

Shipping industry prepares for looming climate tax. By Megan Darby. *Climate Home* [Online]. 7 September 2016. Available from: <http://www.climatechangenews.com/2016/09/07/shipping-industry-prepares-for-looming-climate-tax/> The UN's International Maritime Organization has no immediate plans to put a carbon price on the bunker fuel used by ships.

Shipping faces enormous challenges ahead of global 0.5% sulphur cap. By Lee Hong Liang. *Seatrade Maritime News* [Online]. 7 September 2016. Available from: <http://www.seatrade-maritime.com/news/americas/shipping-faces-enormous-challenges-ahead-of-global-05-sulphur-cap.html> The shipping industry has to be prepared for challenges on an unprecedented scale ahead of IMO's strictest global fuel sulphur content limit, and a clearer indication on the direction of that regulation will be heard in October this year, according to the International Bunker Industry Association (IBIA).

North Pole shipping could become year-long reality by end of century. *University of Reading* [Online]. 7 September 2016. Available from: <http://www.reading.ac.uk/news-and-events/releases/PR697913.aspx> LINK is not working neither the one of the home page - I'm monitoring it Reductions in sea ice in the Arctic could lead to quicker and more regular shipping directly across the North Pole, according to new research from the University of Reading.

Shrink the big container ship to fit the world. By John Gapper. *Financial Times* [Online]. 7 September 2016. Available from: <https://www.ft.com/content/823371fc-743e-11e6-b60a-de4532d5ea35> Shipping companies such as Hanjin have not been through a crisis quite as intense in their history

Quotes about the future of shipping from SMM 2016. *Seatrade Maritime News* [Online]. 9 September 2016. Available from: <http://www.seatrade-maritime.com/news/europe/quotes-about-the-future-from-smm-2016.html> We take a look back at who said what on Seatrade Maritime News' live coverage of SMM 2016 and how senior executives see the future of shipping.

NIMASA D-G lauds Nigeria's leadership of African Maritime Journalists' Association. By Popoola Babalola. *The Eagle (Nigeria)* [Online]. 8 September 2016. Available from: <http://theeagleonline.com.ng/nimasa-d-g-lauds-nigerias-leadership-of-african-maritime-journalists-association/> The Director-General, Nigerian Maritime Administration and Safety Agency, Dr. Dakuku Peterside, has commended the leadership role of Nigeria in the African Maritime Journalists' Association.

LR launches unique Polar Code offer at SMM. *Lloyd's Register* [Online]. 8 September 2016. Available from: <http://www.lr.org/en/news-and-insight/news/LR-launches-unique-Polar-Code-offer-at-SMM.aspx> Speaking today at SMM on the technology and regulation challenges for Arctic Shipping, Rob Hindley, LR's Global Principal Specialist – Arctic Technology, welcomed the new Polar Code as a well-needed baseline of international requirements for shipping in all polar regions if consistently applied. [Polar Code interactive toolkit](#)

New BN cylinder oil widens vessel operating possibilities. By Namrata Nadkarni. *Marine Professional / IMarEST* [Online]. 8 September 2016. Available from: <http://www.imarest.org/themarineprofessional/item/2655-breaking-news-new-bn-cylinder-oil-widens-vessel-operating-possibilities> Oil and lubricant manufacturer Shell Marine's new 140BN (base number - i.e. alkalinity level) cylinder oil may be designed for onboard mixing, but creates a business case for vessels to operate using fuels with very high sulphur levels (of 5-7%).

What about the ships? By Anastassios Adamopoulos. *Lloyd's List* [Online]. 8 September 2016. Available from: <https://www.lloydslist.com/ll/sector/ship-operations/article536277.ece> The fallout from Hanjin's bankruptcy and the daily developments that accompany it dominate the interest of the shipping world.


Bunker Sector Not Ready for 0.5% Sulfur Cap in 2020, Says KPI Bridge Oil. *Ship & Bunker* [Online]. 12 September 2016. Available from: <http://shipandbunker.com/news/world/163253-bunker-sector-not-ready-for-05-sulfur-cap-in-2020-says-kpi-bridge-oil> Mark Emmett, managing director of KPI Bridge Oil Singapore, says that the bunker industry is not ready for a 0.5 percent global cap on the sulfur content of marine fuels to be implemented in 2020.

Flying the flag for women leaders in shipping. By Grace Leong. *Straits Times* [Online]. 12 September 2016. Available from: <http://www.straitstimes.com/business/flying-the-flag-for-women-leaders-in-shipping> The global downturn has hit the shipping industry hard - South Korea's Hanjin Shipping being the latest victim - but Shell executive Catherine Hall sees a silver lining amid the dark clouds.

The global shipping industry's woes. *The Economist* [Online]. 9 September 2016. Available from: <http://www.economist.com/blogs/graphicdetail/2016/09/daily-chart-6> Last week, Hanjin Shipping, South Korea's biggest container carrier and the world's seventh-largest, filed for receivership.

Sir John Franklin's long-lost HMS Terror believed found. By Garrett Hinchey.

Canadian Broadcasting Corporation (CBC) [Online]. 12 September 2016. Available from:

<http://www.cbc.ca/news/canada/north/hms-terror-found-1.3758400>  A video shared with CBC News and produced by the Arctic Research Foundation appears to show images of the submerged HMS Terror - one of British explorer Sir John Franklin's two ships lost in the doomed 1845 Franklin Expedition - in a Nunavut bay.

IMC 2030 Advisory Committee formed to chart future directions of Singapore's

International Maritime Centre. *Maritime and Port Authority of Singapore (MPA)* [Online].

14 September 2016. Available from: [http://www.mpa.gov.sg/web/portal/home/media-](http://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/ab6fd580-e101-4f7d-977d-2d129cd73b5a)

[centre/news-releases/detail/ab6fd580-e101-4f7d-977d-2d129cd73b5a](http://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/ab6fd580-e101-4f7d-977d-2d129cd73b5a) The Maritime and Port Authority of Singapore (MPA) has established the International Maritime Centre 2030 (IMC 2030) Advisory Committee to chart the future directions of Singapore's IMC. Mr Andreas Sohmen-Pao, Chairman of BW Group, has been appointed as the Chairman of this committee.

Shipping the 'steam engine of world economy', Demetriades says. *Cyprus Mail* [Online].

13 September 2016. Available from: [http://cyprus-mail.com/2016/09/13/shipping-steam-engine-](http://cyprus-mail.com/2016/09/13/shipping-steam-engine-world-economy-demetriades-says/)

[world-economy-demetriades-says/](http://cyprus-mail.com/2016/09/13/shipping-steam-engine-world-economy-demetriades-says/) Transport Minister Marios Demetriades said that despite the financial crisis, shipping continued to be the steam engine of the world economy.

The latest on the Hanjin Shipping saga. *CNBC* [Online]. 12 September 2016. Available from:

<https://uk.finance.yahoo.com/video/latest-hanjin-shipping-saga-005900085.html> 

The overall shipping industry in South Korea, not just Hanjin Shipping, will shrink, says Kiwoom Securities' Daniel Yoo.

ICS Pilotage, Towing and Mooring Survey 2016 Now Underway.

International Chamber of Shipping (ICS) [Online]. 15 September 2016. Available from:

<http://goo.gl/PB8E94> The role of the pilot in mitigating the potential economic and environmental risk from today's large vessels is one of the most important in maritime safety.

VV: One in Six Merchant Vessels Now Worth Scrap. *Maritime Executive* [Online].

14 September 2016. Available from: [http://maritime-executive.com/article/vv-one-in-six-](http://maritime-executive.com/article/vv-one-in-six-merchant-vessels-now-worth-scrap)

[merchant-vessels-now-worth-scrap](http://maritime-executive.com/article/vv-one-in-six-merchant-vessels-now-worth-scrap) In an analysis released Wednesday, VesselsValue.com (VV) calculated that as of August, roughly one in six merchant vessels worldwide were worth their demolition value – a reflection of the dire state of the offshore, dry bulk and container markets.

Kenya's first survey ship embarks on 5-day cruise along South Coast. By Philip Mwakio.


Standard Digital Kenya [Online]. 15 September 2016. Available from:

<http://www.standardmedia.co.ke/article/2000216018/kenya-s-first-survey-ship-embarks-on-5-day-cruise-along-south-coast> The ship, which was donated to the Kenya Marine and Fisheries Research Institute (Kemfri) by the Belgian government in 2014, embarked on its third sea voyage on Monday after it was fitted with the new gadgets at Seco dockyard at the Mombasa port.

Wärtsilä has been proactive in preparing for ratified ballast water convention.

Wärtsilä Corporation [Online]. 14 September 2016. Available from:

<http://www.wartsila.com/media/news/14-09-2016-wartsila-has-been-proactive-in-preparing-for-ratified-ballast-water-convention> Wärtsilä has proactively planned and developed its range of Ballast Water Management System (BWMS) solutions in anticipation of the ratification of the International Maritime Organization's (IMO) ballast water convention.

Kathy Metcalf, President and CEO at Chamber of Shipping of America. *Shipping Podcast* [Online]. September 2016. Available from: <http://shippingpodcast.com/kathy-metcalf-president-ceo-chamber-shipping-america/>  Kathy graduated in June 1978 with highest honors from the US Merchant Marine Academy with a Bachelor of Science in Marine Transportation and Nautical Sciences.

History of crimes, ineptitude for Cambodia's flag of convenience scheme. By Jack Davies and Daniel Nass. *Phnom Penh Post (Cambodia)* [Online]. 16 September 2016. Available from: <http://www.phnompenhpost.com/national/history-crimes-ineptitude-cambodias-flag-convenience-scheme> The Cambodian shipping register rescinded hundreds of so-called flags of convenience last month.

Greek government aims to 're-shape shipping' in the country. By David Glass. *Seatrade Maritime News* [Online]. 15 September 2016. Available from: <http://www.seatrade-maritime.com/news/europe/greek-government-aims-to-re-shape-shipping-in-the-country.html> Greek Shipping and Island Policy minister, Thodoris Dritsas has reiterated the government's aim is to "re-shape shipping" to reflect the national character of the country's shipping industry and this includes a new collective labour agreement.

Dozens of vessel abandonments not reported to ILO, insurers warned. By David Osler. *Lloyd's List* [Online]. 16 September 2016. Available from: <https://www.lloydslist.com/ll/sector/ship-operations/article537023.ece> At least two dozen cases of non-payment of seafarers' wages and/or vessel abandonment worldwide have been reported in the media in the last six months, but none of them has been listed on the voluntary International Labour Organisation database, research has indicated.

Raising awareness on the indispensability of shipping. By Brenda V. Pimentel. *Manila Times* [Online]. 17 September 2016. Available from: <http://www.manilatimes.net/raising-awareness-on-the-indispensability-of-shipping/286237/> The port of Batumi, Georgia's maritime center, hosted the Georgia International Maritime Forum (GIMF) this week under the patronage of Prime Minister Giorgi Kvirikashvili.

Shipping must improve risk management. *Tanker Operator* [Online]. 16 September 2016. Available from: <http://www.tankeroperator.com/ViewNews.aspx?NewsID=7968> Not enough companies in the shipping industry are following joined-up risk management procedures, claimed accountant and shipping adviser, Moore Stephens.

The dawn of the age of the onboard 'Compliance Officer'? By Michael Grey. *Seatrade Maritime News* [Online]. 19 September 2016. Available from: <http://goo.gl/VrfyIp> It might seem daft to even suggest it, but the day could be approaching when every ship will have to employ, as an important member of her crew, a "Compliance Officer".

All Hanjin Shipping chartered vessels to be returned to owners after unloading-judge. By Joyce Lee. *Reuters* [Online]. 19 September 2016. Available from: <http://in.reuters.com/article/hanjin-shipping-debt-idINKCN11P0EC> All Hanjin Shipping Co Ltd chartered vessels that have completed unloading their cargo have been told to cancel their charter agreements and return the ships to the shipowners, a South Korean judge said on Monday.

Sailing towards clean shipping? *Pan European Networks* [Online]. 21 September 2016. Available from: <http://www.paneuropeannetworks.com/government/sailing-towards-clean-shipping-2/> Transport & Environment's Sotiris Raptis considers how an EU fund could curb shipping emissions and support efficiency improvements.

World fleet has grown 50% since crisis: Clarksons. By Bob Jaques.

Seatrade Maritime News [Online]. 21 September 2016. Available from: <http://www.seatrade-maritime.com/news/americas/world-fleet-has-grown-50-since-crisis-clarksons.html> The world fleet has grown 50% since the financial crisis in 2008 and now stands at some 9,000 ships of 1.2bn gt and 1.8bn dwt currently worth about \$650bn, with a further \$190bn worth of tonnage on order (excluding offshore).

Isle of Man Ship Registry announces 'game changing' consultation. Hellenic Shipping

News [Online]. 22 September 2016. Available from: <http://www.hellenicshippingnews.com/isle-of-man-ship-registry-announces-game-changing-consultation/> The proposed changes will provide full delegation of statutory surveys and inspections to Classification Societies as well as providing a new programme of Flag State Inspections to satisfy international Flag State obligations to the International Maritime Organisation.

Progress update on strategic review and change of management. Maersk [Online].

22 September 2016. Available from: <http://investor.maersk.com/releasedetail.cfm?ReleaseID=990434> As announced on 23 June 2016, the Board of Directors has tasked the management of A.P. Møller - Mærsk A/S to perform a review focusing on the strategic and structural options for the Maersk Group with the objective of generating growth, increasing agilities and synergies and unlocking and maximising shareholder value with the long-term view.

Maersk plans split of energy, transport businesses. Bloomberg [Online].

22 September 2016. Available from: <http://www.bloomberg.com/news/videos/2016-09-22/maersk-plans-split-of-energy-transport-businesses> A.P. Moeller-Maersk A/S plans to separate its transport and energy businesses as part of a corporate shake up.

Med could benefit from more expedition ships as Polar Code compliance nears.

Seatrade Cruise News [Online]. 21 September 2016. Available from: <http://www.seatrade-cruise.com/news/news-headlines/med-could-benefit-from-more-expedition-ships-as-polar-code-compliance-nears.html> With new Polar Code compliance on the horizon at the beginning of 2017, many of the expedition ships currently sailing in the Arctic and Antarctic will disappear from these regions within five years and could end up in the Mediterranean or be scrapped, ship finance guru Hugo Modderman, md of Dolfinance, commented.

Iran to hold Int'l Sea Expo. Islamic Republic News Agency - IRNA (Iran) [Online].

21 September 2016. Available from: <http://www.irna.ir/en/News/82238659/> The 4th International Sea Expo will be held in Tehran on September 24 in presence of companies from nine foreign states.


MARACAD 2016: Exchange of ideas and opinions concerning the challenges facing maritime education and training sector. Emirates Newswire [Online]. 20 September 2016.

Available from: <http://goo.gl/ssxw7f> His Excellency Dr. Abdullah Bin Mohammed Belhaif Al Nuaimi, Minister of Infrastructure, Chairman of the Federal Transport Authority - Land and Maritime (FTA) today inaugurated the second edition of MARACAD 2016 the Maritime Academic Conference and Expo at Sheikh Maktoum Hall, Dubai International Convention and Exhibition Centre.

A blue horizon. By Christopher Tytgat, Secretary General, SEA Europe.

Pan European Networks [Online]. 23 September 2016. Available from: <http://www.paneuropeannetworks.com/government/a-blue-horizon/> While the maritime sector may be essential to the effective functioning of the European and global economy – transporting goods and people – it is clear that the sector faces multiple challenges today.

EcoCoaster sets short-sea efficiency benchmark. *The Motorship* [Online]. 22 September 2016. Available from: <http://www.motorship.com/news101/ships-and-shipyards/ecocoaster-sets-short-sea-efficiency-benchmark> Amid the pervasive and often exaggerated claims as to the environmental compatibility of many new vessels, there are projects which signify true progression in ecological standards.

Maritime UK presents industry Brexit priorities. *Maritime UK* [Online]. 22 September 2016. Available from: <https://www.maritimeuk.org/news/news-maritime-uk-presents-industry-brexit-priorities/> As the fundamental enabler of international trade, the maritime industry sees huge opportunities from Brexit and recognises the significant responsibility it has in ensuring Britain is open for business, and can make a success of leaving the EU. [Maritime UK Brexit Priorities](#) 

Jamaica Celebrates Maritime Awareness Week. *The Gleaner (Jamaica)* [Online]. 27 September 2016. Available from: <http://jamaica-gleaner.com/article/shipping/20160927/jamaica-celebrates-maritime-awareness-week> Jamaica joins the rest of the international maritime community this week to celebrate the annual Maritime Awareness Week from September 25-29, under the theme 'Shipping - Indispensable to the World'.

Saudi shipping industry main player in fulfilling 'Vision 2030' objectives. *Hellenic Shipping News* [Online]. 27 September 2016. Available from: <http://www.hellenicshippingnews.com/saudi-shipping-industry-main-player-in-fulfilling-vision-2030-objectives/> Plans are on the anvil to link King Abdul Aziz Seaport in Dammam and Jubail Industrial Port through the rail line over the next few years, according to Dr. Nabil Al-Amoudi, Chairman of the Saudi Port Authority who delivered a keynote address at a shipping conference at Al-Sharqiya Chamber.

Al Zubara Discharges at London Gateway Port. *World Maritime News* [Online]. 27 September 2016. Available from: <http://worldmaritimeneeds.com/archives/202678/> In today's spotlight we bring you an image of *MV Al Zubara*, one of the world's largest containerships, discharging at DP World's London Gateway Port last weekend.

World Maritime Day 2016 and the imperative of harnessing Nigeria's maritime potentials. **By Bolaji Akinola.** *Ships & Ports* [Online]. 29 September 2016. Available from: <http://shipsandports.com.ng/world-maritime-day-2016-and-the-imperative-of-harnessing-nigerias-maritime-potentials/> The World Maritime Day is recognized by the United Nations as a day set aside to celebrate the contribution of shipping to the global economy.

Second successive quarterly rise in shipping confidence. **By Richard Greiner.** *Moore Stephens* [Online]. 26 September 2016. Available from: <http://www.moorestephens.co.uk/news-views/september-2016/second-successive-quarterly-rise-shipping-confidence> In August 2016, the average confidence level expressed by respondents was 5.4 on a scale of 1 (low) to 10 (high).

Ship emissions: Monitoring, enforcement and human health. **By Kelvin Boot.** *Natural Environment Research Council (NERC)* [Online]. 26 September 2016. Available from: <http://www.nerc.ac.uk/planetearth/stories/1833/> 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.

DMCA unveils line-up for opening session of 3rd Dubai Maritime Week. By Kent Gray. *Seatrade Maritime News* [Online]. 26 September 2016. Available from: <http://www.seatrade-maritime.com/news/middle-east-africa/dmca-unveils-line-up-for-uae-maritime-leaders-seminar-to-kick-start-3rd-dubai-maritime-week.html> Newcomers to the industry are a key target for a new day-long interactive seminar set to open Dubai Maritime Week 2016 which again features the biennial Seatrade Maritime Middle East (SMME) conference and exhibition.

Mega-Ship Dreams Obscure Cloudy Future for Shipping. *Maritime Executive* [Online]. 26 September 2016. Available from: <http://www.maritime-executive.com/article/mega-ship-dreams-obscure-cloudy-future-for-shipping> The Danish seaman got his chance three years ago when he was asked to helm the *Majestic Maersk*, a mammoth, baby blue-painted vessel that at 400 meters (1,312 feet) is longer than a nuclear-powered aircraft carrier.

Malta commemorates World Maritime Day 2016. *Government of Malta* [Online]. 28 September 2016. Available from: <https://www.gov.mt/en/Government/Press%20Releases/Pages/2016/September/28/pr162078.aspx> Malta will be commemorating this occasion during the week of 3rd to 6th October, when the first ever Malta Maritime Summit will be held in Malta.

IRClass launches mobile application, alongside new and improved website on World Maritime Day. *Ship Management International* [Online]. 28 September 2016. Available from: <http://shipmanagementinternational.com/irclass-launches-mobile-application-alongside-new-and-improved-website-on-world-maritime-day/> The Indian Register of Shipping (IRClass) is to launch its newly-designed website and a mobile application, for modern, seamless user experience.

Libya: insecurity and political divisions continue to threaten international shipping. By Eliza Richardson, *Geopolitical Risk Analyst, PGI Intelligence.* *The Loadstar* [Online]. 27 September 2016. Available from: <https://theloadstar.co.uk/libya-insecurity-political-divisions-continue-threaten-international-shipping/> There are growing concerns over the risk to international shipping in the southern Mediterranean, following recent confrontations between Libyan maritime authorities and foreign vessels.

Nigeria: World Maritime Day - Imperative of Harnessing Nigeria's Maritime Potentials. By Bolaji Akinola. *All Africa* [Online]. 29 September 2016. Available from: <http://allafrica.com/stories/201609290657.html> The World Maritime Day is recognized by the United Nations as a day set aside to celebrate the contribution of shipping to the global economy.

Canada is a maritime trading nation. By Richard Wiefelspuett, *Executive Director, Clear Seas Centre for Responsible Marine Shipping.* *Vancouver Sun (Canada)* [Online]. 29 September 2016. Available from: <http://vancouversun.com/opinion/opinion-the-indispensability-of-marine-shipping> This year's theme — "Shipping: Indispensable to the World" — was chosen by the IMO "to focus on the critical link between shipping and the everyday lives of people all over the planet.

Here to help. By Michael Grey. *Lloyd's List* [Online]. 29 September 2016. Available from: <https://www.lloydslist.com/ll/sector/ship-operations/article538055.ece> It has been said more than once that no matter how diligent the ship management — and how much has been spent on the vessel's specification — at any one time, any ship will exhibit faults that can be detected by a diligent inspector.

RESEARCH

Sea ice decline and 21st century trans-Arctic shipping routes. By N. Melia, K. Haines et al.
Geophysical Research Letters. [Online]. (2016). Available from:
<http://dx.doi.org/10.1002/2016GL069315> The observed decline in Arctic sea ice is projected to continue, opening shorter trade routes across the Arctic Ocean, with potentially global economic implications.

Autonomous merchant vessels: examination of factors that impact the effective implementation of unmanned ships. By T. Hogg, S. Ghosh.
Australian Journal of Maritime & Ocean Affairs. [Online]. (2016). Available from:
<http://www.tandfonline.com/doi/abs/10.1080/18366503.2016.1229244> Research in the design and development of fully autonomous and unmanned merchant vessels has revealed positive results and expected benefits that support their likely implementation on the high seas in the near future.

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maritimeknowledgecentre@imo.org

About the cover

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