

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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IMO / UNITED NATIONS NEWS & EVENTS

WHAT'S NEW

UN Secretary-General visits IMO

United Nations Secretary-General Ban Ki-moon on Wednesday (3 February) visited the Headquarters of the International Maritime Organization (IMO), the United Nations specialized agency with responsibility for ship safety, maritime security and prevention of pollution from ships.

Mr. Ban met IMO Secretary-General Kitack Lim and IMO's Senior Management Committee. He also addressed representatives of IMO Member States and IMO staff.

Secretary-General Ban highlighted the major role that IMO and the maritime sector had to play in translating landmark agreements such as the 2030 Agenda for Sustainable Development, and the Paris Agreement on climate change into tangible improvements in people's lives.

Secretary-General Ban commended the IMO for its contribution to the fight to combat climate change, including through the adoption of legally binding energy efficiency measures for ships.

Reflecting the IMO World Maritime Day theme for 2016, Mr. Ban said that shipping was "indispensable to world trade". He highlighted IMO's efforts to help develop maritime trade, improve port infrastructure and promote seafaring as a career.

Mr. Ban praised the shipping industry and rescue services for saving hundreds of thousands of lives, often at considerable cost and danger to themselves, particularly in the Mediterranean in what he referred to as the biggest crisis of forced displacement since the Second World War. A high-level UN meeting on 19 September, ahead of the UN General Assembly in New York, will aim to find solutions, including establishing safe and legal migration pathways and addressing the conflicts and other failures that force people to risk their lives in this way.

Text of UN Secretary-General's speech [here](#).

Photo gallery [here](#). View the video [here](#).

PROGRAMME OF IMO MEETINGS FOR 2016,  [Meeting Summaries](#)

[Sub-Committee on Human Element, Training and Watchkeeping \(HTW\)](#)
3rd session, 1 – 5 February 2016

[Sub-Committee on Pollution Prevention and Response \(PPR\)](#)
3rd session, 15 – 19 February 2016

Sub-Committee on Safety of Navigation, Communication and Search and Rescue (NCSR)
3rd session, 29 February – 4 March 2016

IMO PRESS BRIEFINGS

[Verification of tonnage figures for BWM Convention completed – further ratifications needed](#)
Briefing: 06, February 10, 2016

[States urged to ratify compensation regime for Hazardous and Noxious Cargoes](#)
Briefing: 05, February 08, 2016

IMO NEWS MAGAZINE [\(Issue 4, 2015\)](#)

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

RECENT SPEECHES BY IMO SECRETARY-GENERAL KITACK LIM

[Sub-Committee on Human Element, Training and Watchkeeping \(HTW\)](#)
3rd session, 1 – 5 February 2016 (Opening Address)

[Sub-Committee on Pollution Prevention and Response \(PPR\)](#)
3rd session, 15 – 19 February 2016 (Opening Address)

[E-navigation Underway 2016](#) 2 February 2016

UNITED NATIONS NEWS

This must be 'year of traction' to propel 2030 development Agenda, says UN chief.

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

<http://www.un.org/apps/news/story.asp?NewsId=53183> Just as 2015 was a year of "global action" with the adoption of the ambitious 2030 Agenda for Sustainable Development, so 2016 must be a year of "global traction" to ensure that 3.1 billion people worldwide are not left behind in the race to end poverty, United Nations Secretary-General Ban Ki-moon said today.

Ban welcomes proposal for first binding limits on airlines' carbon emissions.

UN News Centre [Online]. 9 February 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsId=53197> Welcoming a proposal by the United Nation's International Civil Aviation Organization (ICAO) on the first binding limits on carbon dioxide emissions from the aviation industry, United Nations Secretary-General Ban Ki-moon called today for further strengthening of emissions standards as quickly as possible.

UN officials call for strengthened global partnerships to combat human trafficking.

UN News Centre [Online]. 9 February 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsId=53196> "No region is immune," Secretary-General Ban Ki-moon said in a statement delivered alongside the President of the General Assembly and the head of the UN anti-crime agency, at the high-level event, held at UN Headquarters in New York.

As budget advisory panel turns 70, Ban lauds 'strong collaboration' on reaching UN's goals.

UN News Centre [Online]. 10 February 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsId=53205> United Nations Secretary-General Ban Ki-moon today praised the UN's advisory committee on budgetary matters for its help in carrying out the world body's lifesaving work around the world, as the 16-member body marked the 70th anniversary of its establishment.

Zika: UN health agency launches global response strategy; Member States briefed on outbreak.

UN News Centre [Online]. 16 February 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsId=53249> As World Health Organization officials briefed United Nations Member States in New York today on the Zika virus outbreak, the agency launched a global strategy to guide the international response to the spread of the virus and the neonatal malformations and neurological conditions associated with it.

With growing numbers of child deaths at sea, UN agencies call for enhancing safety for refugees and migrants.

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

19 February 2016. Available from: <http://www.unhcr.org/56c6e7676.html> An average of two children have drowned every day since September 2015 as their families try to cross the eastern Mediterranean, and the number of child deaths is growing said IOM, UNHCR, and UNICEF.

'Bring people in from the margins,' urges UN chief on World Social Justice Day.

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

<http://www.un.org/apps/news/story.asp?NewsID=53279> The United Nations top official today called on Member States to build inclusive societies free of discrimination, in which all people can live with dignity and opportunities to improve their lives, as he observed the World Day of Social Justice.

UNHCR calls for safer alternatives to deadly Bay of Bengal voyages.

United Nations High Commissioner for Refugees (UNHCR) [Online]. 23 February 2016.

Available from: <http://www.unhcr.org/56cc51c76.html> A new UNHCR report has found that mixed maritime movements in South-East Asia were three times more deadly than in the Mediterranean last year - highlighting the urgency of greater life-saving cooperation among the affected States. [Report](#) 

UNHCR concerned by build up along borders and additional hardships for refugees and asylum seekers.

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

23 February 2016. Available from: <http://www.unhcr.org/56cc521c6.html> UNHCR is concerned by recent restrictive practices adopted in a number of European countries that are placing additional undue hardships on refugees and asylum-seekers across Europe, creating chaos at several border points, and putting particular pressure on Greece as it struggles to deal with larger numbers of people in need of accommodation and services.

At 50, UN development programme revamps itself to tackle new sustainability goals.

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

<http://www.un.org/apps/news/story.asp?NewsID=53313> The United Nations Development Programme (UNDP), with its presence in more than 170 poor and vulnerable countries, must rise to the challenge of advancing a "big, new, more complex, and transformational" sustainable development agenda, the head of the agency said today at a ministerial meeting to commemorate the 50th anniversary of its founding.

CASUALTIES

Modern Express ship 'successfully towed from French coast'. *BBC News* [Online]. 1 February 2016. Available from: <http://www.bbc.co.uk/news/world-europe-35456682> Maritime experts have succeeded in attaching a tow line to a large cargo ship that has been listing heavily, 44km (27 miles) off the French coast.

70 years on, little known about the *Wilhelm Gustloff* sinking. By Volker Wagener. *Deutsche Welle (DW) (Germany)* [Online]. 30 January 2016. Available from: <http://www.dw.com/en/70-years-on-little-known-about-the-wilhelm-gustloff-sinking/a-18226012> Over 9,000 people died in the Baltic Sea on January 30, 1945, in an attempt to evade the Red Army.

Drifting Cargo Ship *Modern Express* Under Tow in Bay of Biscay, Headed for Bilbao - UPDATE. By Mike Schuler. *gCaptain* [Online]. 2 February 2016. Available from: <http://gcaptain.com/drifting-modern-express-taken-under-tow-in-bay-of-biscay/> The tug *Centaurus* towing the *Modern Express* entered Spanish waters overnight as the convoy approached the port of Bilbao at a speed of 3 knots.

Lessons learned from the accident of *MSC Flaminia*: new guidelines for ships in need of assistance. *European Commission Mobility and Transport* [Online]. 27 January 2016. Available from: http://ec.europa.eu/transport/modes/maritime/news/2016-01-27-lessons-learned-flaminia_en.htm Today the European Commission presented the new EU operational guidelines for ships in need of assistance. [Joint Declaration on the EU Operational Guidelines on Places of Refuge \('PoR'\)](#)

Accident Investigation Report 1/2016 : Collapse of a mezzanine deck on board ro-ro passenger ferry *St Helen*. *UK Marine Accident Investigation Branch (MAIB)* [Online]. 4 February 2016. Available from: <https://goo.gl/cDnv0k> This reports the MAIB's investigation of the collapse of a mezzanine deck on the Wightlink ferry *St Helen*, at Fishbourne ferry terminal, Isle of Wight, on 18 July 2014. [Report](#) [Annexes](#)

Fire Destroys Accommodations Block of Vietnamese Freighter. *Maritime Executive* [Online]. 2 February 2016. Available from: <http://www.maritime-executive.com/article/fire-destroys-accommodations-block-of-vietnamese-freighter> The Vietnamese Marine Rescue Coordination Center (VMRCC) has reported that the 27,000 dwt geared freighter *South Star* caught fire about 35 nm east of Haiphong, off Cam Pha.

Crewman killed by fumes on tanker. By Gary Dixon. *TradeWinds* [Online]. 8 February 2016. Available from: <http://www.tradewindsnews.com/casualties/384685/crewman-killed-by-fumes-on-tanker> A 23-year-old seafarer has been killed by fumes on a Turkish tanker in Italy.

Elbe grounding of giant boxship draws ire. By Sam Chambers. *Splash 24/7* [Online]. 5 February 2016. Available from: <http://splash247.com/elbe-grounding-of-giant-boxship-draws-ire/> With two attempts to dislodge it, the giant *CSC Indian Ocean* is likely to remain stuck on the bed of the river Elbe outside Hamburg until Tuesday next week, much to the frustration of many local politicians.

More maritime accidents as sea turns treacherous. By Nani Afrida. *Jakarta Post* [Online]. 6 February 2016. Available from: <http://www.thejakartapost.com/news/2016/02/06/more-maritime-accidents-sea-turns-treacherous.html> Maritime authorities have reported a rise in the number of accidents in Indonesian waters and have taken steps to mitigate the incidents.

Greenpeace asks for investigation of the *Modern Express*' cargo. *Greenpeace Africa* [Online]. 5 February 2016. Available from: <http://www.greenpeace.org/africa/en/Press-Centre-Hub/Greenpeace-asks-for-investigation-of-the-Modern-Express-cargo/> The troubled car carrier *Modern Express* that was recently successfully towed away from the French coast, has safely entered the port of Bilbao, Spain.

CSCL *Indian Ocean* freed overnight, now undergoing inspection for damage. **By Sam Chambers.** *Splash 24/7* [Online]. 9 February 2016. Available from: <http://splash247.com/cscl-indian-ocean-freed-overnight-now-undergoing-inspection-for-damage/> ☀️ The stars were quite literally aligned in the early hours this morning for a successful refloating of the giant CSCL *Indian Ocean*.

Investigators struggle to explain *Modern Express* listing. **By Sam Chambers.** *Splash 24/7* [Online]. 10 February 2016. Available from: <http://splash247.com/investigators-struggle-to-explain-modern-express-listing/> The crew from the Cido controlled car carrier were evacuated on February 2 as the ship listed 40 degrees in stormy conditions, with initial reports suggesting the listing was down to the cargo having shifted.

Statement on *Anthem of the Seas* Royal Caribbean International February 10, 2016. *Royal Caribbean Press Centre* [Online]. 10 February 2016. Available from: <http://www.royalcaribbeanpresscenter.com/press-release/1231/statement-on-anthem-of-the-seas-royal-caribbean-international-february-10-2016/> *Anthem of the Seas* will return to Cape Liberty, NJ this evening, and we are grateful for the safe return of our guests and crew.

NTSB Considering Investigation Into Royal Caribbean Cruise's Weather Troubles. **By Meghan Keneally.** *ABC News (US)* [Online]. 10 February 2016. Available from: <http://abcnews.go.com/US/ntsb-investigation-royal-caribbean-cruises-weather-troubles/story?id=36835883> ☀️ The U.S. National Transportation Safety Board is considering a possible investigation into events surrounding the storm that rocked a cruise ship off the Carolina coast and forced it to turn around.

NTSB to Launch Second Search Mission to *EL FARO*. *US National Transportation Safety Board (NTSB)* [Online]. 11 February 2016. Available from: <http://www.nts.gov/news/press-releases/Pages/PR20160211.aspx> The National Transportation Safety Board announced Thursday that it would launch a second expedition to search for evidence in its investigation of the loss of the cargo ship *EL FARO*, which sank in the Atlantic during a hurricane on October 1, 2015.

20 years after the devastating oil spill, whatever happened to the *Sea Empress*? **By Rachael Misstear.** *Wales Online* [Online]. 14 February 2016. Available from: <http://www.walesonline.co.uk/news/wales-news/20-years-after-devastating-oil-10880420> The *Sea Empress*, synonymous with the 1996 oil spill, was re-named FIVE times - and went on to run aground again.

APL *Vanda* to sail after power failure. *BBC News* [Online]. 16 February 2016. Available from: <http://www.bbc.co.uk/news/uk-england-hampshire-35577802> DP World Southampton, which operates container terminals at the port, said the *APL Vanda* was expected to sail at about 12:30 GMT.

One Dies, 26 Evacuated as Tanker Sinks in Malacca Strait. *World Maritime News* [Online]. 15 February 2016. Available from: <http://worldmaritimeneeds.com/archives/183014/one-dies-26-evacuated-as-tanker-sinks-in-malacca-strait/> One crew member died while 26 more were evacuated after a 1983-built chemical tanker *Nusantara Akbar* started sinking in the Malacca Strait off Dumai, Indonesia, on Saturday night.

'Lessons learned' from 1996 Sea Empress oil spill. By Matt Murray. *BBC News* [Online]. 15 February 2016. Available from: <http://www.bbc.co.uk/news/uk-wales-35582916>  Twenty years after the Sea Empress oil tanker ran aground off the coast of Pembrokeshire, Milford Haven Port Authority has claimed it is a world leader in safety.

Sage Sagittarius captain says part of recording from day of crew member's death 'probably' deleted. By Joanna Woodburn. *ABC (Australia)* [Online]. 17 February 2016. Available from: <http://www.abc.net.au/news/2016-02-17/sage-sagittarius-captain-says-ships-audio-probably-deleted/7177892> Venancio Salas has been giving evidence at an inquest at the Glebe Coroners Court into the deaths of Cesar Llanto and Hector Collado, who worked on the *Sage Sagittarius*, one of the world's biggest coal ships, in 2012.

El Faro captain sought route change a day before ship sank. *CBS News (USA)* [Online]. 16 February 2016. Available from: <http://www.cbsnews.com/news/el-faro-captain-sent-email-about-changing-route-day-before-ship-sank/>  The captain of the doomed freighter *El Faro* emailed his superiors asking about changing the route home the day before his ship sank near the Bahamas.

At Least 13 Missing after Tanker Sinks in Arafura Sea. *World Maritime News* [Online]. 17 February 2016. Available from: <http://worldmaritimeneews.com/archives/183314/at-least-13-missing-after-tanker-sinks-in-arafura-sea/> At least thirteen people are missing after an oil tanker, identified as *KM Azula*, sank in the Arafura sea off Papua, Indonesia, during the weekend.

USCG Board Questions TOTE Executives on El Faro. *Maritime Executive* [Online]. 17 February 2016. Available from: <http://www.maritime-executive.com/article/uscg-board-questions-tote-services-executives-on-el-faro/>  On Wednesday, the U.S. Coast Guard Marine Board of Investigation for the loss of the *El Faro* continued its inquiry with questions for her operator's management team on the firm's safety, weather routing and personnel policies.

TOTE Deck Officers Testify in El Faro Hearings. *Maritime Executive* [Online]. 18 February 2016. Available from: <http://www.maritime-executive.com/article/tote-deck-officers-take-the-stand-in-el-faro-hearings> The USCG Marine Board of Investigation into the loss of the ro/ro *El Faro* continued Thursday with testimony from several TOTE deck officers regarding weather, vessel stability, loading practices and vessel condition.

El Faro captain's pleas for help before ship sank played at hearing. By Frank McGurty. *Reuters* [Online]. 20 February 2016. Available from: <http://www.reuters.com/article/us-ship-elfaro-idUSKCN0VT0X4> The captain of the doomed *El Faro* warned that the "clock was ticking" as his cargo ship took on water in an Atlantic hurricane that would eventually sink the vessel, a U.S. Coast Guard panel heard on Saturday.

USCG: El Faro Was On Inspection "Targeting List". *Maritime Executive* [Online]. 22 February 2016. Available from: <http://www.maritime-executive.com/article/uscg-el-faro-was-on-compliance-targeting-list> The Marine Board of Investigation into the loss of the *El Faro* continued its hearings Monday with testimony from USCG compliance officials about how vessels get selected for added scrutiny.

Modern Express Stands Up Straight. *World Maritime News* [Online]. 23 February 2016. Available from: <http://worldmaritimeneews.com/archives/183772/modern-express-stands-up-straight/> The listing car carrier *Modern Express*, which ran into troubles during a storm at sea on January 26, was righted yesterday in the Spanish port of Bilbao.

El Faro Response Hampered by Weather and Distance. *Maritime Executive* [Online]. 23 February 2016. Available from: <http://www.maritime-executive.com/article/el-faro-responders-hampered-by-weather-and-distance> On Tuesday, Marine Board of Investigation hearings into the loss of the ro/ro *El Faro* continued with testimony from her former chief engineer and from the Coast Guard officer in charge of regional incident response.

Accident Investigation Report 3/2016: Accident to shore worker while disembarking passenger vessel *Oldenburg* with 1 fatality. *UK Marine Accident Investigation Branch (MAIB)* [Online]. 25 February 2016. Available from: <https://goo.gl/Rlezdj> A shore worker was fatally injured when he became trapped between the hull of the passenger vessel *Oldenburg* and a vertical fender as he attempted to disembark through a main deck shell door and along the ship side belting. [Report](#)

Air option activated as *Aurora Australis* remains aground. *Government of Australia* [Online]. 25 February 2016. Available from: <http://www.antarctica.gov.au/news/2016/air-option-activated-as-aurora-australis-remains-aground> With the *Aurora Australis* still aground near Mawson research station, the Australian Antarctic Division is receiving assistance from the US Antarctic program to transport expeditioners who were waiting at Davis research station to return home.

***Aurora Australis* remains aground at Mawson research station.** *Government of Australia* [Online]. 25 February 2016. Available from: <http://www.antarctica.gov.au/news/2016/aurora-australis-remains-aground-at-mawson-station> The *Aurora Australis* remains aground at Mawson research station, with blizzard conditions continuing today.

Two injured in general cargoship collision. *By Eric Martin. TradeWinds* [Online]. 24 February 2016. Available from: <http://www.tradewindsnews.com/casualties/386664/two-injured-in-general-cargoship-collision> Two local government employees suffered minor injuries after a Wijnne & Barends general cargoship collided with two boats in a UK river.

ENVIRONMENT

A Visual Glossary of Ocean Terminology. *Pew Charitable Trusts* [Online]. 27 January 2016. Available from: <http://www.pewtrusts.org/en/research-and-analysis/collections/2016/01/cartoon-crash-course-a-visual-glossary-of-ocean-terminology> Ocean conservation is essential but sometimes difficult to understand.

Shipping must be covered by ETS or climate fund - MEPs. *Transport & Environment* [Online]. 30 January 2016. Available from: <http://www.transportenvironment.org/news/shipping-must-be-covered-ets-or-climate-fund-%E2%80%93-meps> The Paris climate agreement's target of limiting global warming well below 2°C will be impossible without measures to curb shipping's greenhouse gas emissions, MEPs told industry representatives last week.

Fifteen NGOs Petition Arctic Council on HFO. *Maritime Executive* [Online]. 29 January 2016. Available from: <http://www.maritime-executive.com/article/fifteen-ngos-petition-arctic-council-on-hfo> The Arctic Council, now under the chairmanship of the United States, is meeting this coming Monday through Wednesday in Stockholm to discuss protection of the marine environment, and 15 international NGOs are urging Ambassador David Balton of the U.S. State Department to take action on heavy fuel oil (HFO).

Killing three birds with one stone in the Arctic. By Sue Libenson. *EurActiv* [Online]. 2 February 2016. Available from: <http://www.euractiv.com/sections/climate-environment/killing-three-birds-one-stone-arctic-321476> The use of heavy fuel oil by shipping in the Arctic could have disastrous consequences.

Ships' noise is serious problem for killer whales and dolphins, report finds. By Oliver Milman. *The Guardian* [Online]. 2 February 2016. Available from: <http://www.theguardian.com/environment/2016/feb/02/ships-noise-is-serious-problem-for-killer-whales-and-dolphins-report-finds> Noise emanating from passing ships may disturb animals such as killer whales and dolphins far more than previously thought, with new research showing that the animals' communication and ability to find prey could be hampered by the underwater din.

Commission publishes summary report on ocean governance consultation. *European Commission Fisheries* [Online]. 3 February 2016. Available from: http://ec.europa.eu/newsroom/mare/itemdetail.cfm?item_id=28619 The public consultation aimed at assessing the current ocean governance framework and the EU's role in achieving better ocean governance worldwide. [Summary of the results of the public consultation](#) 

Study Shows North Atlantic Ocean CO2 Storage Doubled Over Last Decade. *University of Miami Rosenstiel School of Marine & Atmospheric Science* [Online]. 2 February 2016. Available from: <http://www.rsmas.miami.edu/news-events/press-releases/2016/study-shows-north-atlantic-ocean-co2-storage-doubled-over-last-decade/> A University of Miami (UM) Rosenstiel School of Marine and Atmospheric Science-led study shows that the North Atlantic absorbed 100 percent more man-made carbon dioxide over the last decade, compared to the previous decade.

Tianjin Blast Could Be Largest Marine Insurance Loss Ever. *Maritime Executive* [Online]. 4 February 2016. Available from: <http://www.maritime-executive.com/article/tianjin-blast-could-be-largest-marine-insurance-loss-ever>  Claims related to the massive explosion at the port of Tianjin, China may grow to as much as \$6 billion, says the International Union of Marine Insurance (IUMI).

Film "A Plastic Ocean" Official Trailer. *A Plastic Ocean* [Online]. 2 February 2016. Available from: <https://www.youtube.com/watch?v=6zrn4-FfbXw>  A Plastic Ocean is an adventure documentary shot on more than 20 locations over the past 4 years.

How Do You Keep Killer Whales Away From an Oil Spill? By Lynne Barre. *US Office of Response and Restoration* [Online]. 8 February 2016. Available from: <https://usresponserestoration.wordpress.com/2016/02/08/how-do-you-keep-killer-whales-away-from-an-oil-spill/> I sleep better at night knowing that we have a plan in place to keep endangered Southern Resident killer whales away from an oil spill.

Cleaner fuels for fishing boats could backfire on the climate. By Eric Hand. *Science* [Online]. 5 February 2016. Available from: <http://www.sciencemag.org/news/2016/02/cleaner-fuels-fishing-boats-could-backfire-climate> Fish is better than pork and beef—not just for your body, but for the planet.

Paris climate target 'impossible' without curbing shipping emissions – NGOs. *Transport & Environment* [Online]. 9 February 2016. Available from: <http://goo.gl/XrgJht> Having escaped explicit mention in the Paris climate deal, emissions from shipping are the elephant in the room and will jeopardise the efforts of other sectors – making it all but impossible to keep global warming well below two degrees, the groups said. .

UN agency's aircraft CO2 standard 'ineffective', says environmental group.

Transport & Environment [Online]. 9 February 2016. Available from: <http://goo.gl/fgsYuu>

The UN aviation body ICAO yesterday announced agreement on a global fuel efficiency standard for new aircraft that is unlikely to have any effect on the climate, green NGO Transport & Environment (T&E) has said.

Tiny Marshall Islands vs. Big Shipping Emissions. By Daniel Grossman.

Yale Climate Connections [Online]. 10 February 2016. Available from:

<http://www.yaleclimateconnections.org/2016/02/tiny-marshall-islands-vs-big-shipping-emissions/>

The Marshall Islands' foreign minister wasn't holding back last year when he told global maritime regulators that "carbon emissions, including those from shipping, pose an existential threat" to the island's and its 50,000 inhabitants.

Supreme Court scotches US high climate ambition claims. By Ed King. *Climate Home*

[Online]. 10 February 2016. Available from:

<http://www.climatechangenews.com/2016/02/10/supreme-court-scotches-us-high-climate-ambition-claims/>

Little over two months ago, as the 2015 Paris climate summit edged to a conclusion, the US joined the grandly named "coalition of high ambition".

Tsavliris calls for enhancement of marine environment protection in UAE.

By Peter Shaw-Smith. *Seatrade Maritime News* [Online]. 12 February 2016. Available from:

<http://www.seatrade-maritime.com/news/europe/tsavliris-calls-for-enhancement-of-marine-environment-protection-in-uae.html>

A Greek salvage specialist is calling for improved protection of the marine ecosystem in the Arabian Gulf through the creation of the UAE Marine Environment Protection Agency (UAEMEPa).

India should prepare its cadre for the blue economy. By T P Sreenivasan. *Indian Express*

[Online]. 11 February 2016. Available from:

<http://indianexpress.com/article/opinion/columns/the-blue-economy-diplomats-ocean-and-water-body-policy/>

Diplomats transform themselves into rock stars when the areas they specialise in assume exceptional prominence.

Celebrating 40 Years of Cooperation for a Healthy Mediterranean.

United Nations Environment Programme (UNEP) [Online]. 11 February 2016. Available from:

<http://www.unepmap.org/index.php?module=news&action=detail&id=199>

Ministers from the Mediterranean commit to measures to further reduce pressures on their marine and coastal environment.

Rare seabirds could defeat Hamburg's plan to attract megacarriers. By Tony Paterson.

The Independent [Online]. 15 February 2016. Available from:

<http://www.independent.co.uk/news/world/europe/rare-terns-seabirds-hamburg-plan-megacarriers-a6874236.html>

Just 40 miles downstream from the booming port of Hamburg, huge cargo ships pass grey-green mud flats and enter the Elbe on the flood tide, almost perceptibly groaning under the weight of up to 8,000 steel containers apiece.

International effort required to control shipping emissions. By Miriam Dalli.

Malta Independent [Online]. 13 February 2016. Available from:

<http://www.independent.com.mt/articles/2016-02-13/local-news/International-effort-required-to-control-shipping-emissions-Miriam-Dalli-6736153246>

During a Brussels conference organized by the European Parliament and the Transport and Environment network entitled 'Sink or Swim', Maltese MEP Miriam Dalli called for a global mechanism to control shipping emissions so that such mechanism would apply to all ports in the same manner.

Fiji first to ratify Paris climate change pact. By Alex Pashley. *Climate Home* [Online]. 15 February 2016. Available from: <http://www.climatechangenews.com/2016/02/15/fiji-first-to-ratify-paris-climate-change-pact/> The country's 50 lawmakers unanimously confirmed the first global pact to curb greenhouse gas emissions on Friday, the Pacific Islands News Association reported.

Aircraft and ships must not be exempt from emissions cuts. *New Scientist* [Online]. 17 February 2016. Available from: <https://www.newscientist.com/article/2077790-aircraft-and-ships-must-not-be-exempt-from-emissions-cuts/> The Paris climate agreement, sealed last December, was a first in many respects: the first truly international climate change deal, with promises from both rich and poor nations to cut emissions; the first global signal that the age of fossil fuels must end; the first time world leaders said we should aim for less than 2 °C of warming.

Improving Ocean Governance – Phase One Complete. *European Commission Maritime Affairs and Fisheries* [Online]. 19 February 2016. Available from: http://ec.europa.eu/dgs/maritimeaffairs_fisheries/magazine/en/policy/improving-ocean-governance-%E2%80%93-phase-one-complete Oceans cover around 70% of our planet and 60% of that is high seas beyond the reach of any single country - effectively, an internationally shared resource. [Summary of the results of Public Consultation](#)

EU funding for Arctic oil spill response. By Rannveig Haugen Stiberg. *Norut Northern Research Institute (Norway)* [Online]. 17 February 2016. Available from: <http://norut.no/en/news/eu-funding-arctic-oil-spill-response> Norut Narvik is taking part in a new EU Horizon 2020 project focusing on the development of Arctic oil spill response methods and the evaluation of their environmental effects.

BP's Great Australian Bight oil proposal, off South Australian coast, under Senate spotlight. By Tom Fedorowytch. *ABC (Australia)* [Online]. 22 February 2016. Available from: <http://www.abc.net.au/news/2016-02-22/bp%27s-great-australian-bight-proposal-under-senate-spotlight/7189024> A proposal by petroleum giant BP to search for oil in the Great Australian Bight off the coast of South Australia will be examined by a Senate committee.

Study Reveals Stunning Acceleration of Sea Level Rise. By John Upton. *Climate Central* [Online]. 22 February 2016. Available from: <http://www.climatecentral.org/news/study-reveals-acceleration-of-sea-level-rise-20055> The oceans have heaved up and down as world temperatures have waxed and waned, but as new research tracking the past 2,800 years shows, never during that time did the seas rise as sharply or as suddenly as has been the case during the last century.

Obama Administration Review Ignores Dangers of Offshore Fracking in California. *Center for Biological Diversity* [Online]. 22 February 2016. Available from: http://www.biologicaldiversity.org/news/press_releases/2016/fracking-02-22-2016.html Three weeks after agreeing to take a hard look at offshore fracking's threats to California's coast, the Obama administration has released a draft environmental assessment from the Department of the Interior that fails to answer key questions about the risks of this controversial oil-extraction technique.

Interior Department Announces Framework to Safeguard the Nation's Lands and Waters from Invasive Species. *US Department of the Interior* [Online]. 18 February 2016. Available from: <https://www.doi.gov/pressreleases/interior-department-announces-framework-safeguard-nation%E2%80%99s-lands-and-waters-invasive> Continuous proliferation of invasive species harmful to U.S. ecosystems, the economy, and human health. [Report](#) 

ICS gets behind CO2 reduction target for shipping. By Unni Einemo. *Bunkerworld* [Online]. 24 February 2016. Available from: <http://www.bunkerworld.com/news/ICS-gets-behind-CO2-reduction-target-for-shipping-140901> In a remarkable shift in policy, the International Chamber of Shipping (ICS) has called for shipping to agree to a global sectoral CO2 reduction target.

A Year of Ocean Regeneration. By Isabella Lövin, Trevor Manuel, and Ratu Inoke Kubuabola. *Global Ocean Commission* [Online]. 24 February 2016. Available from: <http://www.globaloceancommission.org/a-year-of-ocean-regeneration/> It supplies 50% of the oxygen we breathe, feeds billions of people, and provides livelihoods for millions more.

ENVIRONMENTAL POLLUTION

Network of Stand-by Oil Spill Response Vessels: Drills and Exercises. Annual Report 2015. *European Maritime Safety Agency (EMSA)* [Online]. 12 February 2016. Available from: <http://goo.gl/aDyDoL> In order to provide additional support to the Member States' pollution response mechanisms in a cost efficient way, the European Maritime Safety Agency (EMSA) has built up, in European waters, a Network of contracted Stand-by Oil Spill Response Vessels. [Annual Report](#) 

Satellite Images Show Oil Stains of Unknown Origin in the Adriatic. By Danni Matijaca. *Total Croatia News* [Online]. 21 February 2016. Available from: <https://www.total-croatia-news.com/news/2556-satellite-images-show-oil-stains-of-unknown-origin-in-the-adriatic> Oil stains sized between 100 metres and 108 square kilometers can be seen on satellite images of the Adriatic Sea.

New Oiled Birds Tied To Old Sunken Ship Still Leaking Off San Francisco. *International Bird Rescue* [Online]. 22 February 2016. Available from: <http://blog.bird-rescue.org/index.php/2016/02/new-oiled-birds-tied-to-old-sunken-ship-still-leaking-off-san-francisco/> Oiled seabirds recently cared for by International Bird Rescue have been conclusively traced back to a leaking cargo ship that sunk off the coast of California more than 60 years ago.

HEALTH

Seafarers Offered Free Eye Tests at Port of Kandla. *International Seafarers' Welfare and Assistance Network (ISWAN)* [Online]. 2 February 2016. Available from: <http://www.seafarerswelfare.org/news-and-media/latest-news/seafarers-offered-free-eye-tests-at-port-of-kandla> The Seafarers' Home Kandla is currently running an initiative which offers free eye tests to seafarers calling at the port.

Zika virus an 'international public health emergency,' UN health agency declares. *UN News Centre* [Online]. 1 February 2016. Available from: <http://www.un.org/apps/news/story.asp?NewsId=53141> Meeting today on the Zika virus outbreak, the World Health Organization announced that the recent cluster of neurological disorders and neonatal malformations reported in the Americas region constitutes a public health emergency of international concern.

Zika virus: UN agencies step up response measures following declaration of public health emergency. *UN News Centre* [Online]. 2 February 2016. Available from: <http://www.un.org/apps/news/story.asp?NewsId=53146> Following yesterday's declaration of a public health emergency of international concern regarding the cluster of microcephaly and other neurological disorders in relation to the Zika virus, United Nations agencies today highlighted their actions to support affected communities.

WHO urges European countries to prevent Zika virus disease spread now. *World Health Organization (WHO)* [Online]. 3 February 2016. Available from: <http://goo.gl/M2ZMcf> The WHO Director-General has declared that the recent cluster of microcephaly and neurological disorders in Latin America and the Caribbean constitutes a public health emergency of international concern and requires a united response.

Venezuela 'under-reporting Zika cases'. By Wyre Davies. *BBC News* [Online]. 21 February 2016. Available from: <http://www.bbc.co.uk/news/world-latin-america-35627275> As the Zika virus continues to spread across South America, countries like Brazil and Colombia have been giving regular updates on the number of people affected.

HEALTH AND SAFETY

AoS highlights issue of deficiencies on ships. *Apostleship of the Sea (AoS)* [Online]. 22 February 2016. Available from: <http://www.apostleshipofthesea.org.uk/aos-highlights-issue-deficiencies-ships> Some examples Roger had come across during his ship visits include galleys without food or drinking water, food unfit for human consumption, filthy shower and toilet areas, galleys with insect infestation, crew being forced to work without sufficient rest hours, he told a conference on Modern Slavery in Portsmouth on February 10.

IMO

New IMO head must 'act now' on ship emissions, say environmental groups. *By Charlie Bartlett.* *Seatrade Maritime News* [Online]. 9 February 2016. Available from: <http://www.seatrade-maritime.com/news/europe/new-imo-head-must-act-now-on-ship-emissions-say-environmental-groups.html> Limiting global warming to 1.5/2°C will be "impossible" unless the IMO introduces measures to curb ship emissions, NGOs Transport & Environment (T&E) and Seas At Risk (SAR) have reiterated.

IMO Pushes "Polluter Pays" Convention. *Maritime Executive* [Online]. 8 February 2016. Available from: <http://maritime-executive.com/article/imo-pushes-polluter-pays-convention> The IMO, together with the International Oil Pollution Compensation Funds (IOPC Funds) and the International Tanker Owners Pollution Federation (ITOPF), is urging member states to ratify and implement a key compensation treaty covering the transport of hazardous and noxious substances (HNS) by ship.

Proposed IMO guidelines for onboard fuel sampling spark wider debate. By Unni Einemo. *Bunkerworld* [Online]. 17 February 2016. Available from: <http://www.bunkerworld.com/news/Proposed-IMO-guidelines-for-onboard-fuel-sampling-spark-wider-debate-140835> Work underway at the International Maritime Organization to establish uniform guidelines for onboard fuel sampling to check compliance with sulfur limits has raised wider concerns about the burden on ships to comply versus the duty of bunker suppliers to provide compliant product.

FIATA calls for better communication for shipping lines on container weighing.

International Federation of Freight Forwarders Association (FIATA) [Online]. 23 February 2016. Available from: <http://fiata.com/media/press-releases/2016/23-february.html> FIATA, the International Federation of Freight Forwarders Association, is calling for enhanced communication from container shipping lines ahead of the deadline by which new IMO regulations.

Shipping organizations call for IMO to implement mandatory fuel use collection.

By Unni Einemo. *Sustainable Shipping* [Online]. 24 February 2016. Available from: <http://www.sustainableshipping.com/news/Shipping-organizations-call-for-IMO-to-implement-mandatory-fuel-use-collection-140899> The International Maritime Organization should finalize a global data collection system for ships' fuel consumption at a meeting in April to pre-empt unilateral non-global measures, according to three leading global shipping organisations.

LAW AND POLICY

ITF comment on latest *Prestige* ruling. *International Transport Workers' Federation* [Online].

28 January 2016. Available from: <http://www.itfglobal.org/en/news-events/press-releases/2016/january/itf-comment-on-latest-prestige-ruling/> Responding to the Spanish Supreme Court's decision to sentence Captain Mangouras to two years imprisonment over the 2002 *Prestige* oil spill, ITF seafarers' section chair Dave Heindel said: "This decision represents the dying gasps of a 14 year old attempt to deflect blame onto the shoulders of an octogenarian man, who has been cleared in the court of world opinion and by his peers.

InterManager condemns Mangouras prison sentence. *InterManager* [Online].

1 February 2016. Available from: <http://www.intermanager.org/2016/02/intermanager-condemns-mangouras-prison-sentence/> InterManager has described as 'abhorrent', the decision by Spain's Supreme Court to sentence the Master of the *Prestige* oil tanker, which sank off Spain's northwest coast in 2002, to two years in prison and has called on the shipping industry to support him after what have been 14 highly stressful years.

Industry Shocked as 81-Year-Old Faces Jail. *Maritime Executive* [Online]. 31 January 2016.

Available from: <http://www.maritime-executive.com/editorials/industry-shocked-as-81-year-old-faces-jail> An 81-year-old man has had his actions variously described as exemplary, disobedient and now, most recently, as reckless.

Illegal cargo onboard stricken *Modern Express*. **By Sam Chambers.** *Splash 24/7* [Online].

3 February 2016. Available from: <http://splash247.com/illegal-cargo-onboard-stricken-modern-express/> The stricken *Modern Express* car carrier is expected to enter Bilbao port today.

FACTBOX: China's new emission control plan for vessels. **By Oceana Zhou.** *Bunkerworld*

[Online]. 2 February 2016. Available from: <http://www.bunkerworld.com/news/140691> China's Ministry of Transport has laid out a four-year road map from January 1, 2016 to eventually cap the maximum sulfur content of bunker fuel used within Emission Control Area zones to 0.5% sulfur.

CSL Melbourne Replacement Ship Brings New Low to Australian Shipping.

By Ashleigh Telford. *Maritime Union of Australia (MUA)* [Online]. 3 February 2016.

Available from:

http://www.mua.org.au/csl_melbourne_replacement_ship_brings_new_low_to_australian_shipping The Australian company Pacific Aluminium is directly responsible for chartering a vessel that does not have an ITF agreement, protecting its Seafarers most basic rights.

Why the Ocean could use a Good Lawyer. By David Helvarg. *Harvard Law Record* [Online]. 4 February 2016. Available from: <http://hlrecord.org/2016/02/why-the-ocean-could-use-a-good-lawyer/> The Law of the Seas isn't law enough.

EU faces two-year wrangle to ratify Paris climate deal. By Megan Darby. *Climate Home* [Online]. 8 February 2016. Available from: <http://www.climatechangenews.com/2016/02/08/eu-faces-two-year-wrangle-to-ratify-paris-climate-deal/> The European Union faces months of internal wrangling before it can ratify the UN climate deal agreed in Paris last December.

Summary of observations and suggestions on the proposals for amendments to the Code of the Maritime Labour Convention, 2006. *International Labour Organization (ILO)* [Online]. 5 February 2016. Available from: <http://goo.gl/xRqSSd> Information document for discussion at the second meeting of the Special Tripartite Committee established under Article XIII of the Maritime Labour Convention, 2006 (Geneva, 8-10 February 2016). [Summary](#) 

A Quick Start Guide to the Arctic and UNCLOS. By Victoria Hermann and Andreas Raspotnik. *Arctic Institute* [Online]. 10 February 2016. Available from: <http://www.thearcticinstitute.org/2016/02/UNCLOS-quick-start-guide.html> From February 1 to March 18, the 40th session of the UN Commission on the Limits of the Continental Shelf is taking place in New York City. [Guide](#) 

Is Lloyd's Open Form still the best option? *Maritime Journal* [Online]. 11 February 2016. Available from: <http://www.maritimejournal.com/news101/insurance,-legal-and-finance/is-lloyds-open-form-still-the-best-option> According to the London Shipping Law Centre, as merchant ships get larger, as their cargoes expand in size and complexity and as their values escalate, the legal challenges facing salvors and wreck removers are multiplying.

US, ASEAN leaders issue Sunnylands declaration at Summit end. *Philippine Information Agency* [Online]. 18 February 2016. Available from: <http://news.pia.gov.ph/article/view/3001455764060/us-asean-leaders-issue-sunnylands-declaration-at-summit-end> The declaration reaffirmed 17 key principles, which include "mutual respect for the sovereignty, territorial integrity, equality and political independence of all nations; and firm adherence to a rules-based regional and international order that upholds and protects the rights and privileges of all states."

China: Rejection of the Philippines' arbitration 'in line with law'. *China Central Television (CCTV)* [Online]. 18 February 2016. Available from: <http://english.cntv.cn/2016/02/18/VIDEN2AdpN9EmAhWPGP2fbB6160218.shtml>  Foreign Minister Wang Yi says China's rejection of arbitration filed by the Philippines over territorial claims, is in line with the law.

U.S. and EU warn China on need to respect South China Sea ruling. By David Brunnstrom. *Reuters* [Online]. 18 February 2016. Available from: <http://www.reuters.com/article/us-usa-eu-southchinesea-idUSKCN0VR01V> The United States and the European Union warned China on Wednesday that it should respect an international court ruling expected later this year on its dispute with the Philippines over territory in the South China Sea.

Prosecutions and detentions: MCA enforcement policy and information. *UK Maritime & Coastguard Agency* [Online]. 17 February 2016. Available from: <https://www.gov.uk/government/collections/prosecutions-and-detentions-mca-enforcement-policy-and-information> The Maritime and Coastguard Agency (MCA) considers all reports of significant breaches of maritime legislation.

U.S. Gets Final Shot at Verdict in Ex-BP Manager's Trial. By Margaret Cronin Fisk and Della Hasselle. *Bloomberg* [Online]. 17 February 2016. Available from:

<http://www.bloomberg.com/news/articles/2016-02-17/u-s-gets-final-shot-at-spill-verdict-in-ex-bp-manager-s-trial> Federal prosecutors have one last chance to send someone to jail over the deadly 2010 BP Plc Gulf of Mexico well blowout and the worst offshore oil spill in U.S. history.

Ship Captain Pleads Guilty to Felony Obstruction Related to Pollution from Tanker Ship Traveling to Charleston. *US Department of Justice* [Online]. 18 February 2016.

Available from: <http://www.justice.gov/opa/pr/ship-captain-pleads-guilty-felony-obstruction-related-pollution-tanker-ship-traveling> A Filipino citizen and the captain of the tanker ship, *T/V Green Sky*, pleaded guilty today to one felony count in federal court in Charleston, South Carolina, for obstructing a U.S. Coast Guard investigation into pollution crimes aboard the vessel.

Palau vs. the Poachers. By Ian Urbina. *New York Times* [Online]. 17 February 2016.

Available from: <http://www.nytimes.com/2016/02/21/magazine/palau-vs-the-poachers.html> The island nation has mounted an aggressive response to illegal fishing in their waters. How they protect themselves may help the rest of the world save all of the oceans.

Human Rights at Sea joins with global organisations in letter to EU Commission concerning Thai fishing and human rights abuses. *Human Rights at Sea (HRAS)* [Online].

21 February 2016. Available from: <https://www.humanrightsatsea.org/press-release-human-rights-at-sea-joins-with-global-organisations-in-letter-to-eu-commission-concerning-thai-fishing-and-human-rights-abuses/> Human Rights at Sea has joined fellow international labour, environmental and human rights organisations in support of a letter sent to Karmenu Vella, the EU Commissioner for fisheries, maritime affairs and environment at the European Commission.

Web Alert: Verification of emission control measures by China MSA. *The Standard Club* [Online]. 22 February 2016. Available from:

<http://www.standard-club.com/news-and-knowledge/news/2016/02/web-alert-verification-of-emission-control-measures-by-china-msa/> Further to the club's update on Yangtze River Delta ECA, the China Maritime Safety Administration (MSA) has issued a Notice on Enhancing Supervision and Administration of ECA to specify the requirement for ships calling ports within ECAs, and to provide guidance to local MSA offices on supervision and administration of ECAs.

MARINE TECHNOLOGY

North P&I Club Warns on Potential Dangers of New Technology on Ships.

North of England P&I Association [Online]. 28 January 2016. Available from: <http://www.nepia.com/news/press-releases-and-media-area/north-pi-club-warns-on-potential-dangers-of-new-technology-on-ships/> North P&I Club has warned its members that despite the enormous benefits of digital technology on and around ships, there may also be some downsides.

Hyundai Heavy Industries' New Eco-Friendly Breakthrough Product: the World's First Tier III-Compliant High Pressure SCR. *Hyundai Heavy Industries Co.Ltd.* [Online].

3 February 2016. Available from: <http://www.hyundaiheavy.com/news/view?idx=573>

Hyundai Heavy Industries (HHI), the world's largest shipbuilder and a leading marine engine maker, announced today that it produced the world's first High Pressure Selective Catalytic Reduction (HP SCR) system for the dramatic reduction of NOx emission from 2-stroke marine engines.

Drones Deployed for MARPOL Enforcement on Bosphorus. *Maritime Executive* [Online]. 5 February 2016. Available from: <http://www.maritime-executive.com/article/drones-deployed-for-marpol-enforcement-on-bosphorus> The Istanbul Metropolitan Municipality's Marine Services Directorate will soon begin using drones to monitor the Bosphorus for maritime pollution.

Video: World's First 'Oblique' Icebreaker Breaks Ice Sideways. *gCaptain* [Online]. 9 February 2016. Available from: <http://gcaptain.com/video-worlds-first-oblique-icebreaker-breaks-ice-sideways> Built by Arctech Helsinki for the Russian Ministry of Transport, the icebreaking Multipurpose Emergency and Rescue Vessel *Baltika* is a first-of-its-kind icebreaker built with an asymmetrical hull allowing for not only ahead and astern icebreaking, but also "oblique" (or sideways) icebreaking to create a channel up 50 meters wide.

Ballast Water Management: Time for a New Generation. By Wendy Laursen. *Maritime Executive* [Online]. 10 February 2016. Available from: <http://maritime-executive.com/features/ballast-water-management-time-for-a-new-generation> The IMO has confirmed that conditions have not yet been met for the Ballast Water Management Convention to enter into force, giving shipowners, equipment manufacturers and engineering service providers time to embrace what are now considered as third generation technological solutions.

Modem software is holding back Ka-band commercial roll-out. By Martyn Wingrove. *Marine Electronics and Communications* [Online]. 10 February 2016. Available from: http://www.marinemec.com/news/view,modem-software-is-holding-back-kaband-commercial-rollout_41777.htm Software on new modem technology is delaying the commercial roll-out of the widely anticipated high throughput satellite services to shipping.

LR and ABS join forces to deliver new industry standard software. *Lloyd's Register* [Online]. 16 February 2016. Available from: <http://www.lr.org/en/news/news/LR-and-ABS-join-forces-to-deliver-new-industry-standard-software.aspx> Common Structural Rules Software LLC, a joint venture company formed by Lloyd's Register (LR) and ABS, has released new software tools for meeting the requirements of the IACS Common Structural Rules (CSR), which entered into force on 1 July 2015.

Almouj Marina in Oman successfully tests anti-fouling marine nano-coating technology. *Times of Oman* [Online]. 16 February 2016. Available from: <http://timesofoman.com/article/77651/Oman/Environment/Almouj-Marina-in-Oman-successfully-tests-anti-fouling-marine-nano-coating-technology> Almouj Marina announced the success of a month-long experiment to create environment-friendly and technologically enhanced anti-fouling coating for vessels and other submerged structures.

New KONGSBERG simulators installed for certification of Indonesian seafarers. *Kongsberg Maritime* [Online]. 15 February 2016. Available from: <http://www.km.kongsberg.com/ks/web/nokbg0238.nsf/AllWeb/5C8F2ACCE80EEC25C1257F5A00296DEB> The new simulators at the Ministry's Maritime Training Centre, located at its headquarters in Jakarta, will be used for the assessment of Indonesian seafarers applying for seagoing certification, for local and international operations.

FAU to Develop Robotic Boats with a 'Mind of Their Own'. By Gisele Galoustian. *Florida Atlantic University (US)* [Online]. 17 February 2016. Available from: <http://www.fau.edu/newsdesk/articles/fau-usv.php> Robotic boats that can move, think and make decisions on their own to help humans may be closer than you think.

Norbulk Shipping moves towards paperless ships with 'cloud' technology.

By Lee Hong Liang. *Seatrade Maritime News* [Online]. 18 February 2016. Available from: <http://www.seatrade-maritime.com/news/europe/norbulk-shipping-moves-towards-paperless-ships-with-cloud-technology.html> Glasgow-based ship management firm Norbulk Shipping has migrated its IT systems to 'the cloud' via the cloud migrator for Google, Cloud Technology Solutions, in a move towards paperless ships.

Marine Vessel Tracking System Also a Lifesaver for Wildlife. *Ocean News & Technology* [Online]. 17 February 2016. Available from:

<https://www.oceannews.com/news/2016/02/17/marine-vessel-tracking-system-also-a-lifesaver-for-wildlife> A new paper from WCS (Wildlife Conservation Society), in partnership with researchers and practitioners from National Oceanic and Atmospheric Administration, U.S. Coast Guard, Space Quest, Google, and SkyTruth, reviews the use of a maritime vessel communication and navigational safety system that is not only effective in protecting people, but wildlife such as whales, walruses, and other wildlife species as well.

DNV GL and Veritas Petroleum Services underpin strategic partnership with launch of new Fuel Analytics solution. **By Simon David Adams.** *DNV GL* [Online]. 17 February 2016.

Available from: <https://www.dnvgl.com/news/dnv-gl-and-veritas-petroleum-services-underpin-strategic-partnership-with-launch-of-new-fuel-analytics-solution-57948> As part of DNV GL's ECO Insight fleet performance management portal, the tool will enable a systematic assessment of the impact of fuel quality on vessel performance, for the first time ever.

Engineering firm making waves to keep our oceans clean. **By Gemma Toulson.**

Nottingham Post (UK) [Online]. 23 February 2016. Available from: <http://www.nottinghampost.com/Engineering-firm-making-waves-oceans-clean/story-28789268-detail/story.html> Technology made for some of the largest ships in the world by specialist engineering firm Coldharbour Marine is set to be in huge demand by when new legislation comes in to force next year.

Voluntary vessel fuel oil sampling program. **By Jodie Knox.**

US Coast Guard Maritime Commons [Online]. 17 February 2016. Available from: <http://mariners.coastguard.dodlive.mil/2016/02/17/2172016-voluntary-vessel-fuel-oil-sampling-program/> The Coast Guard published Marine Safety Information Bulletin 03-16 to announce a voluntary fuel sampling program. [Voluntary Vessel Fuel Oil Sampling Program](#) 

Dissertation: New scrubber does not pollute sea water. *University of Vaasa (Finland)* [Online]. 23 February 2016. Available from: <http://www.uva.fi/en/news/lahtinen/>

In his dissertation, Jari Lahtinen examines fresh-water closed-loop gas exhaust scrubbers, which are used on merchant ships.

MARITIME SAFETY

S. Korea to tighten safety rules on int'l passenger ships. *Yonhap News Agency (South Korea)* [Online]. 1 February 2016. Available from: <http://english.yonhapnews.co.kr/news/2016/02/01/0200000000AEN20160201005600320.html> South Korea will set up new safety guidelines for all international passenger ships that provide services to China, Japan and Russia, the government said Monday.

Who, What, Why: How dangerous for ships is the Bay of Biscay? By Claire Bates and Robert Spencer. *BBC News* [Online]. 1 February 2016. Available from: <http://www.bbc.co.uk/news/magazine-35461135> The Bay of Biscay, which is bounded by the west coast of France and the north coast of Spain, covers an area of 86,000 sq miles.

Vessels dice with disaster. By Jamie Morton. *New Zealand Herald* [Online]. 3 March 2016. Available from: http://www.nzherald.co.nz/bay-of-plenty-times/news/article.cfm?c_id=1503343&objectid=11583593 A cruise liner that sailed perilously close to rocks in the Marlborough Sounds last week provided the latest of more than 40 reported incidents involving large ships since the *Rena* disaster five years ago.

Denmark deports Russian bulk carrier shipmaster — ship owner. *TASS Russian News Agency* [Online]. 5 February 2016. Available from: <http://tass.ru/en/society/854680> Alexander Matvienko, the master of the Russian bulk carrier *Ivan Bobrov* arrested in Denmark for higher alcohol concentration in blood, was deported to Russia, Commercial Director of Trans-NAO company - ship owner Svetlana Zelentsova told TASS on Thursday.

New Edition of ICS Flag State Performance Table Shows Impressive Performance for All Major Flag Registers. *International Chamber of Shipping (ICS)* [Online]. 9 February 2016. Available from: <http://goo.gl/U8Ozbh> The ICS Table provides an annual overview of the performance of the world's ship registers against a number of criteria, using data available in the public domain. [Performance Table 2015/2016](#) 

Review finds "sound framework" in place for management of coastal navigation. *Maritime New Zealand* [Online]. 11 February 2016. Available from: <http://www.maritimenz.govt.nz/news/media-releases-2016/20160211a.asp> A review of coastal navigation safety by Maritime NZ has found that there is a sound framework in place to manage the movement of ships around the New Zealand coast, with procedures in place to assess risk and adjust safety measures if required. [Coastal Navigation Safety Review Report](#) 

Second safety warning issued after mooring line failure on board LNG tanker Zarga resulted in serious injury to a deck officer. *UK Marine Accident Investigation Branch (MAIB)* [Online]. 11 February 2016. Available from: <https://goo.gl/YRvNsO> The Marine Accident Investigation Branch is carrying out an investigation into the mooring line failure on board LNG tanker *Zarga* while alongside South Hook LNG terminal, Milford Haven on 2 March 2015 which resulted in serious injury to a deck officer. [Safety Bulletin 1/2016](#) 

'Death ship' inquest reopens as gun-toting ex-master returns to Australia. **By Sam Chambers.** *Splash 24/7* [Online]. 15 February 2016. Available from: <http://splash247.com/death-ship-inquest-reopens-as-gun-toting-ex-master-returns-to-australia/> The inquest into mysterious deaths onboard the *Sage Sagittarius* bulk carrier reopened in Sydney today, just as the chief suspect reentered Australian waters on a different vessel.

Storm-damaged cruise ship continues with repairs. *US Coast Guard Newsroom* [Online]. 12 February 2016. Available from: <http://www.uscgnews.com/go/doc/4007/2786234/>
The storm-damaged cruise ship, *Anthem of the Seas* returned to the Liberty Cruise Terminal in Bayonne, New Jersey, Wednesday evening and continues to test the critical systems onboard the vessel.

Seychelles boosts its maritime safety measures. *Seychelles Nation* [Online]. 18 February 2016. Available from: <http://www.nation.sc/article.html?id=248455> The 'table top exercise', taking place at the Seychelles Coast Guard (SCG) base on Ile Perseverance, has been organised by the government of Seychelles through the Seychelles Maritime Safety Administration (SMSA), in coordination with the SCG and in collaboration with the International Maritime Organisation (IMO).

A look ahead to 2016 by the U.S. Coast Guard's Assistant Commandant for Prevention Policy. *US Coast Guard Maritime Commons* [Online]. 16 February 2016. Available from: <http://mariners.coastguard.dodlive.mil/2016/02/16/2162016-a-look-ahead-to-2016-by-the-u-s-coast-guards-assistant-commandant-for-prevention-policy/> Every January provides a fresh opportunity to reflect on the previous year's successes and look toward the year ahead.

MARITIME SECURITY

Isil 'wants its own navy for attacks on cruise ships in the Mediterranean'. By Ben Farmer. *The Telegraph* [Online]. 28 January 2016. Available from: <http://www.telegraph.co.uk/news/uknews/defence/12128328/Isil-wants-its-own-navy-for-attacks-in-the-Mediterranean.html> Islamic State militants hope to build a maritime arm that could carry out attacks in the Mediterranean, a senior Nato Naval officer has warned.

The innovators: the swarm of sea drones sniffing out drugs and mines. By Shane Hickey. *The Guardian* [Online]. 31 January 2016. Available from: <http://www.theguardian.com/business/2016/jan/31/the-innovators-hydroswarm-sea-drone-sniffing-out-drugs> When Sampri Bhattacharyya read about a controversial US Navy scheme in which dolphins try to locate sea mines she realised the true potential of the robot she was working on.

Leaders From 18 Nations, Southcom Meet To Discuss Caribbean Security. By Michael Wimbish. *US Department of Defense* [Online]. 29 January 2016. Available from: <http://www.defense.gov/News-Article-View/Article/646557/leaders-from-18-nations-southcom-meet-to-discuss-caribbean-security> Drawn by an interest in addressing regional threats of mutual concern, delegations from 18 nations including the United States met in Kingston, Jamaica, Jan. 26-29, for talks on security cooperation capacity building in the Caribbean.

UNODC train prosecutors of maritime, drug crimes. By David Lawal. *The Nation (Nigeria)* [Online]. 29 January 2016. Available from: <http://thenationonline.net/unodc-train-prosecutors-of-maritime-drug-crimes/> The prosecution and conviction of criminal gangs involved in piracy and maritime crime in Nigeria is set to take a new shape, thanks to the United Nations Office on Drugs and Crime (UNODC).

Pressure mounts on North Korea to abandon rocket launch. By Jack Kim and Nobuhiro Kubo. *Reuters* [Online]. 3 February 2016. Available from: <http://www.reuters.com/article/us-northkorea-satellite-idUSKCN0VB1NY> Japan put its military on alert on Wednesday to shoot down any North Korean rocket that threatens it, while South Korea warned the North it would pay a "severe price" if it goes ahead with a satellite launch that South Korea considers a missile test.

Vessel Hijacked By Pro-Biafra Militants Released - Navy. *Information Nigeria* [Online]. 3 February 2016. Available from: <http://www.informationng.com/2016/02/vessel-hijacked-by-pro-biafra-militants-released-navy.html> The merchant ship, *MT LEON DIAS* and its crew hijacked by pro-Biafra militants weekend, has been released, according to the latest report.

ABS Launches Industries' First CyberSafety™ Series with Cybersecurity Guidance Note. *ABS (American Bureau of Shipping)* [Online]. 3 February 2016. Available from: <http://ww2.eagle.org/en/news/press-room/2016/abs-launches-industries-first-cybersafety-series-with-cybersecur.html> Risk-based asset management program addresses key cyber issues, shares best practices for safety and security in marine and offshore environments.

MMEA ups security with armed forces on vessels. By Amar Shah Mohsen. *Sun Daily (Malaysia)* [Online]. 31 January 2016. Available from: <http://www.thesundaily.my/news/1681200> The Malaysian Maritime Enforcement Agency (MMEA) has upped the ante in the battle against any future hijackings at sea by placing armed personnel on vessels.

Cargo ships pose Islamic State terror threat to Europe. *Irish Times* [Online]. 5 February 2016. Available from: <http://www.irishtimes.com/news/world/europe/cargo-ships-pose-islamic-state-terror-threat-to-europe-1.2523735> As Europe's politicians struggle to control a deepening migrant crisis and staunch the rising threat of Islamist terrorism on their borders, little attention is being paid to the continent's biggest frontier: the sea.

Seaborne terror, piracy key threats to maritime security, PM Modi says. *Times of India* [Online]. 7 February 2016. Available from: <http://timesofindia.indiatimes.com/india/Seaborne-terror-piracy-key-threats-to-maritime-security-PM-Modi-says/articleshow/50890751.cms> Prime Minister Narendra Modi on Sunday flagged the threat of sea-borne terror and piracy as two key challenges to maritime security even as he pitched for respecting freedom of navigation against the backdrop of South China sea dispute.

Beyond piracy: what next for African maritime security? By Timothy Walker. *Institute for Security Studies (ISS)* [Online]. 8 February 2016. Available from: <https://www.issafrica.org/iss-today/beyond-piracy-what-next-for-african-maritime-security> Last year saw an almost total absence of reports of piracy and armed robbery at sea in the western Indian Ocean and off the coast of Somalia.

ISPS Code implementation: NIMASA's long road to success. *Nigerian News Direct* [Online]. 15 February 2016. Available from: <http://nigeriannewsdirect.com/isps-code-implementation-nimasas-long-road-to-success/> From seven percent compliance rate in 2013, the Nigerian Maritime Administration and Safety Agency (NIMASA) has been able to achieve 83 percent compliance level in the implementation of International Ships and Ports Security Code compliance.

Libyan naval forces in Tripoli say have seized foreign tanker. By Ahmed Elumami. *Reuters* [Online]. 13 February 2016. Available from: <http://www.reuters.com/article/us-libya-security-tanker-idUSKCN0VM0RZ> Libyan naval forces have seized a Sierra Leone-flagged oil tanker on suspicion of illegally entering Libyan waters in an attempt to smuggle gasoline, authorities said on Saturday.

Threats at sea have changed, says MMEA chief. *Star Online (Malaysia)* [Online]. 15 February 2016. Available from: <http://www.thestar.com.my/news/nation/2016/02/15/mmea-full-interview/> For Admiral Datuk Ahmad Puzi Ab Kahar, who took over as director-general of MMEA five months ago, his priority is to make sure the agency is always on the ball.

Ghana, US Conclude Africa Maritime Law Enforcement Operations. By Sherrie A. Flippin.

United States Navy [Online]. 16 February 2016. Available from: http://www.navy.mil/submit/display.asp?story_id=93125 The combined Ghana-U.S. efforts -- an example of the Global Network of Navies -- improved interoperability and both nations' capability to deter illicit activity that threatens freedom and security in the global commons.

DFA explains gov't position over West Philippine Sea territorial dispute. By Carlito Dar.

Philippine Information Agency [Online]. 19 February 2016. Available from: <http://news.pia.gov.ph/article/view/61455871809/dfa-explains-gov-t-position-over-west-philippine-sea-territorial-dispute-> Jose was in Baguio City and Benguet on Feb. 17 to 18 for the Baguio leg of the nationwide advocacy campaign on the West Philippine Sea issue that includes a multi-sect oral forum at the University of the Cordilleras and two campus tours - one also in UC and one at the Benguet State University.

The patrol boat 'Atalaya' heads for West Africa and the Gulf of Guinea. Armada Española

[Online]. 22 February 2016. Available from: <http://goo.gl/yVkkhM> The offshore patrol vessel (OPV) 'Atalaya' (P-74) set sail from Ferrol to conduct a series of activities with regional navies as part of the Defense Diplomacy Plan.

Nigeria: Government crackdown fuelling kidnapping and sabotage attacks in Niger Delta.

PGI Intelligence [Online]. 22 February 2016. Available from: <https://pgi-intelligence.com/news/getNewsItem/Nigeria-Government-crackdown-fuelling-kidnapping-and-sabotage-attacks-in-Niger-Delta/615> Since mid-January there has been a notable uptick in reported incidents of piracy in the Gulf of Guinea, with many of the incidents involving the kidnap of crew.

Maritime Cybersecurity: What Next? By Dennis L. Bryant. MarineLink.Com [Online].

23 February 2016. Available from: <http://www.marinelink.com/news/cybersecurity-maritime405579.aspx> The consequences of a successful cyber-attack on a maritime entity could be far greater than a successful cyber-attack on, for instance, a bakery.

CBP Officers at Port Everglades Seize 154 Pounds of Cocaine.

US Customs and Border Protection [Online]. 24 February 2016. Available from: <http://www.cbp.gov/newsroom/local-media-release/2016-02-24-000000/cbp-officers-port-everglades-seize-154-pounds-cocaine> U.S. Customs and Protection (CBP) Office of Field Operations (OFO) officers working at Port Everglades seized approximately 154 pounds of cocaine inside a burlap sack during an inspection of a vessel container arriving from Guayaquil, Ecuador on Feb. 16.

MARITIME TRAINING

DARAH: It's Ridiculous For Govt To Scrap Varsity. By Chido Okafor. Guardian (Nigeria)

[Online]. 31 January 2016. Available from: <http://www.nguardiannews.com/2016/01/darah-its-ridiculous-for-govt-to-scrap-varsity/> Prof. Godini G. Darah, a radical scholar of folklore science and literature and leading authority on Urhobo culture and artistic civilization, spoke with CHIDO OKAFOR on plan by the Federal Government to scrap the Maritime University at Okerenkoko, Delta State.

STCW 2010 - Employers Need to Be Ready, says ICS. International Chamber of Shipping

(ICS) [Online]. 1 February 2016. Available from: <http://www.ics-shipping.org/news/press-releases/2016/02/01/stcw-2010-employers-need-to-be-ready-says-ics> The transitional period for the 2010 amendments to the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW 2010) comes to an end on 1 January 2017.

Videotel and Safebridge Conclude Groundbreaking Agreement to Facilitate Onboard ECDIS Type-Specific Certification. *Videotel Marine International* [Online]. 4 February 2016. Available from:

http://videotel.com/news/press_releases/videotel_and_safebridge_conclude_groundbreaking_agreement/ More than 30 ECDIS type-specific training courses will be available, which is the most comprehensive offering in the industry.

Maritime Academy Recognized As Top College By Princeton Review. *gCaptain* [Online]. 6 February 2016. Available from: <https://gcaptain.com/maritime-academy-recognized-as-top-college-by-princeton-review> The influential education-research company Princeton Review, just published its 2016 annual college handbook and ranked the State University of New York Maritime College at Fort Schuyler, among the top 10 schools in the nation for career placement after graduation.

Woman proves navigation is profession for all. By Moses Matthew. *Daily News (Tanzania)* [Online]. 6 February 2016. Available from: <http://dailynews.co.tz/index.php/features/46701-woman-proves-navigation-is-profession-for-all> However, if the male were scared of losing their professional dominion in some occupation, they could think of none other than seamanship, their once inviolable sole power region, but one now so being violated by bold and adventurous women.

Malta Maritime Pilots Training Centre. *European Shortsea Network* [Online]. 11 February 2016. Available from: <http://www.shortsea.info/1971-news-malta-maritime-pilots-training-centre.html> The original concept of setting up a Simulator Training Centre for pilots here in Malta was always envisaged, ever since the Malta Maritime Pilots Co-operative (MMP) was created.

CMI Lowers Cost Of Port Equipment Training. *The Gleaner (Jamaica)* [Online]. 23 February 2016. Available from: <http://jamaica-gleaner.com/article/shipping/20160223/cmi-lowers-cost-port-equipment-training> As part of the thrust to increase the cadre of skilled labour in logistics, the Caribbean Maritime Institute (CMI) has reduced the cost of its slate of port equipment training options.

Mersey Maritime is spearheading the project at Liverpool John Moores University's Lairdsidde Maritime Centre. By Tony McDonough. *Liverpool Echo (UK)* [Online]. 22 February 2016. Available from: <http://www.liverpoolecho.co.uk/news/business/watch-world-class-maritime-knowledge-10916828> Work starts today on the first phase of a multi-million pound "world class knowledge hub" for the Liverpool city region's maritime and energy sector.

MIGRANTS

Migrant Arrivals in Europe in 2016 Top 55,000, Over 200 Deaths. *International Organization for Migration (IOM)* [Online]. 29 January 2016. Available from: <http://www.iom.int/news/migrant-arrivals-europe-2016-top-55000-over-200-deaths> IOM estimates that 55,528 migrants and refugees crossed the Mediterranean to enter Europe during the first 28 days of 2016 - a rate of nearly 2,000 per day.

Migrant Rescue at Sea: The Legal Context. *International Maritime Rescue Federation* [Online]. 28 January 2016. Available from: <http://international-maritime-rescue.org/10-news/1887-migrant-rescue-at-sea-the-legal-context> The ongoing migrant crisis across the Mediterranean region continues to cause huge humanitarian, border control, and maritime SAR challenges.

Tens of refugees drown as boat sinks off Turkey. *Aljazeera* [Online]. 30 January 2016. Available from: <http://www.aljazeera.com/news/2016/01/children-drown-refugee-boat-sinks-turkey-160130090622640.html> At least 33 people, including children, die after their boat capsizes while trying to cross from Turkey to Greece.

The German corvette *Ludwigshafen* rescues 121 migrants in her first day in operation Sophia. *European External Action Service (EEAS)* [Online]. 29 January 2016. Available from: http://eeas.europa.eu/csdp/missions-and-operations/eunavfor-med/news/20160129_01_en.htm 121 migrants have been rescued at sea by the German corvette *Ludwigshafen* during her first day in EUNAVFOR MED operation SOPHIA

Migrant Deaths in January Top 360; Arrivals in Greece Top 62,000. *International Organization for Migration (IOM)* [Online]. 2 February 2016. Available from: <http://www.iom.int/news/migrant-deaths-january-top-360-arrivals-greece-top-62000> Fatalities of migrants and refugees in the Mediterranean in January topped 360 due to a particularly deadly final weekend of the month, when over 100 men, women in and children died in the waters off Greece, Turkey and Italy.

Refugees continue to cross Aegean Sea in forbidding conditions. By John Irvine. *ITV News (UK)* [Online]. 1 February 2016. Available from: <http://www.itv.com/news/2016-02-01/refugees-continue-to-cross-aegean-sea-in-forbidding-conditions/> "You are now in Greece." I had to repeat myself several times before the Afghan man believed me.

UN experts urge Cyprus to address migrant detention conditions, improve overall monitoring. *UN News Centre* [Online]. 1 February 2016. Available from: <http://www.un.org/apps/news/story.asp?NewsId=53134> Cyprus has seen many positive developments concerning the treatment of people in detention, but still faces several challenges, particularly regarding the independent monitoring of places of detention and the treatment of migrants, the UN Subcommittee on the Prevention of Torture (SPT) said today after visiting the country.

The Viewpoint : A visual journey through Lesbos, the gateway to Europe. *Washington Post* [Online]. 29 January 2016. Available from: <https://www.washingtonpost.com/graphics/world/lesbos/>

A third of migrants sailing to Greece are children: UNICEF. *EurActiv* [Online]. 3 February 2016. Available from: <http://www.euractiv.com/sections/global-europe/third-migrants-sailing-greece-are-children-unicef-321530> Children now make up over a third of the migrants making the perilous sea crossing from Turkey to Greece, the UN has said, as two more babies drowned off Europe's shores.

Migrant Rescue Ship Prowls Waters Between Greece And Turkey. By Joanne Kakissis. *National Public Radio (US)* [Online]. 3 February 2016. Available from: <http://www.npr.org/2016/02/03/465387317/nonprofit-s-rescue-ship-prowls-waters-between-greece-and-turkey-looking-for-migr> Thousands of migrants land daily on Greece' shores seeking asylum in Europe.

What's missing from newspaper coverage of migration? The migrants... **By Roy Greenslade.** *The Guardian* [Online]. 2 February 2016. Available from: <http://www.theguardian.com/media/greenslade/2016/feb/02/whats-missing-from-newspaper-coverage-of-migration-the-migrants> Migration, one of the most controversial issues in Britain in recent years, has dominated discussions during David Cameron's European Union renegotiation.

Twenty-seven migrants drown as boat capsizes near Turkey, coast guard says.

By Melih Aslan. *Reuters* [Online]. 8 February 2016. Available from: <http://www.reuters.com/article/us-europe-migrants-turkey-idUSKCN0VH0XF> Twenty-seven migrants, 11 of them children, drowned off Turkey's Aegean coast as they tried to reach a Greek island, the Turkish coast guard said.

Greek island mayor demands exemption from Athens' refugee plan. By Nicole Sagener.

EurActiv [Online]. 8 February 2016. Available from: <http://www.euractiv.com/sections/justice-home-affairs/greek-island-mayor-demands-exemption-athens-refugee-plan-321672> The mayor of the Greek island of Kos has warned that the establishment of a refugee reception centre there will lead to riots and violence, as well as having a negative impact on the island's lucrative tourist trade.

MOAS win New European of the Year Award. *New Europeans Association* [Online].

7 February 2016. Available from: <https://neweuropeans.net/article/963/moas-win-new-european-year-award> The award is made annually to recognize an outstanding contribution by an individual or organization in the service of shared European values and a common European identity.

Migrants in inflatable dinghy rescued from the Channel. *BBC News* [Online].

6 February 2016. Available from: <http://www.bbc.co.uk/news/uk-35513047> French coastguards have rescued four migrants who were found trying to cross the Channel in an inflatable dinghy.

Mediterranean Migrant Arrivals in 2016 Pass 76,000; Deaths Top 400. *International*

Organization for Migration (IOM) [Online]. 9 February 2016. Available from: <http://www.iom.int/news/mediterranean-migrant-arrivals-2016-pass-76000-deaths-top-400> IOM estimates that over 76,000 migrants and refugees have arrived in Europe by sea through the first six weeks of 2016.

Turkey, Germany to involve NATO in monitoring Syrian refugee exodus. *EurActiv* [Online].

9 February 2016. Available from: <http://www.euractiv.com/sections/global-europe/turkey-germany-involve-nato-monitoring-syrian-refugee-exodus-321697> Turkey and Germany plan to seek help from NATO allies in monitoring Syrian refugees trying to get to Europe across the Aegean Sea, Turkish Prime Minister Ahmet Davutoglu said yesterday (8 February).

Implementing the European Agenda on Migration: Commission reports on progress on priority actions. *European Commission* [Online].

10 February 2016. Available from: http://ec.europa.eu/dgs/home-affairs/what-is-new/news/news/2016/20160210_1_en.htm In view of next week's European Council, the Commission is today reporting on the implementation of the priority actions under the European Agenda for Migration and highlighting key areas where immediate action is needed to restore control.

NATO Defence Ministers Agree on NATO support to assist with the Refugee and Migrant

Crisis. *North Atlantic Treaty Organization (NATO)* [Online]. 11 February 2016. Available from: http://www.nato.int/cps/en/natohq/news_127981.htm "The goal is to participate in the international efforts to stem the illegal trafficking and illegal migration in the Aegean," Secretary General Jens Stoltenberg said.

Schengen evaluation of Greece: Council adopts recommendation to address deficiencies in external borders. *Council of the European Union* [Online]. 12 February 2016.

Available from: <http://www.consilium.europa.eu/en/press/press-releases/2016/02/12-schengen-evaluation-of-greece/> On 12 February 2016, the Council adopted a recommendation on addressing serious deficiencies identified during an evaluation of Greece's application of the Schengen acquis in the area of external border management.

Mediterranean Arrivals of migrants, including asylum seekers top 83,000 in 2016.

International Organization for Migration (IOM) [Online]. 12 February 2016. Available from: <http://missingmigrants.iom.int/mediterranean-arrivals-migrants-including-asylum-seekers-top-83000-2016> Arrivals of migrants, including asylum seekers in Europe in 2016 yesterday reached an estimated 83,201, with some 77,303 of those arriving in the Greek islands from Turkey, according to International Organization for Migration.

Europe/Mediterranean - Mixed Flows in the Mediterranean and Beyond - Flows Compilation Overview 2015. *International Organization for Migration (IOM)* [Online].

12 February 2016. Available from: <http://www.iom.int/sitreps/europemediterranean-mixed-flows-mediterranean-and-beyond-flows-compilation-overview-2015>

For veteran Turkish smuggler, only an army could stop migrant flow.

By Dasha Afanasieva. *Reuters* [Online]. 15 February 2016. Available from: <http://af.reuters.com/article/worldNews/idAFKCN0VO248> Demand has never been higher for the services of Turkish smuggler Dursun, who has taken migrants to Europe for more than decade, and he says nothing short of an army could stamp out his illicit trade.

Disney cruise ship brings in rescued Cubans. *Cayman News Service* [Online].

15 February 2016. Available from: <https://caymannewsservice.com/2016/02/disney-cruise-ship-brings-in-rescued-cubans/> A cruise ship brought in a dozen more Cuban migrants this weekend after the group was rescued off the coast of Grand Cayman, according to international reports.

Mediterranean Migrant Arrivals in 2016 Pass 84,000; Deaths Reach 410.

International Organization for Migration (IOM) [Online]. 16 February 2016. Available from: <http://www.iom.int/news/mediterranean-migrant-arrivals-2016-pass-84000-deaths-reach-410> An estimated 78,333 migrants or refugees have crossed into Greece since the beginning of 2016.

Greece will open four 'hotspots' in time for EU summit. *EurActiv* [Online]. 16 February 2016.

Available from: <http://www.euractiv.com/section/global-europe/news/greece-will-open-four-hotspots-in-time-for-eu-summit/> Greece will open four migrant registration centres in time for an EU summit this week, a government source told AFP today (15 February), as Athens comes under intense pressure to control the massive influx to Europe.

Can screening ease Greek migrant crisis? By James Reynolds. *BBC News* [Online].

17 February 2016. Available from: <http://www.bbc.co.uk/news/world-europe-35593811> Greece has opened four new registration centres to screen the thousands of migrants who continue to arrive from Turkey.

Turkey unwilling to target refugee traffickers, experts warn. By Georgi Gotev. *EurActiv*

[Online]. 17 February 2016. Available from: <http://www.euractiv.com/section/global-europe/news/turkey-unwilling-to-target-refugee-traffickers-experts-warn/> Senior experts said today (17 February) that unless Turkey starts targeting the mafias helping migrants cross into Europe, the worsening refugee crisis could push the British to vote to leave the Union, and bring about other disastrous consequences.

Austrian cap on asylum-seekers infuriates Commission. *EurActiv* [Online].

19 February 2016. Available from: <http://www.euractiv.com/section/central-europe/news/austrian-cap-on-asylum-seekers-infuriates-commission/> But Chancellor Werner Faymann said he also heard "a lot of understanding" during the summit dinner.

Migrant crisis: EU patrol ship saves 900 migrants off Greece. *BBC News* [Online].

18 February 2016. Available from: <http://www.bbc.co.uk/news/world-europe-35609815>
They were taken aboard a Bulgarian ship on patrol between Lesbos's port of Mytilene and the Turkish coast.

Sweden turns to Caribbean cruise ship to house refugees. **By Richard Orange.**

The Telegraph [Online]. 18 February 2016. Available from: <http://www.telegraph.co.uk/news/worldnews/europe/sweden/12162814/Sweden-turns-to-Caribbean-cruise-ship-to-house-refugees.html> A luxury cruise ship which spent decades crossing the sun-drenched waters of the Caribbean and the Mediterranean could be en route for Sweden's chilly Baltic coast to be converted into an asylum centre.

EUROPOL launches the European Migrant Smuggling Centre. *EUROPOL* [Online].

22 February 2016. Available from: https://www.europol.europa.eu/content/EMSC_launch
The goal of the Centre is to proactively support EU Member States in dismantling criminal networks involved in organised migrant smuggling. [Report](#) [Infographic](#) [Newly-created European Migrant Smuggling Centre \(EMSC\) at Europol](#)

Mediterranean Migrant, Refugee Arrivals Top 100,000. *International Organization for Migration (IOM)* [Online]. 23 February 2016. Available from:

<http://www.iom.int/news/mediterranean-migrant-refugee-arrivals-top-100000> As of 22/2, Greece alone had received some 102,547 arrivals since the beginning of the year.

Number of migrants arriving in Greece down 40% in January. *Frontex* [Online].

22 February 2016. Available from: <http://frontex.europa.eu/pressroom/news/number-of-migrants-arriving-in-greece-down-40-in-january-Z6DPwo> The number of migrants arriving in Greece in January fell to 68 000, down nearly 40% in comparison with December 2015, due in large part to poor weather conditions around the Aegean islands.

Greece ready to handle refugee crisis, demands NATO deployment. *EurActiv* [Online].

24 February 2016. Available from: <http://www.euractiv.com/section/global-europe/news/greece-ready-to-handle-refugee-crisis-demands-nato-deployment/> Greece said on Tuesday (23 February) that it was ready to handle increased migrant flows, but wanted decisions taken by EU leaders last week to protect the passport-free travel Schengen zone to be respected by all members.

Statement by the NATO Secretary General on NATO support to assist with the refugee and migrant crisis. *North Atlantic Treaty Organization (NATO)* [Online]. 25 February 2016.

Available from: http://www.nato.int/cps/en/natohq/opinions_128372.htm NATO Defence Ministers took a swift decision two weeks ago to respond to the proposals by Germany, Greece and Turkey.

Norway steps up efforts to help refugees in Greece. *Government of Norway* [Online].

25 February 2016. Available from: <https://www.regjeringen.no/en/aktuelt/norge-okker-innsatsen-for-flyktninger-i-hellas/id2477134/> The authorities in Greece and Norway have agreed that an additional NOK 31 million of the funds provided to Greece under the EEA and Norway Grants should be used to deal with the flow of refugees into Greece.

NAVIGATION AND COMMUNICATIONS

BIG DATA: First Intelsat EpicNG Satellite Launched. By Greg Trauthwein.

Marine Electronics [Online]. 28 January 2016. Available from:

<http://www.marineelectronics.com/news/data-first-intelsat-218368> The launch yesterday of the Intelsat 29e, the first of the Intelsat EpicNG high throughput satellites, promises to usher in a new era of "Big Data" in the maritime sector, among others.

Peru promotes satellite control systems for foreign fishing vessels. Andina (Peru) [Online].

1 February 2016. Available from: <http://goo.gl/ZqVvLW> Peru is encouraging the use of satellite control systems among foreign fishing vessels to prevent foreign extraction of giant squids and bonito fish in Peruvian jurisdictional waters, Production Ministry-Produce informed.

Royal Caribbean cruise ship heading back to New Jersey after rough night at sea.

By Alex Vilarreal. *WESH Orlando* [Online]. 8 February 2016. Available from:

<http://www.wesh.com/news/royal-caribbean-cruise-ship-survives-rough-night-at-sea/37876308>

☛ Royal Caribbean says a cruise ship that suffered minor damage as it sailed through a storm, sending passengers to their cabins overnight, will turn around and head back to its home port of Cape Liberty, New Jersey, instead of continuing on its way to Cape Canaveral, Florida.

Naval navigation revolutionised by solid-state compass. Phys Org [Online].

5 February 2016. Available from: <http://phys.org/news/2016-02-naval-revolutionised-solid-state-compass.html>

A team of engineers from French and German companies has come together to improve the safety of ships at sea with a solid-state, electrostatic compass that can find true North without ever needing maintenance or replacement.

Europe calls time on ship navigation scheme despite risks at sea. Hellenic Shipping News

[Online]. 10 February 2016. Available from: <http://www.hellenicshippingnews.com/europe-calls-time-on-ship-navigation-scheme-despite-risks-at-sea/> A British-led initiative to create a back-up to satellite navigation systems for ships has been pulled after failing to garner interest from other European countries, despite its proponents pointing to the growing risk of disasters at sea.

Interview: Navigating the Ever Bigger Ships into the Future. World Maritime News [Online].

16 February 2016. Available from: <http://worldmaritimeneews.com/archives/183145/interview-navigating-the-ever-bigger-ships-into-the-future/> World Maritime News spoke with a representative of Raytheon Anschütz, a supplier of integrated navigation/bridge systems and navigation equipment, Mr Martin Richter, the company's Marketing Manager to find out more about navigation challenges and safety of ships.

Panasonic adds Telesat coverage for European shipping.

Marine Electronics and Communications [Online]. 16 February 2016. Available from:

http://www.marinemec.com/news/view_panasonic-adds-telesat-coverage-for-european-shipping_41866.htm Panasonic intends to use capacity on Telesat's Telstar 12 Vantage satellite to expand its mobile broadband services to the growing maritime markets in the Mediterranean and European waterways.

PIRACY

IMB: Maritime piracy hotspots persist worldwide despite reductions in key areas.

International Chamber of Commerce (ICC) [Online]. 2 February 2016. Available from: <http://www.iccwbo.org/News/Articles/2016/IMB-Maritime-piracy-hotspots-persist-worldwide-despite-reductions-in-key-areas/> Piracy and armed robbery on the world's seas is persisting at levels close to those in 2014, despite reductions in the number of ships hijacked and crew captured, the International Chamber of Commerce (ICC) International Maritime Bureau's (IMB) annual piracy report reveals.

Oil is now so cheap even pirates aren't stealing it any more. *Hellenic Shipping News* [Online]. 20 February 2016. Available from: <http://www.hellenicshippingnews.com/oil-is-now-so-cheap-even-pirates-arent-stealing-it-any-more/> Stealing crude also means finding a buyer for it, or else getting involved in the messy and dangerous business of illegal refining.

Piracy and Armed Robbery Against Ships in Asia in January 2016. *ReCAAP* [Online]. 17 February 2016. Available from: <http://goo.gl/1rSfEi>

Annual Report for January to December 2015. *ReCAAP* [Online]. 28 January 2016. Available from: <http://goo.gl/PJEUyT>

Piracy in the Gulf of Guinea: Dryad Maritime COO, Ian Millen, interviewed by Voice of America. *Dryad Maritime* [Online]. 23 February 2016. Available from: <http://www.dryadmaritime.com/dryad-maritime-coo-ian-millen-interviewed-by-voice-of-americas-david-arnold/> Ian and David discussed the five-month hiatus in Gulf of Guinea piracy and maritime crime in 2015, as well as the possible causes. PODCAST

Somalia has seen less piracy due to improved governance: expert. *Hellenic Shipping News* [Online]. 24 February 2016. Available from: <http://www.hellenicshippingnews.com/somalia-has-seen-less-piracy-due-to-improved-governance-expert/> Improved governance has contributed significantly to the reduction in pirate attacks off the coast of Somalia in the past few years, the Somali government and experts have said.

PORT STATE CONTROL

AMSA prohibits vessel from using Australian ports for second time.

Australian Maritime Safety Authority (AMSA) [Online]. 7 February 2016. Available from: https://www.amsa.gov.au/media/media-releases/2016/documents/feb/07022016_Media-Release_Noah-Satu-12-Month.pdf The Australian Maritime Safety Authority (AMSA) has directed that the 86 metre general cargo ship *Noah Satu* (IMO9313620) not enter or use any Australian port for the second time in less than twelve months.

Enclosed Spaces: Indian Ocean MoU Detained Eight Ships. *Maritime Executive* [Online]. 12 February 2016. Available from: <http://www.maritime-executive.com/article/enclosed-spaces-indian-ocean-mou-detained-eight-ships> Eight ships were detained during last year's Concentrated Inspection Campaign (CIC) on Crew Familiarization for Enclosed Space Entry, reports the Indian Ocean MoU.

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

UK Maritime & Coastguard Agency [Online]. 17 February 2016. Available from: <https://www.gov.uk/government/news/foreign-flagged-ships-under-detention-in-the-uk-during-january-2016> During January, there were six new detentions of a foreign flagged vessel in a UK port.

Concentrated Inspection Campaign on Crew Familiarization for Enclosed Space Entry in Paris MoU has raised awareness. *Paris MoU on Port State Control* [Online].

22 February 2016. Available from: <https://www.parismou.org/concentrated-inspection-campaign-crew-familiarization-enclosed-space-entry-paris-mou-has-raised> PSCO's in the Tokyo MoU and Paris MoU regions have performed a joint Concentrated Inspection Campaign (CIC) on Crew Familiarization for Enclosed Space Entry from 1 September through 30 November 2015.

PORTS AND HARBOURS

Despite Global Warming Suez Canal will remain preferred shipping route in coming decades new study suggests. By Malte Humpert. *Arctic Institute* [Online]. 4 February 2016.

Available from: <http://www.thearcticinstitute.org/2016/02/CBS-Maritime-Arctic-Shipping-Study.html> A new study on the commercial opportunities and challenges of Arctic shipping by researchers at Copenhagen Business School's Maritime Division finds that the navigation season on the Northern Sea Route (NSR) will remain too short for investments in ice-class vessels to be economically viable in the coming decades. [Arctic Shipping – Commercial Opportunities and Challenges](#) 

Port of L.A. terminal fails to comply with pollution-reduction mandates, officials say. By Tony Barboza and Jack Dolan. *Los Angeles Times* [Online]. 2 February 2016. Available from: <http://touch.latimes.com/#section/-1/article/p2p-85763639/> The Port of Los Angeles has failed to meet pollution-reduction requirements at another shipping terminal, city officials said Monday, their second such admission in recent months.

Panama Canal expansion to be complete by end of June - operator. By Elida Moreno.

Reuters [Online]. 3 March 2016. Available from: <http://www.reuters.com/article/us-panama-canal-idUSKCN0VD07T> After more than a year-long delay, a new set of larger locks for the Panama Canal will be complete by the end of June, the waterway's administrator said on Wednesday, after builders repaired cracks that had formed in the concrete walls.

China's Faltering But Nicaragua Isn't Giving Up on Canal Plans. By Michael D McDonald.

Bloomberg [Online]. 8 February 2016. Available from: <http://www.bloomberg.com/news/articles/2016-02-08/china-s-faltering-but-nicaragua-isn-t-giving-up-on-canal-plans> The latest: 12 months of construction delays on a key port just as financial turmoil in China deepens speculation the funding won't come through.

Kenya replaces Mombasa port management amid smuggling probe. By Joseph Akwiri.

Reuters [Online]. 16 February 2016. Available from: <http://af.reuters.com/article/investingNews/idAFKCN0VP0KX> Kenya Ports Authority said on Monday it had replaced senior managers at Mombasa port in response to pressure to tackle drug and ivory smuggling at East Africa's main trade gateway.

Enhancing Singapore as World's Leading Bunkering Hub through Standards.

Maritime and Port Authority of Singapore (MPA) [Online]. 16 February 2016. Available from: <http://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/dd0afe59-9681-4b4e-82f3-6f59946230f9> The world's first National Technical Reference for Bunker Mass Flow Metering (TR48 : 2015) was launched today in support of the Maritime and Port Authority of Singapore (MPA)'s and industry's initiative to use the mass flow metering (MFM) system for marine fuel oil deliveries in Singapore with effect from 1 January 2017.

Port of Skagen to develop stationary facilities for wastewater disposal.

By Rebecca Gibson. *Cruise and Ferry* [Online]. 24 February 2016. Available from: <http://www.cruiseandferry.net/articles/port-of-skagen-to-develop-stationary-facilities-for-wastewater-disposal> Denmark's Port of Skagen is to develop stationary Port Reception Facilities to enable visiting cruise ships to dispose of blackwater and greywater safely when in port.

RECYCLING OF SHIPS

NGO publishes 2015 list of all ships dismantled worldwide. *NGO Shipbreaking Platform* [Online]. 4 February 2016. Available from: <http://goo.gl/OwQyLb> Ship owners found to be irresponsible: data on shipbreaking practices in 2015 reveal appalling record. [List](#) 
[Facts and Figures](#) 

Maersk Group engages in the development of sustainable ship recycling in Alang, India. *Maersk* [Online]. 11 February 2016. Available from: <http://goo.gl/qy0tEq> The Maersk Group is determined to use its leverage to create more responsible recycling options and is thus announcing a commitment to help selected ship recycling yards in Alang to upgrade facilities and practices to comply with the company's standards.

Maersk end-of-life vessels to hit the beaches again. NGOs denounce container ship company's step back to boost profits.

NGO Shipbreaking Platform [Online]. 12 February 2016. Available from: <http://goo.gl/h9zDIK> The NGO Shipbreaking Platform and Transport and Environment (T&E) denounce Maersk Group's decision to beach their end-of-life vessels in India.

Ship recycling redefined. By Michael Grey.

Seatrade Maritime News [Online]. 17 February 2016. Available from: <http://www.seatrade-maritime.com/news/americas/ship-recycling-redefined.html> The Hong Kong Convention (HKC) for the Safe and Environmentally Recycling of Ships will have received a much needed endorsement with the recent reports that Maersk Line has elected to send some of their redundant ships to "compliant" shipyards in India.

'Naming and Shaming' Undermines Progress Made on Ship Beaching, Largest Cash Buyer Says.

gCaptain [Online]. 23 February 2016. Available from: <http://gcaptain.com/naming-and-shaming-undermines-progress-made-on-ship-beaching-largest-cash-buyer-says/> The world's largest cash buyer of ships for recycling is calling on the shipping industry to support the recycling businesses that are striving to improve their ship breaking facilities and practices in developing regions, and to not lambast those yards that are making progress.

REGULATIONS

What if shippers miss weight rule deadline? *Hellenic Shipping News* [Online].

1 February 2016. Available from: <http://www.hellenicshippingnews.com/what-if-shippers-miss-weight-rule-deadline/> It seems increasingly unlikely that all shippers will be ready to meet their new verified gross mass obligation in July.

Will the Amendments to Tanker Damage Stability Regulations affect a ship owner's fleet?

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

<http://www.hellenicshippingnews.com/will-the-amendments-to-tanker-damage-stability-regulations-affect-a-ship-owners-fleet/> January heralds the start of another year, and usually another round of new requirements and amendments to existing rules for the Ship Operator to meet.

Shipping industry facing new regulatory pressure on CO2 and sulfur: IBIA CEO.

By Beatrice Bedeschi. *Bunkerworld* [Online]. 29 January 2016. Available from:

<http://www.bunkerworld.com/news/140671> A clearer direction in the regulation of carbon emissions in shipping could emerge in two years, with options including a carbon levy and with the involvement of the industry in carbon emissions trading "a possibility," Peter Hall, chief executive of the International Bunker Industry Association, said.

Interesting times to make ballast water decisions. By Paul Gunton.

Passenger Ship Technology [Online]. 9 February 2016. Available from:

http://www.passengership.info/news/view.interesting-times-to-make-ballast-water-decisions_41756.htm There is no evidence that the expression is either Chinese or ancient, but it neatly sums up the current situation in the world of ballast water management.

Regulators move forward on transport emissions standards. By Frank Watson.

Bunkerworld [Online]. 9 February 2016. Available from:

<http://www.bunkerworld.com/news/140750> Regulators moved forward on efforts to limit greenhouse gas emissions from the transport sector this week, as momentum grows to tackle transport's environmental footprint in the wake of December's climate deal in Paris.

Public meeting - Container weight listening session. By Jodie Knox.

US Coast Guard Maritime Commons [Online]. 10 February 2016. Available from:

<http://mariners.coastguard.dodlive.mil/2016/02/10/2102016-public-meeting-container-weight-listening-session/> The Federal Maritime Commission, or FMC, is hosting a listening session on the amendments to SOLAS Regulation VI-2 regarding cargo information and verified gross mass of containers.

Ag shippers call for "reality check" before new shipping law is enforced.

By Patrick Burnson. *Logistics Management* [Online]. 11 February 2016. Available from:

http://www.logisticsmgmt.com/article/ag_shippers_call_for_reality_check_before_new_shipping_law_is_enforced When the Agriculture Transportation Coalition [AgTC] convenes its annual meeting in Long Beach this June, they hope that one issue will have been resolved before it causes shipping havoc the following month.

Fitch: US Ports Face Uncertainty with Global Weight Regulations. *Fitch Ratings* [Online].

11 February 2016. Available from: [https://www.fitchratings.com/site/fitch-](https://www.fitchratings.com/site/fitch-home/pressrelease?id=999367)

[home/pressrelease?id=999367](https://www.fitchratings.com/site/fitch-home/pressrelease?id=999367) The implementation of International Maritime Organization requirements to verify weights of shipping containers is generating uncertainty at US ports, Fitch Ratings says.

Call for Delay to Container Weighing Rule. *Maritime Executive* [Online]. 11 February 2016. Available from: <http://www.maritime-executive.com/editorials/call-for-delay-to-container-weighing-rule> The U.S. Agriculture Transportation Coalition (AgTC) says the new international container weight verification rule threatens U.S. exporters with lost business and supply chain turmoil.

AgTC Position Paper: Safety of Life at Sea (SOLAS) : Container Weight Documentation. *Agriculture Transportation Coalition (AgTC)* [Online]. February 2016. Available from:

<http://agtrans.org/wp-content/uploads/2016/02/AgTC-SOLAS-position-paper.pdf> 

On July 1, 2016 an amendment to the International Maritime Organization's Safety of Life at Sea (SOLAS) convention will go into effect requiring all shippers (importers and exporters) to certify and submit the Verified Gross Mass (VGM) - the combined weight of the cargo and the container - to the steamship line and terminal operator in advance of loading the container aboard a vessel -This is a dramatic change from current shipping practices.

Precia Molen offer the solutions for SOLAS – A new guide to container weighing regulations. *Precia Molen (UK) Ltd.* [Online]. 18 February 2016. Available from:

<http://goo.gl/mSyJnl> The new law which will come into force on the 1st July 2016 is an attempt to reduce the number of accidents at sea caused by wrongly declared shipping container weights. [Guide](#) 

Container Weight Rule Won't Carry Penalties in US -Coast Guard. *By Loretta Chao.*

Wall Street Journal [Online]. 18 February 2016. Available from:

<http://www.wsj.com/articles/container-weight-rule-wont-carry-penalties-in-us-coast-guard-1455835575> Shippers that fail to properly weigh containers won't face fines or other charges under a new rule, though they may find their goods left on the docks.

Shippers' Council says 'no' to additional fee under new IMO rules. *By Shabiya Ali Ahlam.*

Daily Mirror (Sri Lanka) [Online]. 23 February 2016. Available from:

<http://www.dailymirror.lk/105801/Shippers-Council-says-no-to-additional-fee-under-new-IMO-rules> The local shipping community has welcomed IMO's new container weight rule but stressed it was not willing to pay an additional fee for the process.

Takeaways from Assistant Commandant for Prevention Policy from Container weight listening session. *By Jodie Knox.* *US Coast Guard Maritime Commons* [Online]. 22 February 2016. Available from: <http://mariners.coastguard.dodlive.mil/2016/02/22/2222016-takeaways-from-assistant-commandant-for-prevention-policy-from-container-weight-listening-session/>

The so-called container weight regulation and the upcoming amendments have been the subject of much discussion in the business and maritime media, and have caused some concern and confusion in the industry.

SALVAGE

Weather Prevents Salvors from Boarding Listing Car Carrier. By Mike Schuler. *gCaptain* [Online]. 28 January 2016. Available from: <https://gcaptain.com/weather-prevents-salvors-from-boarding-modern-express-car-carrier/> 📹 The Panamanian-flagged car carrier *Modern Express* continues to drift eastward in the Bay of Biscay as salvors assess options for saving the stricken ship.

Sewol salvage operations face month-long delay. By Yoon Min-sik. *Korea Herald* [Online]. 28 January 2016. Available from: <http://www.koreaherald.com/view.php?ud=20160128000867> The government said Thursday that the salvage operations of *Sewol* ferry are expected to conclude by around late July, a month behind schedule.

Dutch Firm to Right *Modern Express*. *World Maritime News* [Online]. 12 February 2016. Available from: <http://worldmaritimeneews.com/archives/182886/dutch-firm-to-right-modern-express/> The ill-fated car carrier *Modern Express* could soon be righted as the Dutch Koninklijke Roeiers Vereniging Eendracht (KRVE) has been hired for the job.

The dangerous business of ship salvage. *Hellenic Shipping News* [Online]. 15 February 2016. Available from: <http://www.hellenicshippingnews.com/the-dangerous-business-of-ship-salvage/> Workers dodge toxic fumes, fires, falling blocks of steel and explosions.

SEAFARERS

Unpaid crew face prosecution in Colombia. By Sam Chambers. *Splash 24/7* [Online]. 1 February 2016. Available from: <http://splash247.com/unpaid-crew-face-prosecution-in-colombia/> Eighteen crewmembers onboard the 20-year-old *Agatis* bulk carrier, unpaid for months, and stranded in Barranquilla, Colombia since November are being threatened by local authorities for not leaving port.

Statement of the Crew of the *CSL Melbourne*. *Maritime Union of Australia (MUA)* [Online]. 1 February 2016. Available from: http://www.mua.org.au/statement_of_the_crew_of_the_csl_melbourne We the crew of the *CSL Melbourne* are asking for genuine responses and commitments before we sail this vessel to Singapore where our jobs will be replaced by highly exploited workers on Flag of Convenience vessels.

Seafarers UK launches new theme for Seafarers Awareness Week (20-26 June 2016). *Seafarers UK* [Online]. 3 February 2016. Available from: <http://www.seafarersawarenessweek.org/seafarers-awareness-week-news/75-seafarers-uk-launches-new-theme-for-seafarers-awareness-week-20-26-june-2016/> Announcing the theme Maritime Jobs for Future Generations, Seafarers UK has launched its Seafarers Awareness Week 2016 campaign, with the focus on promoting maritime career opportunities, both at sea and ashore.

Police Remove Aussie Crew from *CSL Melbourne*. *World Maritime News* [Online]. 5 February 2016. Available from: <http://worldmaritimeneeds.com/archives/182321/police-remove-aussie-crew-from-csl-melbourne/> After several days of refusing to sail the ship to Singapore, the Aussie crew of the *CSL Melbourne* bulk carrier have been removed from the ship by armed police officers earlier this morning, The Sydney Morning Herald reports.

First Family Impact Statement of the Missing Seafarers Reporting Programme published. *Human Rights at Sea (HRAS)* [Online]. 10 February 2016. Available from: <http://humanrightsatsea-news.org/2016/02/10/first-family-impact-statement-of-the-missing-seafarers-reporting-programme-published/> Human Rights at Sea announces the publication of the first Family Impact Statement as part of its wider case study and investigation work on cases of missing seafarers and fishers who have been registered on the charity's Missing Seafarers Reporting Programme. [Nakis Family Impact Statement](#) 

S'pore officers union recovers \$1.94m in unpaid seafarer wages in 13 months. **By Marcus Hand.** *Seatrade Maritime News* [Online]. 11 February 2016. Available from: [http://www.seatrade-maritime.com/news/asia/spore-officers-union-recovers-\\$194m-in-unpaid-seafarer-wages-in-13-months.html](http://www.seatrade-maritime.com/news/asia/spore-officers-union-recovers-$194m-in-unpaid-seafarer-wages-in-13-months.html) As much of the shipping industry endures tough times cases of unpaid and stranded seafarers unfortunately tend to increase.

The Perils of Protecting Against Pirates. *BBC World Service* [Online]. 10 February 2016. Available from: <http://www.bbc.co.uk/programmes/p03j4y3r>  The task of the people on board the *Seaman Guard Ohio* was to protect some of the world's busiest shipping routes from pirates.

ITF notes achievements of ILO meeting. *International Transport Workers' Federation* [Online]. 12 February 2016. Available from: <http://www.itfglobal.org/en/news-events/press-releases/2016/february/itf-notes-achievements-of-ilo-meeting/> Speaking from the proceedings, ITF seafarers' section chair and ILO Seafarers' Group spokesperson Dave Heindel, said: "It's great to see these two meetings – the ILO MLC Special Tripartite Committee (STC) and the Ad Hoc Tripartite Maritime Committee for the amendment of Convention 185 – build on the existing provisions.

Paddy Crumlin discusses *MV Portland* at ILO in Geneva. *Maritime Union of Australia (MUA)* [Online]. 12 February 2016. Available from: <https://www.youtube.com/watch?v=WG2L8urQBQ0>  International Transport Workers' Federation President and Maritime Union of Australia's National Secretary Paddy Crumlin speaks at the International Labour Organisation Special Tripartite Committee Maritime Labour Convention held in Geneva about the *MV Portland*.

Ukraine Blacklists All Crew Visiting Crimean Ports. *Maritime Executive* [Online]. 16 February 2016. Available from: <http://www.maritime-executive.com/article/ukraine-blacklists-all-crew-visiting-crimean-ports> Ukraine's SBU security service has announced that it is blacklisting foreign seafarers who have visited Crimean ports for three years, extending its crackdown on Crimean shipping to individual crewmembers in addition to vessels.

ICS Welcomes Progress on ILO Seafarers' Identity Documents Convention. *International Chamber of Shipping (ICS)* [Online]. 18 February 2016. Available from: <http://www.ics-shipping.org/news/press-releases/2016/02/18/ics-welcomes-progress-on-ilo-seafarers-identity-documents-convention> The International Chamber of Shipping, as the Secretariat for the Shipowner Group at the International Labour Organization (ILO), co-ordinated employers' representatives at the Ad Hoc Tripartite Maritime Committee on the Seafarers' Identity Documents Convention (Revised), 2003 (No. 185), held in Geneva from 10 to 12 February 2016.

Sailors' Society, The Mission to Seafarers chosen as supported charities at 9th Seatrade Maritime Awards Asia. *Seatrade Maritime News* [Online]. 18 February 2016. Available from: <http://www.seatrade-maritime.com/news/americas/sailors-society-the-mission-to-seafarers-chosen-as-supported-charities-at-9th-seatrade-maritime-awards-asia.html> The 9th Seatrade Maritime Awards Asia will return to Singapore on 15 July 2016, in celebration of the achievements of the industry and recognising the efforts of seafarers – the unsung heroes of the maritime market.

Crew Stranded as Vessel Operator Goes Bankrupt. *Maritime Executive* [Online]. 24 February 2016. Available from: <http://www.maritime-executive.com/article/crew-stranded-as-vessel-operator-goes-bankrupt> The Port Authority of Tampico, Mexico is holding the geared general cargo ship *Yacu Kallpa* on allegations that her crew have not been paid, says port manager Armando Mendez Reyes.

SEARCH AND RESCUE

Rescue role for former trawler. By Tom Todd. *Maritime Journal* [Online]. 1 February 2016. Available from: <http://www.maritimejournal.com/news101/vessel-build-and-maintenance/vessel-repair-and-maintenance/rescue-role-for-former-trawler> German shipyard Pella Sietas in Hamburg-Neuenfelde has taken on the former British trawler and fishery research ship '*Clupea*', which is being overhauled and refitted by March for service as a refugee rescue ship in the Mediterranean.

National plan to counter maritime disasters conducts exercise "search and rescue 37". *Saudi Press Agency* [Online]. 10 February 2016. Available from: <http://www.spa.gov.sa/viewstory.php?lang=en&newsid=1465680> The official spokesman of the Border Guard and the Committee's Secretary Commodore said the exercise came in implementation of the directives of the Crown Prince for continuous development of skills and preparations of security men in carrying out their duties to maintain security and safety in the framework of implementing the Kingdom's missions within the International Convention on Maritime Search and Rescue for the year 1979.

IMO Considers Search and Rescue Management Changes. By Wendy Laursen. *Maritime Executive* [Online]. 11 February 2016. Available from: <http://www.maritime-executive.com/features/imo-considers-search-and-rescue-management-changes> The IMO's sub-committee on Navigation, Communications and Search and Rescue will meet on February 29, and the International Maritime Rescue Federation (IMRF) is asking the committee to consider some important changes to search and rescue requirements.

Man falls from one cruise ship, is rescued by another five hours later. By Mayra Cuevas. *CNN* [Online]. 16 February 2016. Available from: <http://edition.cnn.com/2015/01/13/us/man-overboard-cruise-rescue/>  A man who fell from a Royal Caribbean cruise ship off the coast of Cozumel, Mexico, was rescued by a Disney cruise ship after passengers spotted him on the water, Mexican authorities say.

International Maritime Rescue Federation to Support Rescue Services in the Aegean. *International Maritime Rescue Federation* [Online]. 23 February 2016. Available from: <http://international-maritime-rescue.org/10-news/1948-international-maritime-rescue-federation-to-support-rescue-services-in-the-aegean> The IMRF will do this with the support of European maritime search and rescue (SAR) organisations who are also IMRF members.

SHIPBUILDING AND SHIPREPAIR

Seafarers invited to help manufacturers improve onboard design. *Nautical Institute* [Online]. 4 February 2016. Available from: <http://www.nautinst.org/en/Media/press/index.cfm/CIRM> The Nautical Institute and CIRM (the principal international association for marine electronics companies) today launched a joint initiative to improve the usability of navigation and communication technology on board ships.

European yards still leading the market for advanced maritime technology, insists German shipbuilding head. By Charlie Bartlett. *Seatrade Maritime News* [Online]. 8 February 2016. Available from: <http://www.seatrade-maritime.com/news/europe/european-yards-still-leading-the-market-for-advanced-maritime-technology-insists-german-shipbuilding-head.html> In shipping, at least, manufacturing in Europe is often characterised as one on a cliff-edge, poised to fall towards enormous shipbuilding factories in China, Korea and Japan as if by sheer, inexorable force of gravity.

VIDEO: Ovation of the Seas Unveiled. *World Maritime News* [Online]. 19 February 2016. Available from: <http://worldmaritimeneews.com/archives/183475/video-ovation-of-the-seas-unveiled/>  Built for the US cruise operator Royal Caribbean Cruises, the 168,666-gross ton vessel was constructed in 18 months, and is expected to join the owner's fleet in spring this year.

SHIPPING

Increasing use of so-called Flag of Convenience shipping in Australia: Submissions to Senate Committee. *Parliament of Australia* [Online]. December 2015. Available from: http://www.apf.gov.au/Parliamentary_Business/Committees/Senate/Rural_and_Regional_Affairs_and_Transport/Shipping/Submissions An inquiry into the increasing use of so-called Flag of Convenience shipping in Australia.

Terrorists and criminals find foreign ships 'attractive'. By Owen Jacques. *Sunshine Coast Daily (Australia)* [Online]. 29 January 2016. Available from: <http://www.sunshinecoastdaily.com.au/news/the-rising-tide-of-terror/2914039/> Australia's major ports including those in regional Queensland could become "attractive" to criminals and terrorists if the government loosens the rules to allow more foreign ships to service local ports.

New Indonesian policy package addresses some shipping issues. By Vincent Wee. *Seatrade Maritime News* [Online]. 29 January 2016. Available from: <http://www.seatrade-maritime.com/news/asia/new-indonesian-policy-package-addresses-some-shipping-issues.html> Indonesia's latest policy package will see plans to integrate billing for port services that are operated state-owned enterprises into a single billing system, local reports said.

UK national maritime single window: launch of pilot. *UK Department for Transport* [Online]. 28 January 2016. Available from: <https://www.gov.uk/government/publications/uk-national-maritime-single-window-launch-of-pilot> The UK's implementation of Directive 2010/65/EU has been launched as a pilot. [National Maritime Single Window \(Pilot\) Guideline for Use](#) 

China launches new shipping route to Middle East. *Xinhuanet (China)* [Online]. 1 February 2016. Available from: http://news.xinhuanet.com/english/2016-02/01/c_135064758.htm? A new shipping route linking Qinzhou Port in the Beibu Gulf, south China's Guangxi Zhuang Autonomous Region, and Iran has been launched, sources with Guangxi Beibu Gulf Int. Port Group said Monday.

ABS, COSCO Sign Cooperation Agreement. *ABS (American Bureau of Shipping)* [Online]. 2 February 2016. Available from: http://ww2.eagle.org/en/news/press-room/2016/ABS_COSCO_Sign_Cooperation_Agreement.html Parties bring together technical capabilities on trans-Arctic shipping.

UK shipowners call for reform of ship register. By Bob Jaques. *Seatrade Maritime News* [Online]. 2 February 2016. Available from: <http://www.seatrade-maritime.com/news/europe/uk-shipowners-call-for-reform-of-red-ensign.html> Speaking at last night's annual dinner of the UK Chamber of Shipping (CoS), president Tom Boardley called for "real, tangible reform" of the UK Ship Register.

Environment Commissioner Vella's scrubber visit in Ghent. *European Community Shipowners' Associations (ECSA)* [Online]. 1 February 2016. Available from: <http://www.ecsa.eu/9-latest-news/235-environment-commissioner-vella-s-scrubber-visit-in-ghent> European Environment Commissioner Karmenu Vella visited last Friday the DFDS vessel "Magnolia Seaways" in the port of Ghent.

Iran Container Ships Set for Europe Sailings After Five Years. *Hellenic Shipping News* [Online]. 1 February 2016. Available from: <http://www.hellenicshippingnews.com/iran-container-ships-set-for-europe-sailings-after-five-years/> Iran's biggest shipping line hopes to start calling again at European ports, with plans for a bi-weekly service connecting India, Iran and Europe as early as next month, according to people familiar with the matter.

UN shipping chief: Climate change is 'top priority'. By Megan Darby. *Climate Home* [Online]. 3 February 2016. Available from: <http://www.climatechangenews.com/2016/02/02/un-shipping-chief-climate-change-is-top-priority/> The International Maritime Organization is set to consider an emissions target in April, says newly appointed head Kitack Lim.

Women in Shipping: Karin Orsel, President WISTA. By Karin Orsel. *CrewConnect Blog* [Online]. 1 February 2016. Available from: <http://www.crewconnectblog.com/karin-orsel/> For the first of our monthly blog posts, 'Women in Shipping', within which members of Women's International Shipping & Trading Association will discuss their experiences, thoughts and opinions, we have the President of WISTA herself, Karin Orsel.

Microsoft research project puts cloud in ocean for the first time. By Athima Chansanchai. *Microsoft* [Online]. 1 February 2016. Available from: <http://news.microsoft.com/features/microsoft-research-project-puts-cloud-in-ocean-for-the-first-time/> ♀ In 2015, starfish, octopus, crabs and other Pacific Ocean life stumbled upon a temporary addition to the seafloor, more than half a mile from the shoreline: a 38,000-pound container. But in the ocean, 10 feet by 7 feet is quite small.

UK Chamber President calls for "real and tangible reform" of UK Ship Register. *UK Chamber of Shipping* [Online]. 2 February 2016. Available from: <https://www.ukchamberofshipping.com/latest/uk-chamber-president-calls-real-and-tangible-reform-uk-ship-register/> UK Chamber President, Tom Boardley last night called on the government to deliver "real and tangible reform" of the UK Ship Register.

This is the weak link in global security. By Ami Daniel. *CNBC* [Online]. 4 February 2016. Available from: <http://www.cnbcm.com/2016/02/04/global-shipping-industry-needs-regulation-commentary.html> In October 2015, a cargo ship flying a Liberian flag left Rio de Janeiro.

Ship shape: Clean future for shipping. By Anmar Frangoul. *CNBC* [Online]. 4 February 2016. Available from: <http://www.cnbc.com/2016/02/04/ship-shape-clean-future-for-shipping.html> With about 50,000 merchant ships trading across the seas, the shipping industry is responsible "for the carriage of around 90 percent of world trade," according to the International Chamber of Shipping.

DNV GL and Russian Maritime Register of Shipping sign cooperation agreement. By Nikos Späth. *DNV GL* [Online]. 3 February 2016. Available from: <https://www.dnvgl.com/news/dnv-gl-and-russian-maritime-register-of-shipping-sign-cooperation-agreement-56129> During the talks, DNV GL and RS expressed satisfaction at the positive experience of cooperation in dual classification of ships.

A bay pilot spends his nights guiding massive ships through the bay's tricky waters. By Holly Morse-Ellington. *Baltimore City Paper (US)* [Online]. 27 January 2016. Available from: <http://www.citypaper.com/news/features/bcp-0127-night-ship-captain-20160127-story.html> It is 9 p.m. on a cold January night. Capt. Al Watts climbs the rope rungs of a ladder to board the cargo ship that sits in the harbor loaded with 5,000 cars that range from Chryslers to Mercedes.

Greek shipping 'under attack from many quarters': UGS. By David Glass. *Seatrade Maritime News* [Online]. 8 February 2016. Available from: <http://www.seatrade-maritime.com/news/europe/greek-shipping-under-attack-from-many-quarters-ugs.html> A feisty Theodore Veniamis, president of the Union of Greek Shipowners, pulled no punches when he told fellow shipowners gathered for the UGS agm, on 3 February, that Greek shipping is under attack from many quarters.

Safe, secure and clean: Malta's shipping record gets a boost in 2015. *Malta Today* [Online]. 8 February 2016. Available from: http://www.maltatoday.com.mt/business/business_news/61794/safe_secure_and_clean_maltas_shipping_record_gets_a_boost_in_2015 Transport Malta has along the years developed a very strong regulatory platform that has enabled the Malta Flag to become a reputable and internationally recognised ship register.

Shipping Left Out in Climate Pact, Industry Deals with It. *Hellenic Shipping News* [Online]. 9 February 2016. Available from: <http://www.hellenicshippingnews.com/shipping-left-out-in-climate-pact-industry-deals-with-it-7/> Shipping was not specifically mentioned in the landmark Paris climate agreement reached among 195 nations in December, but the industry still has a role to play in the reduction of CO2 emissions worldwide.

Arctic shipping passage 'still decades away'. By John Vidal. *The Guardian* [Online]. 9 February 2016. Available from: <http://www.theguardian.com/environment/2016/feb/09/arctic-shipping-passage-still-decades-away> It will be decades before big cargo ships link China and northern Europe by taking a shortcut through the Arctic Ocean, a report predicts.

Freedom of shipping lanes essential to prosperity: MD. By Nicole Forrest Green. *Australian Naval Institute* [Online]. 7 February 2016. Available from: <http://navalinstitute.com.au/freedom-of-shipping-lanes-essential-to-prosperity-md/> Interview with Australia's Defence Minister Senator Marise Payne.

Shipping navigating country to economic recovery: Anastasiades. By George Psyllides.

Cyprus Mail [Online]. 6 February 2016. Available from: <http://cyprus-mail.com/2016/02/06/shipping-navigating-country-to-economic-recovery-anastasiades/> Cyprus' shipping sector has evolved into one of the leading sectors of the economy in recent years and is navigating the island to economic recovery, President Nicos Anastasiades has said.

Iran, Oman launch shipping route. *Press TV (Iran)* [Online]. 5 February 2016. Available from: <http://www.presstv.ir/Detail/2016/02/05/448826/Iran-Oman-launch-shipping-route> The route that has been established between Iran's Shahid Rajaei and the Omani port of Sohar was made operational on 4 February 2016.

China Cosco-China Shipping Development Co Ltd Merger: A Game-Changer for the Global Shipping Industry. By Baber Saeed.

China Business News (CBN) [Online]. 5 February 2016. Available from: <http://www.chinabusinessnews.com/2293-china-coscochina-shipping-development-co-ltd-merger-a-gamechanger-for-the-g/> China Cosco Shipping Corporation, the gargantuan shipping organization established as a result of the merger between CHINA COSCO HLDGS 'H' CNY1 (OTCMKTS:CICOF) and China Shipping Group, is all set to become a game changer in the global shipping industry.

ICS Defends Open Registries, Australia Not So Sure. *Maritime Executive* [Online].

9 February 2016. Available from: <http://www.maritime-executive.com/article/ics-defends-open-registries-australia-not-so-sure> The International Chamber of Shipping (ICS) has published its Shipping Industry Flag State Performance Table for 2015/2016 pointing to the positive performance of open registries (sometimes referred to as flags of convenience).

Wärtsilä Ballast Water Management System chosen for new crane ship design.

Wärtsilä Corporation [Online]. 9 February 2016. Available from: <http://www.wartsila.com/media/news/09-02-2016-wartsila-ballast-water-management-system-chosen-for-new-crane-ship-design> A new crane ship designed by Netherlands based Royal IHC, a global leader in offshore, dredging and mining vessels, will feature the Wärtsilä Aquarius UV Ballast Water Management System (BWMS).

Mega ships: boom or bust? *Bulletin Panama* [Online]. 9 February 2016. Available from:

<http://thebulletinpanama.com/2016/02/mega-ships-boom-or-bust/> Ship breakers are watching with much interest the evolution of mega ships – not in admiration, but as a future source of metal recycling.

Guidelines for training of personnel on ships subject to the Polar Code. By Jodie Knox.

US Coast Guard Maritime Commons [Online]. 10 February 2016. Available from: <http://mariners.coastguard.dodlive.mil/2016/02/10/2102016-guidelines-for-training-of-personnel-on-ships-subject-to-the-polar-code/> The Coast Guard has published OES Policy Letter 01-16 to provide guidance for the training of personnel on ships subject to the international code for ships operating in polar waters. [Policy Letter](#) 

Russia Formalizes New Arctic Shelf Claim. *Maritime Executive* [Online]. 10 February 2016.

Available from: <http://www.maritime-executive.com/article/russia-formalizes-new-arctic-shelf-claim> The claim is part of a long-term effort to claim territory and mineral rights under the polar ice cap.

Infographic: Top 10 Shipowning Nations by Value. *World Maritime News* [Online]. 10 February 2016. Available from: <http://worldmaritimeneeds.com/archives/182683/infographic-top-10-shipowning-nations-by-value/> Today we look at an infographic showing Top 10 Shipowning Nations by Value (USD Millions), including the percentage change difference against 2015, provided by VesselsValue.

Saudi Arabia, Bahrain ban Iranian ships from ports - reports. By Jonathan Saul. *Reuters* [Online]. 9 February 2016. Available from: <http://www.reuters.com/article/iran-shipping-saudi-idUSL8N15N37K> Feb 9 Saudi Arabia and Bahrain have banned Iranian-flagged vessels from entering their waters and imposed other shipping restrictions, according to ship insurers citing local reports, potentially escalating tensions between Tehran and Riyadh.

U.S. Touts 'Batman' Ship as Obama Courts Southeast Asian Leaders. By David Tweed and Toluse Olorunnipa. *Bloomberg* [Online]. 12 February 2016. Available from: <http://www.bloomberg.com/politics/articles/2016-02-11/u-s-touts-batman-ship-as-obama-courts-southeast-asian-leaders> U.S. officials are looking to superheroes in their quest to preserve Asia's postwar security order in the face of an increasingly assertive China.

CSCL Indian Ocean grounding must serve as a wake-up call. By Tobias Koenig. *Splash 24/7* [Online]. 12 February 2016. Available from: <http://splash247.com/cscl-indian-ocean-grounding-must-serve-as-a-wake-up-call/> The recent grounding of the 19,000 teu container vessel CSCL *Indian Ocean* was close to being a real catastrophe.

Kiwi brothers invent world's first portable container weighing scale. *One News (New Zealand)* [Online]. 15 February 2016. Available from: <https://www.tvnz.co.nz/one-news/new-zealand/kiwi-brothers-invent-worlds-first-portable-container-weighing-scale.html> Two brothers from Dunedin have invented a weighing system that will help with new shipping laws to be enforced this year.

Maersk CEO on Results and Future Climate. *Port Technology International* [Online]. 12 February 2016. Available from: <https://www.porttechnology.org/news/maersk-ceo-on-results-and-future-climate> A video released by Maersk shows a video interview with Nils Anderson, CEO of Maersk, in which he discusses the recent financial results of the company, which saw a more than US\$1 billion decrease in profits compared to the previous year.

Sea Trade's Problems Multiplying – Ready For A Top Up? *Clarkson Research Services Limited (CRSL)* [Online]. 12 February 2016. Available from: <https://clarksonresearch.wordpress.com/> The recycling market has started 2016 with a bang, with a huge volume of tonnage heading to demolition facilities.

DP World to offer container weighing solution for the UK. *Hellenic Shipping News* [Online]. 16 February 2016. Available from: <http://www.hellenicshippingnews.com/dp-world-to-offer-container-weighing-solution-for-the-uk/> DP World London Gateway and DP World Southampton will be offering a comprehensive weighing service for UK exporters to determine the Verified Gross Mass (VGM) of each container so that UK businesses can be compliant with new legislation from the 1st July 2016.

Will biofuels become a significant alternative fuel for shipping? By Marcus Hand. *Seatrade Maritime News* [Online]. 16 February 2016. Available from: <http://www.seatrade-maritime.com/news/americas/will-biofuels-become-significant-alternative-fuel-for-shipping.html> When it comes to alternative fuel for ships LNG and batteries have received the most public attention, but GoodFuels is pushing another alternative – biofuels – which it believes will become a significant part of the fuel mix for shipping in the future.

Member States discuss new proposal on fishing authorisations.

European Commission Fisheries [Online]. 15 February 2016. Available from: http://ec.europa.eu/newsroom/mare/itemdetail.cfm?item_id=29200 In Brussels today Commissioner for Maritime Affairs and Fisheries Karmenu Vella will be presenting to the agriculture and fisheries sections of the Council of the European Union a Commission's proposal on the sustainable management of external fishing fleets.

Spain seeks to reopen 'motorway of the sea' with EU funding. *EurActiv* [Online].

17 February 2016. Available from: <http://www.euractiv.com/section/transport/news/spain-seeks-to-reopen-motorway-of-the-sea-with-eu-funding/> Spain has asked the European Union for €3 million to resume its so-called 'motorway of the sea' between Gijón in Northern Spain and Saint Nazaire in Western France.

New shipping container weight rules raise new port wait fears. By Timothy Renshaw.

Business Vancouver [Online]. 16 February 2016. Available from: <https://www.biv.com/article/2016/2/new-shipping-container-weight-rules-raise-new-port> Shippers, freight forwarders and other links in the local logistics chain are hoping to head off another potential roadblock in containerized goods movement through Port Metro Vancouver (PMV).

Antitrust: Commission seeks feedback on commitments offered by container liner shipping companies. *European Commission* [Online]. 16 February 2016. Available from:

http://europa.eu/rapid/press-release_IP-16-317_en.htm The European Commission is inviting comments from interested parties on commitments offered by fifteen container liner shipping companies to address concerns relating to concerted practices.

New low for Northern Sea Route. By Atle Staalesen. *Independent Barents Observer* (Norway) [Online]. 15 February 2016. Available from:

<http://www.thebarentsobserver.com/industry/2016/02/historical-low-northern-sea-route> The Northern Sea Route is on top of Russia's Arctic agenda, but route trans-shipments in 2015 were on their lowest level in years.

Migration crisis: shipping within a humanitarian storm. By Eva Grey.

Ship-Technology.Com [Online]. 17 February 2016. Available from: <http://www.ship-technology.com/features/featuremigration-crisis-shipping-within-a-humanitarian-storm-4813980/> As the migration crisis unfolding at the heart of Europe rages on, thousands of merchant ships are involved in search and rescue operations of people stranded at sea.

Arctic shipping routes may be open by 2080. *UK National Oceanography Centre (NOC)*

[Online]. 17 February 2016. Available from: <http://noc.ac.uk/news/arctic-shipping-routes-may-be-open-2080> Commercial summer shipping across the North Pole may be possible by the end of the century, with the first potential crossings feasible for ice-strengthened ships around 2040.

European shipowners showcase Short Sea Shipping. *European Community Shipowners' Associations (ECSA)* [Online]. 16 February 2016. Available from:

<http://www.ecsa.eu/9-latest-news/237-european-shipowners-showcase-short-sea-shipping> During a high level meeting organised by the Dutch Presidency of the Council yesterday in Amsterdam, ECSA presented its new brochure on the merits of short sea shipping. [Brochure](#)  [Presentation](#) 

Future Development of the Northern Sea Route. By Bjørn Gunnarson. *Maritime Executive*

[Online]. 18 February 2016. Available from: <http://www.maritime-executive.com/editorials/future-development-of-the-northern-sea-route> On June 8, 2015, the Russian government released the Russia's Integrated Development Plan for the Northern Sea Route 2015-2030.

China launches new shipping giant to battle downturn. By Brenda Goh. *Reuters* [Online]. 18 February 2016. Available from: <http://www.reuters.com/article/us-china-shipping-cosco-idUSKCN0VR0AK> China on Thursday launched a challenge to global shippers AP Moller Maersk (MAERSKb.CO) and Mitsui OSK Lines (9104.T), but analysts said the giant company must slim down its workforce and order book to weather one of the industry's worst-ever slumps.

Isle of Man Ship Registry's Online System Hailed a Great Success.

Government of the Isle of Man [Online]. 17 February 2016. Available from: <https://www.gov.im/news/2016/feb/17/isle-of-man-ship-registry-online-system-hailed-a-great-success/> The implementation of a new system by the Isle of Man Ship Registry for processing online applications for Standards of Training, Certification and Watchkeeping for Seafarers (STCW) endorsements has been hailed a great success by its clients.

Suez Canal conference brings shipping industry together. By Al-Masry Al-Youm.

Egypt Independent [Online]. 22 February 2016. Available from: <http://www.egyptindependent.com/news/suez-canal-conference-brings-shipping-industry-together> The event was attended by the head of the Suez Canal Authority, Mohab Mamish, and a number of ministers and international company representatives.

Bulk shippers hit by perfect storm as global economic doldrums take toll. By Saikat Chatterjee and Tara Joseph.

Reuters [Online]. 21 February 2016. Available from: <http://uk.reuters.com/article/uk-china-shipping-idUKKCN0VU00N> Off the coast of a nearly deserted island below the southern tip of Hong Kong, at least 10 massive ships that normally carry hundreds of thousands of tons of coal or iron ore lie idle near one of the world's busiest sea routes.

DNV GL approves first vessel to comply with IMO Polar Code. By Simon David Adams.

DNV GL [Online]. 19 February 2016. Available from: <https://www.dnvgl.com/news/dnv-gl-approves-first-vessel-to-comply-with-imo-polar-code-58093> After a successful survey, DNV GL and the Danish Maritime Authority can confirm that the AHTS Magne Viking, owned by Viking Supply Ships, is in compliance with the new IMO Polar Code.

Increased at Suez Canal traffic could increase risk, warns Braemar Shipping Services. By Charlie Bartlett.

Seatrade Maritime News [Online]. 23 February 2016. Available from: <http://www.seatrade-maritime.com/news/middle-east-africa/increased-at-suez-canal-traffic-could-increase-risk-warns-braemar-shipping-services.html> Various risks arise as traffic increases at newly upgraded Suez Canal, Braemar Shipping Services Asia has warned.

Qatargas, Maersk, Shell in LNG marine fuel partnership. By Unni Einemo.

Bunkerworld [Online]. 22 February 2016. Available from: <http://www.bunkerworld.com/news/Qatargas-Maersk-Shell-in-LNG-marine-fuel-partnership-140879> Qatargas, the Maersk Group and Shell have signed a Memorandum of Understanding to explore the development of LNG as a marine fuel in the Middle East region, Qatargas said on Monday.

Carbon War Room Launches Shipping Efficiency Advisory Board.

Hellenic Shipping News [Online]. 24 February 2016. Available from: <http://www.hellenicshippingnews.com/carbon-war-room-launches-shipping-efficiency-advisory-board/> Six leaders and influencers from across the shipping industry will join global NGO Carbon War Room's (CWR's) Shipping Operation Advisory Board.

Leave campaigns 'not done enough' to explain UK outside of the EU.

UK Chamber of Shipping [Online]. 23 February 2016. Available from: <https://www.ukchamberofshipping.com/latest/leave-campaigns-not-done-enough-explain-uk-outside-eu/> The campaigns to leave the European Union have not yet done enough to explain what the UK economy will look like outside of the EU, according to the UK Chamber of Shipping.

SSI releases 'Progress to 2015 – a sustainable future for shipping'.

Sustainable Shipping Initiative (SSI) [Online]. 15 February 2016. Available from: <http://ssi2040.org/featured/ssi-releases-progress-to-2015-a-sustainable-future-for-shipping/> The Progress Report details the key achievements, as well as the significant body of work that has been conducted by SSI members to actively engage with, drive debate and inspire change within shipping. [Progress to 2015: A future for sustainable shipping](#) 

UK Chamber wins 'Best Shipping Body' award. *UK Chamber of Shipping* [Online].

23 February 2016. Available from: <https://www.ukchamberofshipping.com/latest/uk-chamber-wins-best-shipping-body-award/> The UK Chamber of Shipping has won the 'Best Shipping Body' category at the 2016 Trade Finance Global Shipping Awards.

ClassNK updates its Guidelines on the Installation of BWT Systems. *ClassNK* [Online].

24 February 2016. Available from: http://www.classnk.com/hp/en/hp_news.aspx?id=1799&type=press_release&layout=1 The latest Guidelines include alterations to the application date of the ballast water performance standard, additions and modifications of definitions, and a revision of standards for installation of ballast water treatment systems.

On Seven Ships, Artists Join the Crew. *Maritime Executive* [Online]. 24 February 2016.

Available from: <http://www.maritime-executive.com/article/for-seven-ships-new-crewmembers-artists> The Container Artist Residency, in conjunction with ZIM Integrated Shipping Services, has announced the winners of an open call for applicants for its first-ever artists' residencies at sea program.

RESEARCH

Arctic Shipping - Commercial Opportunities and Challenges. By Carsten Ørts Hansen, Peter Gronstedt, Christian Lindstrom Graversen, and Christian Hendriksen.

Copenhagen Business School [Online]. January 2016. Available from: [https://services-webdav.cbs.dk/doc/CBS.dk/Arctic Shipping - Commercial Opportunities and Challenges.pdf](https://services-webdav.cbs.dk/doc/CBS.dk/Arctic%20Shipping%20-%20Commercial%20Opportunities%20and%20Challenges.pdf) 

This report forms part of the ambitious CBS Maritime research initiative entitled "Competitive Challenges and Strategic Development Potential in Global Maritime Industries" which was launched with the generous support of the Danish Maritime Fund.

Pollution: Three steps to a green shipping industry. By Zheng Wan, Mo Zhu et al. *Nature*.

[Online]. (2016). Available from: <http://www.nature.com/news/pollution-three-steps-to-a-green-shipping-industry-1.19369> It is time to crack down on the emissions and destructive development caused by vast container vessels that pollute the air and seas, write Zheng Wan and colleagues.

Wind technologies: Opportunities and barriers to a low carbon shipping industry.

By N. Rehmatulla, S. Parker et al. *Marine Policy*. [Online]. (2015). Available from: <http://www.sciencedirect.com/science/article/pii/S0308597X15003917> The abatement potential of wind technologies on ships is estimated to be around 10–60% by various sources.

Conservation science and policy applications of the marine vessel Automatic Identification System (AIS) - a review. By M. D. Robards, G. K. Silber et al.

Bulletin of Marine Science. [Online]. (2016). Available from: <http://goo.gl/lms7hV> The continued development of maritime transportation around the world, and increased recognition of the direct and indirect impacts of vessel activities to marine resources, has prompted interest in better understanding vessel operations and their effects on the environment.

Temperature-driven global sea-level variability in the Common Era. By R. E. Kopp, A. C. Kemp et al. *Proceedings of the National Academy of Sciences*. [Online]. (2016).

Available from: <http://www.pnas.org/content/early/2016/02/17/1517056113.abstract> We assess the relationship between temperature and global sea-level (GSL) variability over the Common Era through a statistical metaanalysis of proxy relative sea-level reconstructions and tide-gauge data.

Closed-loop Exhaust Gas Scrubber Onboard a Merchant Ship. By Jari M.Lahtinen.

University of Vaasa (Finland) [Online]. February 2016. Available from: http://www.uva.fi/materiaali/pdf/isbn_978-952-476-659-3.pdf  The objective of this thesis project was to study the properties of a closed-loop fresh water exhaust gas scrubber as an option for meeting the requirements of global marine traffic fuel sulphur legislation.

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About the cover

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