

INTERNATIONAL MARITIME ORGANIZATION
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

Indonesian President visits IMO

Indonesia's President Mr Joko Widodo today addressed IMO's Marine Environment Protection Committee in London at the invitation of IMO Secretary-General Kitack Lim. The visit was part of Mr Lim's initiative to raise awareness of the Organization within the broader audience of global leadership.

Delegates from 107 Member States and 53 NGOs heard Mr Widodo outline Indonesia's strategy for national maritime development and confirm his support for IMO, the United Nations specialized agency with responsibility for ship safety, maritime security and prevention of pollution from ships, as the appropriate global forum for matters of maritime policy.

President Widodo said, "Indonesia believes the future of global prosperity depends on how we manage the sea. And that future can be secured by taking care of the sea as our common heritage. We can do this through international cooperation, including at the IMO."

"We realize the sustainable use of maritime resources must be done for the benefit of our people. We are aware it is our responsibility as a member of international society to ensure maritime sustainability. We also realize that as a power between two oceans we must take part in ensuring the safety of international navigation. In this context, Indonesia sees the IMO and our membership in the IMO as important," he said.

The IMO Press Briefing no. 10 about President Widodo's visit is available [here](#) and photos are available [here](#).

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

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

69th session, 18 – 22 April 2016

[Facilitation Committee \(FAL\)](#)

40th session, 4 – 8 April 2016

IMO PRESS BRIEFINGS

[IMO takes further action on climate change](#)

Briefing: 11, April 22, 2016

[IMO seeks hosts for Maritime Technology Cooperation Centres](#)

Briefing: 09, April 15, 2016

[Mandatory electronic data exchange for international shipping adopted](#)

Briefing: 08, April 11, 2016

[IMO NEWS MAGAZINE](#) [\(Issue 1, 2016\)](#)

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

[RECENT SPEECHES BY IMO SECRETARY-GENERAL KITACK LIM](#)

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

69th session, 18 – 22 April 2016 (Closing Remarks)

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

69th session, 18 – 22 April 2016 (Opening Address)


[Facilitation Committee](#)

40th session, 4 – 8 April 2016 (Opening Address)

UNITED NATIONS NEWS

UN calls for more 'equitable' responsibility-sharing to relieve plight of Syrian refugees.

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

<http://www.un.org/apps/news/story.asp?NewsID=53570>  Addressing a one-day, high-level conference in Geneva on Syrian refugees, senior United Nations officials stressed the needs to provide resettlement and other answers for their plight, urging third countries to share those responsibilities with Syria's immediate neighbours.


Ban welcomes joint China-US pledge to sign Paris climate accord in April.

UN News Centre [Online]. 1 April 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsId=53591> United Nations Secretary-General Ban Ki-moon has commended the joint presidential statement on climate change by China and the United States announcing that both countries will sign the Paris Agreement at a special ceremony at UN Headquarters on 22 April, the first day the accord is open for signature.


Selecting a new UN Secretary-General: a job interview in front of the whole world.

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


<http://www.un.org/apps/news/story.asp?NewsId=53641>  The selection process for a new United Nations Secretary-General, traditionally decided behind closed-doors by a few powerful countries, will for the first time in history involve public discussions with each candidate campaigning for the world's top diplomatic post.

United Nations begins informal briefings to select next Secretary-General.


UN News Centre [Online]. 12 April 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsID=53662>  Kicking off what he has called a "new and transparent process," General Assembly President Mogens Lykketoft today opened informal dialogues with candidates for the next United Nations Secretary-General, for the first time providing an opportunity for substantive and open engagement with the candidates - for the full UN membership and the public.

The next UN Secretary-General: informal briefings continue. UN News Centre [Online].

13 April 2016. Available from: <http://www.un.org/apps/news/story.asp?NewsID=53673>  Three more candidates for the position of the next United Nations Secretary-General will be heard today, answering questions on how they would promote sustainable development, improve efforts to create peace, protect human rights, and deal with huge humanitarian catastrophes should they be selected to lead the 193-member Organization.

The next UN Secretary-General: last day of informal briefings. UN News Centre [Online].

14 April 2016. Available from: <http://www.un.org/apps/news/story.asp?NewsId=53680>  The third and final session of informal briefings to hear the views of three more candidates for the position of the next United Nations Secretary-General is taking place at UN Headquarters in New York today, focusing on how they would tackle some of the world's most urgent issues should they be selected to replace current UN chief Ban Ki-moon in January 2017.

The next UN Secretary-General: Assembly President says 'new standard of transparency' established. UN News Centre [Online]. 15 April 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsId=53695> Three days of informal briefings came to an end yesterday, after nine candidates for the position of the next United Nations Secretary-General answered all together some 800 questions from the UN membership and the public on how, if selected, they would lead the world body.

UN agency and Google collaborate on satellite data tools to manage natural resources.

UN News Centre [Online]. 15 April 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsID=53692> The United Nations Food and Agriculture Organization (FAO) and Google today announced plans to work together to make high-resolution satellite data a common tool in managing the world's natural resources, ultimately boosting efforts towards the pursuit of sustainable development.

'Today is an historic day,' says Ban, as 175 countries sign Paris climate accord.

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

<http://www.un.org/apps/news/story.asp?NewsID=53756> As 175 world leaders signed the Paris Agreement at United Nations Headquarters today, Secretary-General Ban Ki-moon said the next critical step is to ensure that the landmark accord for global action on climate change enters into force as soon as possible.

'We are in a race against time,' says Ban, as leaders sign landmark Paris climate accord.

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

<http://www.un.org/apps/news/story.asp?NewsID=53752> With their signatures of the landmark Paris climate accord, "governments made a covenant with the future," Secretary-General Ban Ki-moon said at the end of a United Nations ceremony that saw the largest single-day turn-out for such an event, and which puts the world on a path towards low-carbon growth and a more sustainable future.

UN says Paris Agreement on climate change must aim for long-term environmental stability. UN News Centre [Online]. 21 April 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsID=53749#.VylpevkrKCg> As global leaders prepare to sign the Paris Agreement on climate change tomorrow at United Nations Headquarters in New York, the head of the UN Office for Disaster Risk Reduction today called on signatories to go beyond their existing commitments to reduce greenhouse gas emissions if the world is to avoid catastrophic future weather events.

UN urges action on sustainable development to create pathways for global

'transformation'. UN News Centre [Online]. 21 April 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsID=53744> The President of the United Nations General Assembly today called on the international community to take action on the new UN sustainable development agenda in order to begin a transformation for the benefit of all people and the planet, or risk failure that will be felt for generations to come.

CASUALTIES

Spill Control Underway for Grounded Container Ship. *Maritime Executive* [Online].

31 March 2016. Available from: <http://www.maritime-executive.com/article/spill-control-underway-for-grounded-container-ship> On Thursday, TS Lines, the owner of the grounded container vessel *TS Taipai*, told Taiwanese media that eight containers loaded with hazardous material would be offloaded by means of a floating crane by April 3.

Explosion on Tanker Kills Two, One Missing. *Maritime Executive* [Online]. 31 March 2016.

Available from: <http://maritime-executive.com/article/explosion-on-tanker-kills-two-one-missing> An explosion on an inland product tanker in the port of Duisberg Thursday killed two and injured three, with one worker remaining missing.

Rena statutory notices withdrawn. *Maritime New Zealand* [Online]. 4 April 2016.

Available from: <http://www.maritimenz.govt.nz/news/media-releases-2016/20160404a.asp> The Director of Maritime NZ has withdrawn two statutory notices relating to the wreck of the *MV Rena*, issued after the vessel grounded on the Astrolabe Reef on 5 October 2011.

Safety Digest No 1/2016: Lessons from Marine Accidents.

UK Marine Accident Investigation Branch (MAIB) [Online]. April 2016. Available from: https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/512603/MAIBSafetyDigest1_16.pdf The Marine Accident Investigation Branch (MAIB) examines and investigates all types of marine accidents to or on board UK vessels worldwide, and other vessels in UK territorial waters.

Marine Accident report: CAROLINE MAERSK Fire in containers on 26 August 2015.

Danish Maritime Authority [Online]. 4 April 2016. Available from: <http://www.dmaib.com/Ulykkesrapporter/CAROLINE%20M%C3%86RSK%20-%20Fire%20in%20containers%20on%2026%20August%202015.pdf> In the afternoon of 26 August 2015, a fire broke out in a container in a cargo hold on board the container ship *CAROLINE MAERSK*.

Interim Report 3/2016: Failure of mooring line on LNG carrier Zarga with 1 person injured ...2 March 2015. *UK Marine Accident Investigation Branch (MAIB)* [Online]. April 2016.

Available from: https://assets.digital.cabinet-office.gov.uk/media/57027337ed915d117a000044/Zarga_IRReport3_2016.pdf On 2 March 2015, a deck officer on board the LNG tanker *Zarga* suffered severe head injuries when he was struck by a mooring line that had parted during a berthing operation at the South Hook LNG terminal, Milford Haven.

Bulker master killed in lifeboat fall. By Gary Nixon. *TradeWinds* [Online]. 7 April 2016.

Available from: <http://www.tradewindsnews.com/casualties/391440/bulker-master-killed-in-lifeboat-fall> Three other crew were injured when the boat plunged into the sea during a drill on the 56,000-dwt *Glovis Maple* (built 2013) in Banjarmasin, Borneo, on Monday, the Prokal website reported.

No trial over fatal Lady Ozge clash. By Gary Dixon. *TradeWinds* [Online]. 8 April 2016.

Available from: <http://www.tradewindsnews.com/casualties/391500/no-trial-over-fatal-lady-ozge-clash> French prosecutors will not proceed to a criminal trial over a 2012 collision between a Turkish tanker and a trawler that killed the fishing vessel's skipper.

TS Taipei Grounding Spill Cleanup to Continue. By Aiswarya Lakshmi. *MarineLink.Com* [Online]. 8 April 2016. Available from: <http://www.marinelink.com/news/grounding-continue407830.aspx> Minister of the Ministry of Transportation and Communications (MOTC) Chen Jian-yu said he hopes to see the removal of all remaining containers on the deck of the *T.S. Taipei* ship this week itself.

Nuclear Waste Ship MV Sigrid Runs Aground in Sweden. *gCaptain* [Online]. 8 April 2016. Available from: <https://gcaptain.com/nuclear-waste-ship-mv-sigrid-runs-aground-in-sweden/> A Swedish cargo ship designed to haul radioactive waste ran into a little trouble Friday outside the harbor of a decommissioned nuclear power plant in southeastern Sweden.

Sewol anniversary. *Korea Times* [Online]. 13 April 2016. Available from: http://www.koreatimes.co.kr/www/news/opinion/2016/04/202_202519.html This weekend will mark two years since the sinking of the *Sewol* ferry which took more than 300 lives.

WHOI to Assist in NTSB Search for El Faro Data Recorder. *Woods Hole Oceanographic Institution* [Online]. 18 April 2016. Available from: <http://www.whoi.edu/news-release/sentry-el-faro> The Woods Hole Oceanographic Institution will assist the National Transportation Safety Board as it undertakes its second search April 18, 2016, for the vessel data recorder (VDR) of the sunken *El Faro* cargo ship.

UPDATE: One dead, five injured after fire breaks out on ship off Penang.

By Phuah Ken Lin. *New Straits Times Online (Malaysia)* [Online]. 19 April 2016.

Available from: <http://www.nst.com.my/news/2016/04/140045/update-one-dead-five-injured-after-fire-breaks-out-ship-penang> One Myanmar national died and his four countrymen were injured when fire broke out after an explosion on a Korean-registered ship off the coast of Penang last night.

Interim Report 4/2016: Collision between the UK registered stern trawler Karen and a dived Royal Navy submarine in the Irish Sea on 15 April 2015.

UK Marine Accident Investigation Branch (MAIB) [Online]. 19 April 2016. Available from: [https://assets.digital.cabinet-](https://assets.digital.cabinet-office.gov.uk/media/5714b81aed915d117a00006f/Karen_IRreport4_2016.pdf)

[office.gov.uk/media/5714b81aed915d117a00006f/Karen_IRreport4_2016.pdf](https://assets.digital.cabinet-office.gov.uk/media/5714b81aed915d117a00006f/Karen_IRreport4_2016.pdf) 

At 0430 on 15 April 2015, the UK registered stern trawler *Karen* departed from its home port of Ardglass, Northern Ireland, and about an hour later arrived at its intended fishing grounds in the Irish Sea.

Car Carrier Goes Aground off Busan. *Maritime Executive* [Online]. 18 April 2016.


Available from: <http://maritime-executive.com/article/car-carrier-goes-aground-off-busan> 

The 2,800 dwt car carrier *Ocean Tango* (ex name *Asian Ace*) went aground in foul weather in Busan, South Korea yesterday, rupturing fuel tanks and releasing fuel oil into the water.



Investigation: Engine room fire on board Marigold at Port Hedland, WA on 13 July 2014.

Australian Transport Safety Bureau (ATSB) [Online]. 20 April 2016. Available from:

https://www.atsb.gov.au/publications/investigation_reports/2014/mair/312-mo-2014-008/

At about 1447 on 13 July, a fire started in the engine room of the bulk carrier *Marigold*, while it was loading a cargo of iron ore in Port Hedland, Western Australia (WA). [Final Report](#) 

Accident Investigation Report 8/2016: Capsize and sinking of cement carrier Cemfjord with loss of 8 lives. *UK Marine Accident Investigation Branch (MAIB)* [Online]. 21 April 2016.


Available from: <https://www.gov.uk/maib-reports/capsize-and-sinking-of-cement-carrier-cemfjord-with-loss-of-8-lives> On 2 January 2015 and when fully laden, the Cyprus registered cement carrier *Cemfjord* capsized in extremely violent sea conditions in the Pentland Firth. [Report](#)  & [Annexes](#) 

Technip crewman killed in Scotland. By Gary Dixon. *TradeWinds* [Online]. 25 April 2016. Available from: <http://www.tradewindsnews.com/offshore/485698/technip-crewman-killed-in-scotland> A Filipino seafarer has died in a quayside accident in Scotland.

Fire aboard Tanker Claims One Life. *World Maritime News* [Online]. 25 April 2016. Available from: <http://worldmaritimenews.com/archives/189809/video-fire-aboard-tanker-claims-one-life/>  One crew member is reported missing after a Russia-flagged tanker *Pallot-2* caught fire on April 23 in the Caspian Sea, according to the Ministry of Emergency Situations of the Republic of Azerbaijan.

Green Reefers ship catches fire in Poland. By Eric Martin. *TradeWinds* [Online]. 22 April 2016. Available from: <http://www.tradewindsnews.com/casualties/485656/green-reefers-ship-catches-fire-in-poland> Local media reports show smoke billowing from the Norwegian shipowner's 261,000-cbf reefer *Green Klipper* (built 1991).

Probe begins into fire on Irish Ferries vessel. By Gary Dixon. *TradeWinds* [Online]. 26 April 2016. Available from: <http://www.tradewindsnews.com/casualties/485750/probe-begins-into-fire-on-irish-ferries-vessel> No injuries have been reported after a fire broke out on an Irish Ferries ship as it approached Dublin.

NTSB Locates Sunken Cargo Ship's Voyage Data Recorder. *US National Transportation Safety Board (NTSB)* [Online]. 26 April 2016. Available from: <http://www.nts.gov/news/press-releases/Pages/PR20160426b.aspx> The cargo ship *El Faro*'s voyage data recorder was located early Tuesday morning in 15,000 feet of water, about 41 miles (36 nautical miles) northeast of Acklins and Crooked Islands, Bahamas, by a team of investigators and scientists using remotely operated undersea search equipment. [Video](#) 

Another mission needed to recover *El Faro*'s data recorder. *US National Transportation Safety Board (NTSB)* [Online]. 27 April 2016. Available from: <http://www.nts.gov/news/press-releases/Pages/PR20160427.aspx> The investigative team aboard the research vessel *Atlantis* who located the *El Faro*'s voyage data recorder Tuesday has determined it will not be possible to recover the VDR during the current mission.

ENVIRONMENT

ICS Representing Shipowners at Important UN Meeting on Future of Oceans Governance. *International Chamber of Shipping (ICS)* [Online]. 29 March 2016. Available from: <http://www.ics-shipping.org/news/press-releases/2016/03/29/ics-representing-shipowners-at-important-un-meeting-on-future-of-oceans-governance> At the United Nations in New York, the International Chamber of Shipping (ICS) is representing the interests of shipowners at the opening session of a UN Preparatory Committee starting work on a new legal instrument under the United Nations Convention on the Law of the Sea (UNCLOS).

Dominica updating its Oil Spill Contingency Plan. *DA Vibes* [Online]. 29 March 2016. Available from: <http://www.dominicavibes.dm/news-197140/> Dominica is receiving assistance from the International Maritime Organization (IMO), Regional Marine Pollution Emergency Information and Training Centre for the Wider Caribbean (RAC-REMPEITC) to update its Oil Spill Contingency Plan.

Fast-Tracking Climate Action. By Achim Steiner, Executive Director UNEP and Christiana Figueres, Executive Secretary UNFCCC. *United Nations Framework Convention on Climate Change (UNFCCC)* [Online]. 29 March 2016. Available from:

<http://newsroom.unfccc.int/unfccc-newsroom/achim-steiner-and-christiana-figueres-fast-tracking-climate-action/> Last December in Paris, world leaders came together to agree on a set of goals and pathways for decarbonizing the global economy and increasing our capacity to adapt to climate change.

A big deal for our ocean. *Greenpeace* [Online]. 28 March 2016. Available from:

<http://www.greenpeace.org/international/en/news/Blogs/makingwaves/OSPAR-UN-ocean-sanctuary-2016-marine-life/blog/56002/> Today governments from all over the world will meet at the United Nations in New York to develop a new treaty to save our oceans. [The need for an ambitious UN Ocean Biodiversity Agreement](#) 

Are the first meaningful European NOx limits for shipping in sight?

Transport & Environment [Online]. 30 March 2016. Available from:

<https://www.transportenvironment.org/news/are-first-meaningful-european-nox-limits-shipping-sight> Legislation cutting nitrogen oxides (NOx) from shipping in the Baltic and North Seas has moved a step closer with a decision by countries bordering the Baltic Sea to apply for tighter NOx limits in designated so-called 'emission control areas' (ECAs).

How Ocean Noise Pollution Wreaks Havoc on Marine Life. By Richard Shiffman.

Yale Environment 360 [Online]. 31 March 2016. Available from:

http://e360.yale.edu/feature/how_ocean_noise_pollution_wreaks_havoc_on_marine_life/2978/ Bowing to public and fishing industry pressure, the Obama administration recently reversed an earlier decision to allow oil drilling off the U.S. East Coast.

This Treaty to Protect the World's Oceans will be the Next Big Debate at the UN.

By Mark Leon Goldberg. *UN Dispatch* [Online]. 31 March 2016. Available from:

<http://www.undispatch.com/this-treaty-to-protect-the-worlds-oceans-will-be-the-next-big-debate-at-the-un/> The treaty would create rules of the road for management of the high seas, including provisions to create marine sanctuaries and other mechanisms to preserve sea life and biodiversity. AUDIO

Sea levels set to 'rise far more rapidly than expected'. By Damian Carrington.

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

<http://www.theguardian.com/environment/2016/mar/30/sea-levels-set-to-rise-far-more-rapidly-than-expected> Sea levels could rise far more rapidly than expected in coming decades, according to new research that reveals Antarctica's vast ice cap is less stable than previously thought.

Contribution of Antarctica to past and future sea-level rise. By R. M. DeConto, D. Pollard.

Nature. [Online]. (2016). 531:591-597. Available from: <http://dx.doi.org/10.1038/nature17145>

Polar temperatures over the last several million years have, at times, been slightly warmer than today, yet global mean sea level has been 6-9 metres higher as recently as the Last Interglacial (130,000 to 115,000 years ago) and possibly higher during the Pliocene epoch (about three million years ago).

Fiji pushes for legal instrument to strengthen law of the seas. *Fijian Government* [Online].

4 April 2016. Available from: <http://www.fiji.gov.fj/Media-Center/Press-Releases/FIJI-PUSHES-FOR-LEGAL-INSTRUMENT-TO-STRENGTHEN-LAW.aspx> A Fijian delegation led by Fiji's Ambassador-at-Large Amena Yauvoli is in New York attending the first meeting on the development of an internationally legally binding instrument under the United Nations Conventions on the Law of the Sea (UNCLOS).

A new age of sail? Sea cargo goes green. *Mega* [Online]. February 2016. Available from: <https://mega.online/articles/a-new-age-of-sail-sea-cargo-goes-green/> The world's oceans are crowded with commercial vessels, which belch out a multitude of harmful substances that damage the environment and endanger human health.

India affirms commitment to sign Paris climate accord. By Alex Pashley. *Climate Home* [Online]. 4 April 2016. Available from: <http://www.climatechangenews.com/2016/04/04/india-affirms-commitment-to-sign-paris-climate-accord/> More than 100 countries, including the largest four carbon polluters, have now signalled their intent to sign last year's Paris climate deal at a UN ceremony this month.

ECA launches a Policy Handbook to guide Africa's Blue Economy initiative. *United Nations Economic Commission for Africa (UNECA)* [Online]. 3 April 2016. Available from: <http://www.uneca.org/stories/eca-launches-policy-handbook-guide-africas-blue-economy-initiative> In its Africa's Blue Economy Policy Handbook that was launched at the inaugural African Development week, the UN economic Commission for Africa (ECA) proposes a roadmap to harness African waters in order to propel the continent's structural transformation. [Africa's Blue Economy: A policy Handbook](#)

The Integrated Arctic Corridors Framework: Planning for responsible shipping in Canada's Arctic waters. *Pew Charitable Trusts* [Online]. 5 April 2016. Available from: <http://www.pewtrusts.org/en/research-and-analysis/reports/2016/04/the-integrated-arctic-corridors-framework> The world is looking to Canada's Arctic Ocean for the promise of faster and cheaper intercontinental shipping and unexploited natural resources. [Report](#) [Report graphics and maps](#)

Oceans North Canada calls for Inuit input on Canada's Arctic shipping corridors. By Nick Murray. *Canadian Broadcasting Corporation (CBC)* [Online]. 5 April 2016. Available from: <http://www.cbc.ca/news/canada/north/arctic-shipping-corridors-1.3521301> A new report from Oceans North Canada is calling on the federal government to re-work its Arctic shipping corridors initiative to include environmental protections and engagement with Inuit groups.

Aviation and shipping firms edge towards pledging emissions cuts. By Fred Pearce. *New Scientist* [Online]. 5 April 2016. Available from: <https://www.newscientist.com/article/2083134-aviation-and-shipping-firms-edge-towards-pledging-emissions-cuts/> Last December's Paris agreement on climate change introduced national commitments from 2020 to limit emissions from power generation, land transport and deforestation.

Let's not turn the Arctic into an adventure playground. By Suzanne Goldenberg. *The Guardian* [Online]. 11 April 2016. Available from: <http://www.theguardian.com/commentisfree/2016/apr/11/arctic-adventure-playground-climate-change-polar-ice> Every year at about this time, a Russian cargo plane deposits many tonnes of equipment on an ice floe one degree off the north pole.

UN: Ratify Paris climate deal or face exclusion from decisions. By Ed King. *Climate Home* [Online]. 8 April 2016. Available from: <http://www.climatechangenews.com/2016/04/08/un-ratify-paris-climate-deal-or-face-exclusion-from-decisions/> Head of legal affairs outlines implications of early entry into force for Paris deal, and voting rights of countries slow to approve treaty

EU welcomes progress on new instrument to conserve marine biodiversity.

European Commission Fisheries [Online]. 11 April 2016. Available from: http://ec.europa.eu/newsroom/mare/itemdetail.cfm?item_id=30366 The international community has taken a first step in developing a legally-binding instrument for the conservation and sustainable use of marine biodiversity in areas beyond national jurisdiction.

Governing the ungoverned 50% of the planet. By Essam Yassin Mohammed.

International Institute for Environment and Development [Online]. 11 April 2016. Available from: <http://www.iied.org/governing-ungoverned-50-planet> Last year, the United Nations general assembly adopted a resolution stressing "the need for the comprehensive global regime to better address the conservation and sustainable use of marine biological diversity of areas beyond national jurisdiction."

Commissioner Vella addresses European Parliament plenary meeting.

European Commission Fisheries [Online]. 12 April 2016. Available from: http://ec.europa.eu/newsroom/mare/itemdetail.cfm?item_id=30432 Fisheries were high on the agenda of yesterday's European Parliament's plenary session in Strasbourg, with three Parliament reports on the table.

MB: Move will help prevent pollution in the sea off Pontian. By Zazali Musa. *Star Online*

(Malaysia) [Online]. 14 April 2016. Available from: <http://www.thestar.com.my/metro/community/2016/04/14/shoreline-gazette-mb-move-will-help-prevent-pollution-in-the-sea-off-pontian/> Johor will gazette the 550km shoreline stretching from Tanjung Piai to Kukup Island here as the Particularly Sensitive Sea Area (PSSA) to prevent pollution in the sea off Pontian.

UN climate science body green-lights 1.5C report. By Megan Darby. *Climate Home*

[Online]. 14 April 2016. Available from: <http://www.climatechangenews.com/2016/04/14/un-climate-science-body-green-lights-1-5c-report/> The UN's climate science body will produce a special report by 2018 on the impacts of 1.5C global warming and emissions cuts needed to stay within that threshold.

European Parliament urges ministers to match Paris ambition on ships and planes.

Transport & Environment [Online]. 15 April 2016. Available from: <https://www.transportenvironment.org/press/european-parliament-urges-ministers-match-paris-ambition-ships-and-planes> The European Parliament today called on EU governments to align the 2030 EU climate target with the Paris Agreement and introduce EU measures to cut emissions from aviation and shipping.

Q&A: Illegal fishing in Natuna and the South China Sea dispute. By Devina Heriyanto.

Jakarta Post [Online]. 15 April 2016. Available from: <http://www.thejakartapost.com/academia/2016/04/15/qa-illegal-fishing-in-natuna-and-the-south-china-sea-dispute.html> Indonesia captured a Chinese fishing vessel for fishing illegally within the Indonesian Exclusive Economic Zone near Natuna Island last week.

DP World, Trakhees to enforce pollution control. *Gulf Today* (United Arab Emirates) [Online].

17 April 2016. Available from: <http://gulftoday.ae/portal/3b45f430-723e-4c7b-b1a1-a6f305fb2252.aspx> In a far-reaching move to tackle hazardous liquid pollution at its flagship Jebel Ali Port, DP World UAE Region signed a Memorandum of Understanding with the Department of Planning and Development – Trakhees, the regulatory arm of Ports, Customs and Free Zone Corporation in Dubai.

Calls for Shipping and Aviation to Do More to Cut Emissions. By Henry Fountain.

New York Times [Online]. 16 April 2016. Available from:

<http://www.nytimes.com/2016/04/17/science/calls-for-shipping-and-aviation-to-do-more-to-cut-emissions.html> A coalition of European, North African and South Pacific nations is lobbying the International Maritime Organization, the United Nations agency that oversees shipping, to start discussing an emissions-reduction commitment at a meeting in London that will begin Monday.

Six Years After Deepwater Horizon Oil Spill, USF Researchers See Path Forward.

University of South Florida (USF) [Online]. 18 April 2016. Available from:

<http://news.usf.edu/article/templates/?a=7309&z=220> On April 20, 2010, millions of gallons of crude oil began gushing into the Gulf of Mexico following an explosion on the *Deepwater Horizon* oil rig.

Death by a Thousand Ship Strikes. By Jason G. Goldman. Hakai Magazine [Online].

19 April 2016. Available from: <http://www.hakaimagazine.com/article-short/death-thousand-ship-strikes> In the waters off this northwestern African archipelago, an average of 2.3 sperm whales are killed each year by ship strikes.

'Critical mass' to support UN climate change deal. By Ed King. Climate Home [Online].

19 April 2016. Available from: <http://www.climatechangenews.com/2016/04/19/us-china-to-lead-climate-pact-signatures-in-new-york/> Days after talks among top oil producers to freeze global output collapsed in Doha, over 150 governments will gather in New York on Friday to sign a deal to end the fossil fuel era.

Signing the Paris climate agreement: Can the EU still be a leader? By Teresa Ribera, Director, Institute for Sustainable Development and International Relations (IDDR).

EurActiv [Online]. 21 April 2016. Available from: <http://www.euractiv.com/section/climate-environment/opinion/signing-the-paris-climate-agreement-can-the-eu-still-be-a-leader/>

More than 140 signatures to the Paris Agreement are expected in New York this Friday (22 April).

Will the EU map a better Arctic future? By Alexander Shestakov, Director, WWF Global Arctic Programme. Arctic Journal [Online]. 25 April 2016. Available from:

<http://www.thearcticjournal.com/opinion/2299/will-eu-map-better-arctic-future> From the Dutch Willem Barentsz, to the Danish Vitus Bering, to the British William Baffin, the seas and shores of the Arctic are strewn with the names of Europeans drawn north by the lure of trade and riches.

Antarctica Gets Hot for Another Reason: Tourists. By Justin Bachman. Bloomberg

[Online]. 25 April 2016. Available from: <http://www.bloomberg.com/news/articles/2016-04-25/antarctica-luxury-cruises-world-s-hottest-coldest-tourist-spot> In January 1966, the first ship carrying "citizen-explorers" arrived in Antarctica.

No more incentives for cheaters in the shipping sector: NABU calls for better enforcement of sulphur emission control areas (SECAs). *NABU (Nature and Biodiversity Conservation Union)* [Online]. April 2016. Available from: <https://en.nabu.de/news/19685.html> NABU is asking all member states of the EU to take up action on proper implementation of SECAs for the shipping sector.

SCR for a sustainable future. The Motorship [Online]. 27 April 2016. Available from:

<http://www.motorship.com/news101/engines-and-propulsion/scr-for-a-sustainable-future> With new regulations aiming to drastically reduce NOx emission levels for diesel engines, the need to control a vessel's environmental impact has never been more important.



Maritime Emissions Monitoring Targeted with New EMSA Drone Operation Tender.

Ship & Bunker [Online]. 27 April 2016. Available from:

<http://shipandbunker.com/news/emea/268958-maritime-emissions-monitoring-targeted-with-new-emsa-drone-operation-tender> Markku Mylly, executive director of the European Maritime Safety Agency (EMSA) last week at the Offshore Patrol and Surveillance conference said that a tender has been signed to provide an unmanned system, also referred to as a "drone," to assist in a number of information gathering operations, including maritime emissions monitoring, Shephard media reports.

A new integrated EU policy for the Arctic adopted. *European Commission* [Online].

27 April 2016. Available from: http://europa.eu/rapid/press-release_IP-16-1539_en.htm

The High Representative for Foreign Affairs and Security Policy and the European Commission have today adopted a policy proposal that will guide the actions of the European Union in the Arctic region. [Frequently Asked Questions](#) [Video](#)  [Joint Communication to EU Parliament and The Council](#) 

ENVIRONMENTAL POLLUTION

Huge cruise ships will worsen London air pollution, campaigners warn. By John Vidal.

The Guardian [Online]. 31 March 2016. Available from:

<http://www.theguardian.com/environment/2016/mar/31/huge-cruise-ships-will-worsen-london-air-pollution-campaigners-warn> Toxic fumes from large cruise liners powered by giant diesel engines will worsen London's air pollution and could prevent the city from meeting its EU legal limits on deadly nitrogen oxide emissions, says resident groups opposing a new terminal.


Nakilat for cutting sulphur emission. By Satish Kanadi. *The Peninsula (Qatar)* [Online].

6 April 2016. Available from: <http://www.thepeninsulagatar.com/business/qatar-business/377407/nakilat-for-cutting-sulphur-emission>

Nakilat, the shipping arm of Qatar's liquefied natural gas (LNG) sector, yesterday announced it is in active partnership with the international shipping community to mitigate marine pollution caused by maritime transport.

Impacts of marine fuel sulphur limits North- and Baltic Sea. *CE Delft* [Online]. 20 April 2016.

Available from: [http://www.cedelft.eu/news/399/Press_release_-_](http://www.cedelft.eu/news/399/Press_release_-_Impacts_of_marine_fuel_sulphur_limits_North-_and_Baltic_Sea/)

[Impacts of marine fuel sulphur limits North- and Baltic Sea/](http://www.cedelft.eu/news/399/Press_release_-_Impacts_of_marine_fuel_sulphur_limits_North-_and_Baltic_Sea/) Since 1 January 2015, the maximum sulphur content of marine fuels used in the North- and Baltic Sea (Sulphur Emission Control Area) is reduced from 1.0% to 0.1%. [SECA Assessment: Impacts of 2015 SECA Marine Fuel Sulphur Limits](#) 

Ballast Water Treatment: The Regrowth Problem. By Wendy Laursen. *Maritime Executive*

[Online]. 23 April 2016. Available from: <http://www.maritime-executive.com/features/ballast-water-treatment-the-regrowth-problem> The issue of the potential for in-tank organism regrowth after ballast water treatment was raised with IMO Secretary-General Kitack Lim during last week's Marine Environment Protection Committee meeting in London (MEPC 69).

Semi-Subs Pose Biofouling Risk in the Arctic. By Wendy Laursen. *Maritime Executive*

[Online]. 25 April 2016. Available from: <http://www.maritime-executive.com/article/semi-subs-pose-biofouling-in-the-arctic> IMO's Marine Environment Protection Committee (MEPC) meet for its 69th session last week, and Friends of the Earth International submitted a paper calling for a particular focus on semi-submersible drilling platforms.

Keeping the Arctic White: Black Carbon and International Law. By Daria Shapovalova.

Arctic Institute [Online]. 21 April 2016. Available from:

<http://www.thearcticinstitute.org/2016/04/keeping-arctic-white-black-carbon-and.html>

The Arctic is warming twice as fast as the global average, making climate change's polar effects more intense than anywhere else in the world. [How Black Carbon Affects the Arctic](#)

HEALTH

UN declares Ebola public health emergency over; urges 'high vigilance' against flare-ups.

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

<http://www.un.org/apps/news/story.asp?NewsID=53566> The United Nations World Health Organization (WHO) today said West Africa's Ebola outbreak no longer constitutes an international public health threat, declaring that the 20-month global emergency response is over but stressing that a "high level of vigilance" must be maintained. AUDIO

Ebola: UN health agency reports new case in Liberia, as experimental vaccine used in Guinea. *UN News Centre* [Online]. 1 April 2016. Available from:

<http://www.un.org/apps/news/story.asp?NewsID=53595> Lab results confirmed a new case of the Ebola virus in Liberia, the United Nations health agency today announced, while an experimental vaccine against the virus is being used in parts of Guinea to contain the latest flare-up of the virus in that country.

HEALTH AND SAFETY

Is seafarer fatigue understood in the offshore wind industry? By Philip Woodcock, Operations Director, Workships Contractor and Chairman, Workboat Safety Forum.

Offshore Wind Journal [Online]. 22 April 2016. Available from:

http://www.owjonline.com/news/view.is-seafarer-fatigue-understood-in-the-offshore-wind-industry_42682.htm Recently, when working late revising a presentation for RenewableUK on fatigue, I sat looking out at the cars passing, nose to tail on the A16 motorway in Rotterdam.

IMO

CO2 reporting 'first step' before considering cap or other measures; IMO chief.

By Unni Einemo. *Bunkerworld* [Online]. 30 March 2016. Available from:

<http://www.bunkerworld.com/news/CO2-reporting-first-step-before-considering-cap-or-other-measures-IMO-chief-141188> Kitack Lim, Secretary-General of the IMO, in an emailed Q&A interview with Platts, talks about what the Paris Agreement means for IMO's work on regulating CO2 emissions from international shipping, the next steps, and the important part the broader marine and shipping industry, including the bunker industry, has to play in the shift to low-carbon shipping.

IMO must show action on GHG Emissions At MEPC 69 – says Sustainable Shipping Initiative. *Hellenic Shipping News* [Online]. 5 April 2016. Available from:

<http://www.hellenicshippingnews.com/imo-must-show-action-on-ghg-emissions-at-mepc-69-says-sustainable-shipping-initiative/> The Sustainable Shipping Initiative ("SSI"), a pioneering coalition of companies from across the global shipping industry, today called on the International Maritime Organisation (IMO) to show its true intent to reduce Greenhouse Gas emissions from shipping at the forthcoming Marine Environmental Protection Committee meeting (MEPC 69), which begins on 18th April 2016.

What do shipowners think of the IMO? By Paul Fanning. *Marine Propulsion* [Online]. 7 April 2016. Available from: http://www.mpropulsion.com/news/view/what-do-shipowners-think-of-the-imo_42466.htm The International Maritime Organization – or IMO as it is universally known in the industry it serves – holds this unenviable role in the shipping industry and it is often the target of criticism.

Ballast Water Treatment: More Dead Than Alive. By Wendy Laursen. *Maritime Executive* [Online]. 7 April 2016. Available from: <http://www.maritime-executive.com/features/ballast-water-treatment-more-dead-than-alive> The U.S. Coast Guard's preliminary rejection of the most probable number (MPN) method for determining the effectiveness of ballast water treatment systems has come under increasing fire from the industry and researchers.

IMO vs USCG: navigating the differences in ballast water regulation. By Eva Grey. *Ship-Technology.Com* [Online]. 7 April 2016. Available from: <http://www.ship-technology.com/features/featureimo-vs-uscg-navigating-the-differences-in-ballast-water-regulation-4824245/> The fact that there are effectively two main sets of regulations regarding ballast water management has caused confusion amongst shipowners and operators and muddled the waters when it comes to finding effective solutions.

Ship efficiency standards are too weak to drive improvement, study suggests. By Kevin Tester. *Marine Professional / IMarEST* [Online]. 6 April 2016. Available from: <http://www.imarest.org/themarineprofessional/item/2289-ship-efficiency-standards-are-too-weak-to-drive-improvement-study-suggests> Since 2013 newly-built ships subject to IMO's design fuel efficiency standard – known as the EEDI – have performed much the same as those not covered, a report for two environmental lobbying bodies Seas At Risk (SAR) and Transport & Environment (T&E), has found.

Paperwork For Approval To Gazette PSSAs Will Be Submitted In October - MB. *Bernama (Malaysia)* [Online]. 10 April 2016. Available from: <http://www.bernama.com/bernama/v8/ge/newsgeneral.php?id=1233862> The paperwork to apply for approval from the International Maritime Organisation (IMO) to gazette 'Particularly Sensitive Sea Areas (PSSAs)' from Tanjung Piai to Kukup here, will be submitted in in October, said Johor Menteri Besar Datuk Seri Mohamed Khaled Nordin.

BIMCO top priorities for IMO's Marine Environment Protection Committee. *Baltic and International Maritime Council (BIMCO)* [Online]. 15 April 2016. Available from: https://www.bimco.org/News/2016/04/15_MEPC_priorities.aspx BIMCO has today shared the two critical issues at the top of its own priority list ahead of the IMO's Marine Environment Protection Committee (MEPC) meeting next week.

Singapore Voices Support for IMO as Secretary-General Sets Sights on Environment for MEPC 69. *Ship & Bunker* [Online]. 19 April 2016. Available from: <http://shipandbunker.com/news/world/960241-singapore-voices-support-for-imo-as-secretary-general-sets-sights-on-environment-for-mepc-69> As the International Maritime Organization's (IMO's) Marine Environment Protection Committee 69th session (MEPC 69) meets this week, Andrew Tan, CEO of the Maritime and Port Authority (MPA) said that the organisation will continue to support the IMO in its work toward improving energy-efficiency within the shipping industry.

UK must not let shipping sink the Paris Agreement! By shadow transport minister Richard Burden. *The Ecologist* [Online]. 18 April 2016. Available from: http://www.theecologist.org/blogs_and_comments/commentators/2987567/uk_must_not LET_shipping_sink_the_paris_agreement.html This week, the International Maritime Organisation could act to curb fast-rising emissions from shipping under the Paris Agreement.

A code to grow on. By Kevin McGwin. *Arctic Journal* [Online]. 18 April 2016. Available from: <http://arcticjournal.com/business/2285/code-grow> If asked about the significance of the 68th annual meeting of the Marine Environment Protection Committee, a sub-group of the International Maritime Organisation, most would draw a blank.

ICS Welcomes Progress on CO2 Reduction by Ships at IMO. *International Chamber of Shipping (ICS)* [Online]. 22 April 2016. Available from: <http://www.ics-shipping.org/news/press-releases/2016/04/22/ics-welcomes-progress-on-co2-reduction-by-ships-at-imo> The International Chamber of Shipping (ICS) has welcomed progress made by the IMO Marine Environment Committee (MEPC) this week (18-22 April) towards the adoption of a global CO2 data collection system.

European shipowners are pleased: IMO continues its course on CO2 reduction of shipping. *European Community Shipowners' Associations (ECSA)* [Online]. 22 April 2016. Available from: <http://www.ecsa.eu/9-latest-news/251-european-shipowners-are-pleased-imo-continues-its-course-on-co2-reduction-of-shipping> European shipowners welcome the significant progress made this week at the 69th session of the IMO Marine Environment Protection Committee (MEPC).

MEPC 69: Comment from Carbon War Room. *Hellenic Shipping News* [Online]. 26 April 2016. Available from: <http://www.hellenicshippingnews.com/mepc-69-comment-from-carbon-war-room/> On the outcome of the International Maritime Organisation's (IMO's) Marine Environmental Protection Committee (MEPC 69) meeting last week, Galen Hon, Manager of Carbon War Room's Shipping Efficiency operation, commented:

IMO Secretary-General Says MEPC 69 Debate Post COP 21 Agreement Was "Constructive". *Ship & Bunker* [Online]. 25 April 2016. Available from: <http://shipandbunker.com/news/world/750245-imo-secretary-general-says-mepc-69-debate-post-cop-21-agreement-was-constructive> International Maritime Organization (IMO) Secretary-General Kitack Lim Friday, in closing remarks at the Marine Environmental Protection Committee (MEPC) 69th session (MEPC 69), said that the meeting gleaned a "constructive debate" on ways that the organisation could best support goals outlined in the COP 21 agreement reached in Paris in December.

US, China resist shipping emissions curbs at UN meet. By Megan Darby. *Climate Home* [Online]. 21 April 2016. Available from: <http://www.climatechangenews.com/2016/04/21/us-china-resist-shipping-emissions-curbs-at-un-meet/> International Maritime Organization talks on a carbon target ended in watery compromise on Thursday, after a standoff between Europe and emerging economies

Mixed reception for new greenhouse gas proposals at MEPC. By Gary Howard. *Lloyd's List* [Online]. 21 April 2016. Available from: <https://www.lloydslist.com/ll/sector/regulation/article523063.ece> Divisions were apparent today at the International Maritime Organization as its Marine Environment Protection Committee discussed the response from shipping to the Paris Agreement produced at last year's COP21 meeting.

IMO scuttles shipping's response to Paris climate deal. *Seas at Risk* [Online]. 21 April 2016. Available from: <http://www.seas-at-risk.org/18-shipping/637-imo-scuttles-shipping-s-response-to-paris-climate-deal.html> The shipping sector's response to the Paris climate agreement was left in disarray after governments attending a meeting of the International Maritime Organisation (IMO) today were unable to even agree on a work plan to develop a shipping 'fair share' contribution to the goal of limiting temperature increases to 1.5/2°C.

LAW AND POLICY

Effluent Discharge Lands Docked Ship NIS 6,000 Fine. *Israel Ministry of Environmental Protection* [Online]. 30 March 2016. Available from: <http://www.sviva.gov.il/English/ResourcesandServices/NewsAndEvents/NewsAndMessageDove/Pages/2016/03-March/Effluent-Discharge-Lands-Docked-Ship-NIS-6000-Fine.aspx> MoEP inspectors questioned the captain of the *Billesborg*, a ship flying the Panamanian flag, after receiving reports about the problem.

RINA and Messina under investigation over irregular certifications. By Nicola Capuzzo. *Splash 24/7* [Online]. 30 March 2016. Available from: <http://splash247.com/rina-and-messina-under-investigation-over-irregular-certifications/> The Italian classification society RINA and Ignazio Messina & C. shipping company are being investigated by the local court in Genoa for some safety certifications released to the ships of the Genoa-based shipping company which appear not to be in compliance with the required safety rules according to the prosecutor.

EU-India summit fails to defuse row over Italian marines. By Thomas Escritt and Francesco Guarascio. *Reuters* [Online]. 30 March 2016. Available from: <http://uk.reuters.com/article/uk-india-italy-arbitration-idUKKCN0WW0UV> The European Union and India failed on Wednesday to defuse a long-running row over two Italian marines accused of murder and the case moved to an international tribunal after four years of diplomatic squabbles.

Falkland Islands seek clarity on new ruling expanding Argentina's sea control. *BBC News* [Online]. 29 March 2016. Available from: <http://www.bbc.co.uk/news/business-35914839> The Falkland Islands have asked the UK to clarify the meaning of an international commission judgement that would leave the islands surrounded by Argentina's territorial waters.

Indonesia and China need to combat the IUU problem. By Rizal Sukma, Indonesian ambassador to the UK. *Jakarta Post* [Online]. 31 March 2016. Available from: <http://www.thejakartapost.com/news/2016/03/31/indonesia-and-china-need-combat-iuu-problem.html> The recent incident involving a Chinese coastguard vessel and Indonesia's Maritime and Fisheries Monitoring Task Force near Indonesia's Natuna Islands has once again highlighted the problem of illegal fishing in Indonesia-China relations.

Row over Marines Who Shot Fishermen Continues. *Maritime Executive* [Online]. 30 March 2016. Available from: <http://www.maritime-executive.com/article/row-over-marines-who-shot-fishermen-continues> On Wednesday, the European Union and India failed to defuse a long-running row over two Italian marines accused of murder and the case moved to an international tribunal after four years of diplomatic squabbles.

Vietnam seizes Chinese ship in South China Sea in rare move. By Raul Dancel. *Straits Times* [Online]. 4 April 2016. Available from: <http://www.straitstimes.com/asia/se-asia/vietnam-seizes-chinese-ship-in-south-china-sea-in-rare-move> Vietnam became the latest country to get embroiled in a potential stand-off with China over fishing in its waters when it seized a Chinese ship with three people on board in the Gulf of Tonkin near the South China Sea.

US judge OKs \$20B settlement from 2010 BP oil spill. By Kevin McGill. *Associated Press (AP)* [Online]. 4 April 2016. Available from: <http://bigstory.ap.org/article/062ee20eed004fcf94f151f5fb29b8e7/us-judge-oks-20b-settlement-2010-bp-oil-spill-0> A federal judge in New Orleans granted final approval Monday to an estimated \$20 billion settlement over the 2010 BP oil spill in the Gulf of Mexico, resolving years of litigation over the worst offshore spill in the nation's history.

Deepwater Horizon Consent Decree. *US Department of Justice* [Online]. 4 April 2016. Available from: <https://www.justice.gov/enrd/deepwater-horizon> On April 4, 2016, a federal court in New Orleans entered a consent decree resolving civil claims against BP arising from the April 20, 2010 Macondo well blowout and the massive oil spill that followed in the Gulf of Mexico.

Implementation Of Cabotage Act As Panacea For Maritime Subsector Devt.

By Samson Echenim. *Leadership (Nigeria)* [Online]. 3 April 2016. Available from: <http://leadership.ng/business/514709/implementation-cabotage-act-panacea-maritime-subsector-devt> To build up the vast potential in Nigeria's maritime sector, there arose the need for a law that would give legal backing to it.

Gov't Sinks Three Malaysian Ships over Illegal Fishing. *Tempo (Indonesia)* [Online].

6 April 2016. Available from: <http://en.tempo.co/read/news/2016/04/06/055760157/Govt-Sinks-Three-Malaysian-Ships-over-Illegal-Fishing> The Maritime Ministry's Task Force 115 destroyed 3 Malaysian-flagged ships off the shore of Kuala Langsa Beach, Aceh, on Tuesday April 5.

Captain Arrested for Port Call in North Korea. *Maritime Executive* [Online]. 5 April 2016.

Available from: <http://maritime-executive.com/article/captain-arrested-for-port-call-in-north-korea> Port authorities in the Japanese city of Hokkaido have detained the Chinese captain of the cargo vessel *Lucky Star 8* after finding documents aboard showing that the ship had called in North Korea - contrary to the ship's declarations to customs.

Korea's Doorae Shipping Fined \$750K for Illegal Discharge. **By Greg Trauthwein.**

Maritime Professional [Online]. 7 April 2016. Available from:

<http://www.maritimeprofessional.com/news/koreas-doorae-shipping-fined-750k-287707>

United States District Court Judge Leslie E. Kobayashi accepted the guilty plea of Doorae Shipping Co., LTD, a South Korean maritime operations company, and sentenced the company to pay a fine of \$750,000, a community service payment of \$200,000, and a term of two years of probation for the failure to maintain an accurate oil record book, in violation of the Act to Prevent Pollution from Ships, and making false statements to the U.S. Coast Guard concerning the discharge of oil contaminated bilge water.

Monjasa: No Evidence Was Presented at Trial That Saw 14 Convicted, Bunkering Vessel Forfeited. *Ship & Bunker* [Online]. 6 April 2016. Available from:

<http://shipandbunker.com/news/emea/833139-monjasa-no-evidence-was-presented-at-trial-that-saw-14-convicted-bunkering-vessel-forfeited> A Nigerian court that last month handed down guilty verdicts to 14 men accused of illegal bunkering, did so despite the fact no evidence was presented at any point during the trial process, Monjasa has told Ship & Bunker.

Winners and Losers in Deepwater Horizon Payout. **By Wendy Laursen.** *Maritime Executive*

[Online]. 5 April 2016. Available from: <http://maritime-executive.com/article/winners-and-losers-in-deepwater-horizon-payout> BP has been ordered to pay \$5.5 billion to settle civil damages claims made by the U.S. as a result of the *Deepwater Horizon* oil spill.

Timor-Leste launches United Nations Compulsory Conciliation Proceedings on Maritime Boundaries with Australia. *Government of Timor-Leste* [Online]. 11 April 2016.

Available from: <http://timor-leste.gov.tl/?p=14978&lang=en&lang=en> Timor-Leste today launched compulsory conciliation proceedings under the United Nations Convention on the Law of the Sea (UNCLOS), with the aim of concluding an agreement with Australia on permanent maritime boundaries.

Marking borders in a sea of calm: The Saudi-Egyptian maritime deal. By Youssef Khazem. *Al Arabiya* [Online]. 11 April 2016. Available from: <http://english.alarabiya.net/en/perspective/analysis/2016/04/11/Marking-borders-in-a-sea-of-calm-The-Saudi-Egyptian-maritime-deal-.html> The Saudi-Egyptian maritime border agreement on the Red Sea Islands of Tiran and Sanafir announced in Cairo on Saturday is a case study in political history and geopolitics.

A Promising Start for a High Seas Treaty. By Elizabeth Wilson, Director of International Ocean Policy, Pew Charitable Trusts. *Inter Press Service (IPS)* [Online]. 9 April 2016. Available from: <http://www.ipsnews.net/2016/04/a-promising-start-for-a-high-seas-treaty/> Delegates from 83 countries came together at the United Nations from March 28 to April 8 for the first in a series of landmark meetings on ocean protection.

The South China Sea Disputes: Past, Present, and Future. By Young China Watchers. *The Diplomat* [Online]. 9 April 2016. Available from: <http://thediplomat.com/2016/04/the-south-china-sea-disputes-past-present-and-future/> An interview with Bill Hayton, author of *The South China Sea: The Struggle for Power in Asia*.

Norwegian Shipping Company Sentenced in Alabama to Pay \$2.5 Million for Illegally Discharging Oil into the Ocean. *US Department of Justice* [Online]. 8 April 2016. Available from: <https://www.justice.gov/opa/pr/norwegian-shipping-company-sentenced-alabama-pay-25-million-illegally-discharging-oil-ocean> The Norwegian shipping company DSD Shipping (DSD) was sentenced to pay a total corporate penalty of \$2.5 million as a result of its convictions in Mobile, Alabama, for obstructing justice, violating the Act to Prevent Pollution from Ships (APPS), tampering with witnesses and conspiring to commit these offenses.

Sri Lanka to use China's Maritime Silk Road for infrastructure development. *Indian Express* [Online]. 9 April 2016. Available from: <http://indianexpress.com/article/world/world-news/sri-lanka-chinas-maritime-silk-road-infrastructure-development/> China and Sri Lanka will use the Maritime Silk Road, proposed by Chinese President Xi Jinping, to further infrastructure development in the island-nation, despite India's concerns about Beijing gaining strategic advantage in the Indian Ocean region through the initiative.

NIMASA canvasses early passage of anti-piracy law. By Moses Ebosele. *Guardian (Nigeria)* [Online]. 13 April 2016. Available from: <http://guardian.ng/business-services/maritime/nimasa-canvasses-early-passage-of-anti-piracy-law/> The Nigerian Maritime Administration and Safety Agency (NIMASA) is to partner relevant stakeholders as part of measures to expedite action on the passage of the anti-piracy and other related crimes at sea into law.

International Malaysian Society of Maritime Law sets sail. *Hellenic Shipping News* [Online]. 11 April 2016. Available from: <http://www.hellenicshippingnews.com/international-malaysian-society-of-maritime-law-sets-sail/> The KLRCA will serve as the society's official secretariat as well as provide arbitratory guidance on maritime disputes.

China dissatisfied with G7 foreign ministers' statement on Asia maritime issues. By Wei Zhe Tan. *Lloyd's List* [Online]. 12 April 2016. Available from: <https://www.lloydslist.com/ll/sector/regulation/article522153.ece> China has responded to the G7 foreign ministers' statement which called for the peaceful management and resolution of disputes in the East and South China Seas.

Fiji supports China's proposition on South China Sea issue: ministers. *Xinhuanet (China)* [Online]. 14 April 2016. Available from: http://news.xinhuanet.com/english/2016-04/14/c_135276054.htm Fiji supported China's proposition on the issue of the South China Sea, said a joint press release by Chinese Foreign Minister Wang Yi and his Fijian counterpart Inoke Kubuabola on Wednesday.

Govt Calls Natuna Incident 'Misunderstanding,' Claims Resolution. *Jakarta Globe* [Online]. 14 April 2016. Available from: <http://jakartaglobe.beritasatu.com/news/govt-calls-natuna-incident-misunderstanding-claims-resolution/> Secretary of the Cabinet Pramono Anung on Wednesday (13/04) said the government has reached closure on the Natuna incident involving Chinese coast guard vessels violating Indonesian sovereign borders.

Interior Department Releases Final Well Control Regulations to Ensure Safe and Responsible Offshore Oil and Gas Development. *US Department of the Interior* [Online]. 14 April 2016. Available from: <https://www.doi.gov/pressreleases/interior-department-releases-final-well-control-regulations-ensure-safe-and> Secretary of the Interior Sally Jewell and Director of the Bureau of Safety and Environmental Enforcement Brian Salerno today announced final well control regulations to reduce the risk of an offshore oil or gas blowout that could result in the loss of life, serious injuries or substantial harm to the environment.

Six years after BP spill, U.S. sets new offshore oil safety rules. By Valerie Volcovic. *Reuters* [Online]. 14 April 2016. Available from: <http://www.reuters.com/article/us-usa-oil-safety-idUSKCN0XB2EM> The Obama administration on Thursday unveiled new oil well control rules to prevent the kind of blowout that happened six years ago on a BP Plc (BP.L) rig in the Gulf of Mexico.

Coast Guard, U.S. Navy Seize \$32.7 Million Dollars of Cocaine Interdicted in the Caribbean Sea. *US Coast Guard Newsroom* [Online]. 15 April 2016. Available from: <http://d11.uscgnews.com/go/doc/4007/2808834/> The crews of the Coast Guard Cutter Richard Dixon and the USS Shamal successfully interdicted more than 1,110 kilograms of cocaine and detained four suspected smugglers in international waters in the Caribbean Sea April 7.

NUS and MPA conduct joint research in ocean governance. *Maritime and Port Authority of Singapore (MPA)* [Online]. 21 April 2016. Available from: <http://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/2969c9da-96e0-412f-b583-9bfab2e0dd60> The Centre for International Law (CIL) at the National University of Singapore (NUS) and the Maritime and Port Authority of Singapore (MPA) will be setting up a joint research programme to build up institutional expertise in ocean governance and to spearhead thought leadership in areas critical to bolster Singapore's global maritime knowledge hub status.

'Nigeria's Admiralty Law practice is now internationally recognised'. By Ibe Uwaleke. *Guardian (Nigeria)* [Online]. 26 April 2016. Available from: <http://guardian.ng/features/nigerias-admiralty-law-practice-is-now-internationally-recognised/> The Council as part its corporate responsibility annually organizes maritime seminar for Nigerian judges in Admiralty Law practice to update them on new developments in this area.

Ferry officer sentenced for 2010 collision. By Michael Angell. *TradeWinds* [Online]. 25 April 2016. Available from: <http://www.tradewindsnews.com/casualties/485726/ferry-officer-sentenced-for-2010-collision> A Scottish High Court has sentenced a second officer to eight months in prison for being in charge of a ferry at the time it collided with a fishing vessel in the North Sea, leading to the death of a fisherman aboard the vessel.

Russia, India, China Address South China Sea in Trilateral Statement. By Ankit Panda. *The Diplomat* [Online]. 21 April 2016. Available from: <http://thediplomat.com/2016/04/russia-india-china-address-south-china-sea-in-trilateral-statement/> Two days ago, in Moscow, the foreign ministers of India, Russia, and China released a joint communique outlining areas of trilateral agreement between the three countries.

U.S. says China's intentions in South China Sea raise tension and questions. By Mai Nguyen. *Reuters* [Online]. 21 April 2016. Available from: <http://www.reuters.com/article/us-southchinasea-china-usa-idUSKCN0XI19I> A top U.S. official on Thursday said China's land reclamation and militarization in the disputed South China Sea was raising tensions and serious questions about its intention.

Emirates Maritime Arbitration Centre starts operations in the UAE. By Bob Jaques. *Seatrade Maritime News* [Online]. 21 April 2016. Available from: <http://www.seatrade-maritime.com/news/middle-east-africa/emirates-maritime-arbitration-centre-starts-operations-in-the-uae.html> The setting up of the Emirates Maritime Arbitration Centre (EMAC) and appointment of its Chairman and Board of Trustees has been confirmed by decrees issued by Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of UAE and Rule or Dubai.

UN guidelines and new technologies boost efforts to help curb 'ghost fishing'. *UN News Centre* [Online]. 21 April 2016. Available from: <http://www.un.org/apps/news/story.asp?NewsID=53742> International guidelines being developed by a United Nations agency and new technologies are expected to boost efforts to cut down levels of abandoned fish gear, which often continues to carry out the capture process, entangling fish and other marine animals in its nets, a phenomenon known as "ghost fishing."

'Tribunal order awaited on Marines'. By Krishnadas Rajagopal. *The Hindu (India)* [Online]. 27 April 2016. Available from: <http://www.thehindu.com/news/national/tribunal-order-awaited-on-marines/article8525149.ece> The Centre on Friday informed the Supreme Court that an international tribunal would decide India's jurisdiction to try two Italian marines accused of shooting dead two fishermen off the Kerala coast only in December 2018, leaving the victims' family no choice but to suffer a long wait for justice.

A new era of Antarctic endeavour. *Australian Government* [Online]. 27 April 2016. Available from: <http://www.antarctica.gov.au/news/2016/a-new-era-of-antarctic-endeavour>  A new era of Antarctic engagement was announced today by Environment Minister Greg Hunt MP, with the launch of the Australian Antarctic Strategy and 20 Year Action Plan. [Australian Antarctic Strategy and 20 Year Action Plan](#)

Navy, NIMASA reiterate commitment to protecting Nigeria's waterways. *News Agency of Nigeria (NAN)* [Online]. 26 April 2016. Available from: <http://nannewsnigeria.com/navy-nimasa-reiterate-commitment-protecting-nigerias-waterways> The Chief of the Naval Staff, Vice Adm. Ibok Ete-Ibas and the Director-General of NIMASA, Dr Dakuku Peterside, made this known when a delegation from the agency paid a courtesy visit to the Naval Headquarters, Abuja.

Freighter Captain Charged for Oil Spill on Earth Day. *Maritime Executive* [Online]. 26 April 2016. Available from: <http://www.maritime-executive.com/article/freighter-captain-charged-for-oil-spill-on-earth-day> The New York State Department of Environmental Conservation has charged the captain and the owner of the Marshall Islands-flagged general cargo vessel *South Wind* with several violations of water pollution regulations.

Malta Refuses Entry to Tanker Carrying Libyan Crude. *Maritime Executive* [Online]. 26 April 2016. Available from: <http://www.maritime-executive.com/article/malta-refuses-entry-to-tanker-of-libyan-crude> On Monday, maritime officials in Malta refused entry to the oil tanker *Distya Ameya*.


Prison term for man who admitted causing fatal ferry crash off Rosyth, Scotland. *UK Maritime & Coastguard Agency* [Online]. 25 April 2016. Available from: <http://hmcoastguard.blogspot.co.uk/2016/04/prison-term-for-man-who-admitted.html> The second officer who admitted his actions were responsible for the death of a fisherman, has been sent to prison.

The South China Sea: Vietnam's Limited Diplomatic Options. By Du Nhat Dang. *The Diplomat* [Online]. 23 April 2016. Available from: <http://thediplomat.com/2016/04/the-south-china-sea-vietnams-limited-diplomatic-options/> For Vietnam, 2016 seems fated to be a crucial year.


Costa Concordia captain Schettino's appeals trial to begin. *BBC News* [Online]. 28 April 2016. Available from: <http://www.bbc.co.uk/news/world-europe-36157476>  The appeals trial is to begin in Italy of the captain held responsible for the *Costa Concordia* cruise ship disaster in 2012, in which 32 people were killed.


MARINE TECHNOLOGY

Marine Fuel of the Future: The Case for Methanol. By Greg Dolan, CEO Methanol Institute (MI). *MarineLink.Com* [Online]. 29 March 2016. Available from: <http://www.marinelink.com/news/methanol-future-marine407301.aspx> The global shipping industry is facing increasingly stringent emissions requirements.

Methanol as a marine fuel report. By FC Business Intelligence Ltd. (FCBI). *Methanol Institute (MI)* [Online]. October 2015. Available from: <http://www.methanol.org/getdoc/a9af8c29-e199-4854-b1c7-4e869991aaa7/FCBI-Methanol-Marine-Fuel-Report-Final.aspx>  When the new IMO sulfur regulations were decided seven years ago, reducing the sulfur content in fuel to 0.1 %, there were three alternatives for fulfilling the new requirements: changing to low sulfur diesel (MGO), installing scrubbers or converting our ships to LNG.

Autonomous ships for the high seas. *Science Daily* [Online]. 30 March 2016. Available from: <https://www.sciencedaily.com/releases/2016/03/160330182854.htm> Unmanned ships have received relatively little media attention compared to aerial drones and self-driving cars.

Maritime leaders call for adoption of technology: Sea Asia 2017 Survey. *Sea-Asia* [Online]. 6 April 2016. Available from: http://www.sea-asia.com/Portals/15/Media%20Release/Mediarelease_MARITIME_LEADERS.pdf?timestamp=1460617304167  Maritime leaders are calling on the industry to adopt new technology as a way to capitalise on opportunities and navigate today's increasingly complex operating environment.

Technology Outlook 2025 : Shipping. *DNV GL* [Online]. 5 April 2016. Available from: <http://to2025.dnvgl.com/shipping/>  Shipping is the most energy efficient mode of transport, but there is still significant room for improvement regarding energy efficiency and associated emissions.

New advanced data gathering system for ECA compliance. *Marine Propulsion* [Online]. 11 April 2016. Available from: http://www.mpropulsion.com/news/view,new-advanced-data-gathering-system-for-eca-compliance_42533.htm Parker Kittiwake Procal has launched the new Procal 1200M data gathering system and control unit, specifically designed for maritime use by marine engineers.

Rolls-Royce: Robot Ships Will Be Trading by 2020. *Maritime Executive* [Online]. 12 April 2016. Available from: <http://maritime-executive.com/article/rolls-royce-robot-ships-will-be-trading-by-2020> Last week, the Rolls-Royce led Advanced Autonomous Waterborne Applications Initiative (AAWA) project presented its first findings at a conference in Helsinki, expressing high hopes for vessel automation in commercial service - and predicting that it will arrive soon.

Sea Hunter, DARPA's Game-Changing Robot Warship. By Cheryl Pellerin. *Armed With Science (US Defense Department)* [Online]. 11 April 2016. Available from: <http://science.dodlive.mil/2016/04/11/sea-hunter-darpas-game-changing-robot-warship/> They dispose of bombs, and throw out the occasional first pitch.

KR Upgrades KR-CON with Dangerous Goods Search Function. By Eric Haun. *Maritime Professional* [Online]. 13 April 2016. Available from: <http://www.maritimeprofessional.com/news/upgrades-krcon-with-dangerous-goods-288049> Classification society Korean Register (KR) announced the release of its latest KR-CON software.

Frontex launches talks on possible use of remote piloted systems. *Frontex* [Online]. 15 April 2016. Available from: <http://frontex.europa.eu/news/frontex-launches-talks-on-possible-use-of-remote-piloted-aircraft-systems-0m4b2c> This week, Frontex launched discussions with industry representatives about a possible use of remote piloted aircraft systems (RPAS) for maritime border surveillance and the potential for industry to provide these kinds of services to Frontex.

Marine knowledge now just a mouse click away. By Alan Deidun. *Times of Malta* [Online]. 17 April 2016. Available from: <http://www.timesofmalta.com/articles/view/20160417/environment/Marine-knowledge-now-just-a-mouse-click-away.609168> Besides maritime spatial planning and integrated maritime surveillance, the EU Commission considers marine knowledge as one of the three essential cogs for 'blue growth'.

Aronnax: On technology transfer and co-operation. By Craig Eason. *Lloyd's List* [Online]. 20 April 2016. Available from: <https://www.lloydslist.com/ll/sector/regulation/article522854.ece> The International Maritime Organization is set to use this week's marine environment protection committee meeting to further outline its proposal to create five unique centres to boost awareness and take-up of CO2 reduction technologies.

Bunker Saving First for Tier III Compliant Ferry. *Ship & Bunker* [Online]. 22 April 2016. Available from: <http://shipandbunker.com/news/world/159049-bunker-saving-first-for-tier-iii-compliant-ferry> GE Marine Thursday hailed a bunker-saving first for Norway's *Bastø Fosen I* ferry, saying it was officially the first commissioned vessel with a globally certified International Maritime Organization (IMO) Tier III compliant marine engine that does not need urea based after treatment.

Most commercial vessels required to have AIS. By Jodie Knox. *US Coast Guard Maritime Commons* [Online]. 21 April 2016. Available from:

<http://mariners.coastguard.dodlive.mil/2016/04/21/4212016-most-commercial-vessels-required-to-have-ais/> The Coast Guard published a news release announcing that it is expanding Automatic Identification System (AIS) requirements to include additional commercial vessels.

GE's IMO Tier III compliant diesel engine calls Norway home. *ShipInsight* [Online].

22 April 2016. Available from: <https://www.shipinsight.com/ges-imo-tier-iii-compliant-diesel-engine-calls-norway-home/> Norway's *Bastø Fosen I* ferry is officially the first commissioned vessel with a globally certified International Maritime Organization (IMO) Tier III compliant marine engine that does not need urea based after treatment.

Drone detection of sulphur emissions. By Lucinda Roberts, Associate, Clyde & Co.

The Motorship [Online]. 27 April 2016. Available from:

<http://www.motorship.com/news101/industry-news/drone-detection-of-sulphur-emissions>

Aerial drones may have the potential to assist enforcement of emissions legislation, but without an international standard for their use several questions remain, writes Lucinda Roberts, associate at law firm Clyde & Co.

AIS Regulations: New Responsibilities and Opportunities. By Jules Riegall.

MarineLink.Com [Online]. 26 April 2016. Available from:

<http://www.marinelink.com/news/responsibilities-new408761.aspx> From increasing situational awareness and enhancing the safety and security of maritime transportation, to its use in accident investigation, search and rescue, Aids to Navigation and asset monitoring, the role of AIS (Automatic Identification System) as a flexible and developing technology continues to grow in significance.

MARITIME SAFETY

Fatigue risks of "two-watch system" discounted in freight stakeholders paper, MM&P says. *International Organization of Masters, Mates & Pilots* [Online]. 30 March 2016.

Available from: <http://bridgedeck.org/latest/fatigue-risks-of-two-watch-system-discounted-in-freight-stakeholders-paper-mmp-says/> A recently released paper on the "six-on/six-off" system is little more than an opinion piece intended to serve the interests of operators in the inland tug and barge industry.

Prevention and prediction drive new solutions. By Selwyn Parker.

Passenger Ship Technology [Online]. 8 April 2016. Available from:

http://www.passengership.info/news/view/prevention-and-prediction-drive-new-solutions_42514.htm

Fires on board passenger ships, and especially on ro-ro ferries, occur far too frequently, according to a series of studies by IMO safety experts.

The Quest for Safer Seas. By Chiemelie Ezeobi. *This Day (Nigeria)* [Online]. 20 April 2016.

Available from: <http://www.thisdaylive.com/index.php/2016/04/20/the-quest-for-safer-seas/>

Chiemelie Ezeobi who was onboard Nigerian Navy Ship *OKPABANA* for nine days, writes on the quest for safer seas.



MCA to review safety on pre-1992 passenger ships. By David Osler. *Lloyd's List* [Online].

22 April 2016. Available from: <https://www.lloydslist.com/ll/incoming/article523194.ece> Britain's official shipping safety regulator is to undertake an assessment of standards governing pre-1992 UK-flag passenger vessels, which will review them against modern stipulations in key safety areas, the Maritime and Coastguard Agency has announced.

EU places of refuge guidelines could form basis of global deal. By David Osler.

Lloyd's List [Online]. 21 April 2016. Available from: <https://www.lloydslist.com/ll/sector/ship-operations/article523067.ece> European Union guidelines on places of refuge for stricken vessels have been a success and could ultimately contribute to a global voluntary framework, a European Commission official has told an industry audience.

New study raises safety concerns over new Panama Canal locks.

International Transport Workers' Federation [Online]. 27 April 2016. Available from: <http://www.itfglobal.org/en/news-events/press-releases/2016/april/new-study-raises-safety-concerns-over-new-panama-canal-locks/> An independent safety study into the Panama Canal expansion, which was commissioned by the ITF (International Transport Workers' Federation) and released this morning at a press conference in Panama City, has raised pressing concerns about the canal's new locks. [Final Report: Maneuverability Analysis in Panama Canal New Locks](#)  [Manoeuvrability Analysis in Panama Canal New Locks](#) 

MARITIME SECURITY

Fake bomb warning on Attica-owned ferry. By Nick Roumpis. *TradeWinds* [Online].

31 March 2016. Available from: <http://www.tradewindsnews.com/liner/390819/fake-bomb-warning-on-attica-owned-ferry> An anonymous call was received by the Piraeus Port Authority (OLP) earlier this morning, claiming that a bomb had been placed on the 29,858-gt *Blue Star 1* (built 2000).

Is the refugee crisis hitting Greek port security code compliance? By David Glass.

Seatrade Maritime News [Online]. 30 March 2016. Available from: <http://www.seatrade-maritime.com/news/europe/is-refugee-crisis-hitting-greek-port-security-code-compliance.html> The situation is repeated in the east Aegean island ports of Lesbos, Samos and Kos as the flow of boat people from Turkey to Greece, and until a few weeks back possibly to wider Europe, continues unabated bringing into question Greek compliance with the International Ship and Port Facility Security (ISPS) Code.

World's Largest Maritime Exercise Underway in Middle East. *United States Navy* [Online].

4 April 2016. Available from: http://www.navy.mil/submit/display.asp?story_id=93996 The International Mine Countermeasures Exercise, the largest maritime exercise in the world, kicked off April 4, with international naval and civilian maritime forces from more than 30 nations spanning six continents training together across the Middle East.

Third Illicit Arms Shipment in Recent Weeks Seized in Arabian Sea. *United States Navy*

[Online]. 4 April 2016. Available from: http://www.navy.mil/submit/display.asp?story_id=93990 For the third time in recent weeks, international naval forces operating in the waters of the Arabian Sea seized a shipment of illicit arms March 28, which the United States assessed originated in Iran and was likely bound for Houthi insurgents in Yemen.

Singtel and Inmarsat announce strategic partnership to strengthen global maritime cyber security capabilities. *Inmarsat* [Online]. 6 April 2016. Available from:

<http://www.inmarsat.com/press-release/singtel-inmarsat-announce-strategic-partnership-strengthen-global-maritime-cyber-security-capabilities/> Singapore Telecommunications Limited (Singtel) and Inmarsat (LSE:ISAT.L) have entered into a strategic partnership to enhance maritime cyber security using Trustwave's Unified Threat Management (UTM) solution.

China switches on lighthouse on artificial island in South China Sea. By Ben Blanchard.

Reuters [Online]. 6 April 2016. Available from: <http://www.reuters.com/article/us-southchinesea-china-idUSKCN0X3048> China has begun operating a lighthouse on one of its artificial islands in the South China Sea near where a U.S. warship sailed last year to challenge China's territorial claims.

U.S. Coast Guard, Brunei Darussalam partner to improve port security.

US Coast Guard Newsroom [Online]. 5 April 2016. Available from: <http://www.uscgnews.com/go/doc/4007/2806002/> This engagement involved sharing best practices and visiting with the Director of Marine Department, Ministry of Communications to observe the implementation of the International Ship and Port Facility Security Code at two port facilities in the Port of Muara: Muara Container Terminal, and Muara Serasa Ferry Terminal.

Abu Sayaff: the threat to shipping returns. *Splash 24/7* [Online]. 7 April 2016.

Available from: <http://splash247.com/abu-sayaff-the-threat-to-shipping-returns/> Filipino terrorist group Abu Sayyaf is back in the shipping headlines, kidnapping crew in Southeast Asia.

Vessels or boats above 12 metres overall to be fitted with Automatic Identification System. *Government of Mauritius* [Online]. 7 April 2016. Available from:

<http://www.govmu.org/English/News/Pages/Vessels-or-boats-above-12-metres-overall-to-be-fitted-with-Automatic-Identification-System.aspx> All vessels or boats above 12 metres of length overall and licensed to fish will soon have to be fitted with an Automatic Identification System (AIS) for better monitoring and sea patrol of vessels.

How Technology Is Boosting Risk Levels at Ports and Terminals. *Hellenic Shipping News* [Online]. 7 April 2016. Available from: <http://www.hellenicshippingnews.com/how-technology-is-boosting-risk-levels-at-ports-and-terminals/> Marine terminals have long been viewed as "the weak link" in international supply chains, according to Julien Horn, director of TTMS (Gulf) Ltd., the Middle East network partner of global transportation and logistics insurer TT Club.

G7 Foreign Ministers' Statement on Maritime Security April 11, 2016 Hiroshima, Japan.

European External Action Service (EEAS) [Online]. 11 April 2016. Available from: http://eeas.europa.eu/statements-eeas/2016/160411_05_en.htm Recognizing the importance of the oceans, we, the Foreign Ministers of Canada, France, Germany, Italy, Japan, the United Kingdom, the United States of America and High Representative of the European Union, reaffirm our commitment to further international cooperation on maritime security and safety.

Maritime Crime in South East Asia Drops to Lowest Levels for a Decade While Kidnap, Ransom and Sabotage Surge in Gulf of Guinea. *Hellenic Shipping News* [Online].

12 April 2016. Available from: <http://www.hellenicshippingnews.com/maritime-crime-in-south-east-asia-drops-to-lowest-levels-for-a-decade-while-kidnap-ransom-and-sabotage-surge-in-gulf-of-guinea/> Dryad Maritime, the UK's leading maritime intelligence and operations company has released its Q1 2016 analysis of globally reported incidents of piracy and crime against mariners.

Greater security needed in waters between Indonesia, Malaysia, Philippines: Seafarers. By Saifulbahri Ismail. *Channel News Asia* [Online]. 11 April 2016. Available from:

<http://www.channelnewsasia.com/news/asiapacific/greater-security-needed/2686214.html> Some members of the community say maritime cooperation arrangements similar to what have been set up in the Strait of Malacca need to be considered, in the wake of the Abu Sayyaf kidnapping.

Maritime Crime Figures for Q1 2016. *Dryad Maritime* [Online]. 8 April 2016. Available from: <http://www.dryadmaritime.com/maritime-crime-figures-q1-2016/> Providing commentary on maritime piracy and crime around the world, the migrant crisis in the Mediterranean and the increase in criminal activity in the Gulf of Guinea; Dryad's Maritime Crime Figures for Q1, 2016 outline the diverse and complex threats that shipping companies and mariners face.

NIST Cybersecurity Framework Shop. By Jodie Knox. *US Coast Guard Maritime Commons* [Online]. 15 April 2016. Available from: <http://mariners.coastguard.dodlive.mil/2016/04/15/4152014-nist-cybersecurity-framework-shop/> The purpose of the workshop was to provide a sampling of the Cybersecurity Framework use and work products as well as gather input to help NIST understand stakeholder awareness and current use of the Framework.

U.S. Coast Guard Supports Senegalese Maritime Law Enforcement Operation. *US Naval Forces Europe-Africa / US 6th Fleet Public Affairs* [Online]. 15 April 2016. Available from: <http://www.c6f.navy.mil/news/us-coast-guard-supports-senegalese-maritime-law-enforcement-operation> The Senegalese navy, Senegalese interagency representatives, and a U.S. Coast Guard law enforcement detachment completed a combined U.S.-Senegal law enforcement operation as part of Africa Maritime Law Enforcement Partnership, April 15.

SAMI goes into liquidation after membership halves. By Holly Birkett. *Splash 24/7* [Online]. 19 April 2016. Available from: <http://splash247.com/sami-goes-into-liquidation-after-membership-halves/> The Security Association for the Maritime Industry (SAMI) says it has become a victim of its own success and has gone into voluntary liquidation in the UK due to a fall in membership.

Pirates and journalists tracking seafarer social media posts, warns Norwegian Hull Club. By Sam Chambers. *Splash 24/7* [Online]. 20 April 2016. Available from: <http://splash247.com/pirates-and-journalists-tracking-seafarer-social-media-posts-warns-norwegian-hull-club/> The Norwegian Hull Club has warned seafarers to be careful about what they post into social media as the information could be hijacked by both pirates and journalists.

Maritime Industry Gathers to Address Cyber Security Threats. *Maritime and Port Authority of Singapore (MPA)* [Online]. 20 April 2016. Available from: <http://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/7c63a1df-b929-4b60-97f2-5e5491a54cda> The Maritime and Port Authority of Singapore (MPA) and the Singapore Shipping Association today co-organised the inaugural Cyber Security Seminar in conjunction with the Singapore Maritime Week 2016.

Indonesian port halts coal exports after crew kidnaps. By Holly Birkett. *Splash 24/7* [Online]. 20 April 2016. Available from: <http://splash247.com/indonesian-port-halts-coal-exports-philippines-crew-kidnaps/> Coal exports have been halted from Banjarmasin port in Indonesia's South Kalimantan province after crew were abducted from a coal-carrying vessel by suspected Islamic militants, reports say.

Maritime dispute with Cote d'Ivoire 'a trap' for Ghana – Duncan-Williams. *Ghana Web* [Online]. 25 April 2016. Available from: <http://www.ghanaweb.com/GhanaHomePage/NewsArchive/Maritime-dispute-with-Cote-d-Ivoire-a-trap-for-Ghana-Duncan-Williams-433544> Archbishop Nicholas Duncan-Williams has said there is a trap laid for Ghana, in the maritime dispute with its western neighbour Ivory Coast.

Fairdeal tanker shot off Yemeni port. By Nick Roumpis. *TradeWinds* [Online]. 25 April 2016. Available from: <http://www.tradewindsnews.com/piracy/485722/fairdeal-tanker-shot-off-yemeni-port> A Liberia-flagged tanker has been attacked near the Yemeni port of Al Mukalla.

Piracy and Maritime Crime Costing Nigeria USD 1.5 Bn a Month. *World Maritime News* [Online]. 26 April 2016. Available from: <http://worldmaritimenews.com/archives/189965/piracy-and-maritime-crime-costing-nigeria-usd-1-5-bn-a-month/> Nigeria is losing about USD 1.5 billion a month due to piracy, armed robbery at sea, smuggling, and fuel supply fraud as piracy and armed robbery in the Gulf of Guinea increase at an alarming rate, the UN Security Council was told at a debate on Monday.

NATO Secretary General visits NATO flagship in Aegean Sea.

North Atlantic Treaty Organization (NATO) [Online]. 21 April 2016. Available from: http://www.nato.int/cps/en/natohq/news_130225.htm The Secretary General thanked the crew for their important work and stressed that NATO's deployment in the Aegean is making a difference in the international efforts to deal with the greatest refugee and migrant crisis facing Europe since World War Two.

Assessing maritime security's legal framework governing vessel hijacking.

By Siswanto Rusdi, Director of the National Maritime Institute (NAMARIN). *Antara News (Indonesia)* [Online]. 22 April 2016. Available from: <http://www.antaraneews.com/en/news/104325/assessing-maritime-securitys-legal-framework-governing-vessel-hijacking> The recent hijacking of Indonesian-flagged vessels off the Philippines coast by the Abu Sayyaf group has prompted numerous comments and analyses by experts and observers in the media.

Maritime Cybersecurity: The Old and New. By Cinthia Granados Motley and Charles Davant.

Maritime Executive [Online]. 20 April 2016. Available from: <http://www.maritime-executive.com/editorials/maritime-cybersecurity-the-old-and-new> Latin America has over 300 ports and with the expansion of the Panama Canal, which will double its capacity, almost complete, shipping and vessel traffic is top of mind.

China dismisses Pentagon report on freedom of navigation. By Zhang Tao.

China Military Online [Online]. 27 April 2016. Available from: http://english.chinamil.com.cn/news-channels/today-headlines/2016-04/27/content_7026243.htm China on Tuesday urged the United States to show respect for other countries' sovereignty and security.

The US Cancelled a Scheduled FONOP in the South China Sea. What Now? By Ankit Panda.

The Diplomat [Online]. 27 April 2016. Available from: <http://thediplomat.com/2016/04/the-us-cancelled-a-scheduled-fonop-in-the-south-china-sea-what-now/> The United States canceled a scheduled maritime freedom of navigation operation (FONOP) in the South China Sea, a government source told the Wall Street Journal.

Security Council Committee Concerning Libya Adds Name of Vessel to its Sanctions List.

United Nations [Online]. 27 April 2016. Available from: <http://www.un.org/press/en/2016/sc12341.doc.htm> On 27 April 2016, the Security Council Committee established pursuant to resolution 1970 (2011) concerning Libya approved the addition of the entry specified below to its List of individuals and entities subject to the assets freeze, travel ban and other measures relating to attempts to illicitly export crude oil.

The next Somalia. By Andrew Craig-Bennett. *Splash* 24/7 [Online]. 26 April 2016. Available from: <http://splash247.com/the-next-somalia/> In January 2015, I went for a swim in the Sulu Sea - just a family day out at the seaside, but if I had listened to my embassy's advice I should not have been there, because the beach I swam from was in Zamboanga del Sur, in Mindanao, and as such I was exposed to a remote risk of getting myself kidnapped.

MARITIME TRAINING

Maritime education and training in the spotlight as MARACAD 2016 returns to Dubai.

All About Shipping [Online]. 29 March 2016. Available from:

<http://www.allaboutshipping.co.uk/2016/03/29/maritime-education-and-training-in-the-spotlight-as-maracad-2016-returns-to-dubai/> MARACAD 2016, which is organized by Cham Events, will take place on 20th - 21st September at Dubai World Trade Centre UAE, and will comprise a conference and exhibition focused on helping shipping industry stakeholders prepare a new generation for jobs in the maritime sector.

Master mariners, engineers to serve as faculty instructors at MMTC.

By Moshood Aliyu. *Guardian (Nigeria)* [Online]. 30 March 2016. Available from:

<http://guardian.ng/business-services/master-mariners-engineers-to-serve-as-faculty-instructors-at-mmtc/> The Academic standard at the Matral Maritime Training Centre (MMTC), Calabar, Cross Rivers State received a boost recently when a group of marine Engineers and master mariners offered to serve as faculty instructors at the institution as part of measures to sustain the vision of its founder, late Captain Solomon Omoteso.

\$1.4 million upgrade helps drive Sim Centre into the future. *University of Tasmania* [Online]. 24 March 2016. Available from: <https://www.amc.edu.au/news/14-million-upgrade-helps-drive-sim-centre-future> Students and commercial clients now have access to the latest in state-of-the-art simulation training technology thanks to a \$1.4 million upgrade at the Australian Maritime College.

Shortage of training ships is stumbling block for seafarers. By T. E. Raja Simhan.

The Hindu (India) [Online]. 1 April 2016. Available from:

<http://www.thehindubusinessline.com/economy/logistics/shortage-of-training-ships-is-stumbling-block-for-seafarers/article8423505.ece> India is a large supplier of seafarers for global ships, but China is racing ahead in training cadets to meet the future demand for trained seafarers.

Videotel Training Programmes to Receive Credit Toward Science Degrees as Part of Agreement with Marine Learning Alliance. *Hellenic Shipping News* [Online]. 7 April 2016.

Available from: <http://www.hellenicshippingnews.com/videotel-training-programmes-to-receive-credit-toward-science-degrees-as-part-of-agreement-with-marine-learning-alliance/> VideotelTM, the leading international provider of e-Learning maritime training programmes and a company of KVH Industries, Inc., has announced a partnership with the Marine Learning Alliance (MLA), a U.K.-based specialist in marine industry education and training, to award credits toward a bachelors or masters degree of science (BSc or MSc) to seafarers who have completed certain Videotel courses.

Over 80 maritime students graduate. *Seychelles Nation* [Online]. 6 April 2016.

Available from: <http://www.nation.sc/article.html?id=248985> The graduation ceremony took place in the presence of the Minister for Education Macsuzy Mondon, other ministers, French Ambassador Lionel Majesté-Larrouy, principal secretary responsible for tertiary education Linda Barallon, SMA staff as well as the graduates' parents.

Sea Cadets' new tall ship stops in Jersey. *ITV News (UK)* [Online]. 6 April 2016. Available from: <http://www.itv.com/news/channel/2016-04-06/sea-cadets-new-tall-ship-stops-in-jersey/> The Sea Cadets' new tall ship stopped over in Jersey last night as part of a trip from Gosport to France with 26 cadets on board.

Caribbean Maritime Institute and Sam Sharpe Teachers' College Forge Partnership. By Marlon Tingling. *Jamaica Information Service* [Online]. 11 April 2016. Available from: <http://jis.gov.jm/caribbean-maritime-institute-sam-sharpe-teachers-college-forge-partnership/> State Minister for Education, Youth and Information, Hon. Floyd Green, has welcomed the partnership forged between the Caribbean Maritime Institute (CMI) and Sam Sharpe Teachers' College to provide tertiary training for skills in the maritime industry.

Reaching the ships' crews cut off from learning. By Sean Coughlan. *BBC News* [Online]. 13 April 2016. Available from: <http://www.bbc.co.uk/news/business-35891012> If you were to think about bringing distance learning to a place with only patchy internet and where people were away from home for two weeks at a time, you might not immediately think of a cross-channel ferry.

India may get its second maritime university by 2018. *Hellenic Shipping News* [Online]. 19 April 2016. Available from: <http://www.hellenicshippingnews.com/india-may-get-its-second-maritime-university-by-2018/> India will soon get its second maritime university, with the first course likely to be rolled out in 2018.

IBIA Develops New Bunker Course to Address Lack of Bunkering Info in STCW Training. *Ship & Bunker* [Online]. 19 April 2016. Available from: <http://shipandbunker.com/news/world/739484-ibia-develops-new-bunker-course-to-address-lack-of-bunkering-info-in-stcw-training> The International Bunker Industry Association (IBIA) today announced it has joined with UK-based South Shields Marine School at South Tyneside College, to develop a course unit on bunkering essentials for merchant navy cadets and engineering officers taking their Class one and Class two certificates of competency.

Kongsberg introduces ECDIS E-learning course. *Kongsberg Maritime* [Online]. 25 April 2016. Available from: <https://www.km.kongsberg.com/ks/web/nokbg0238.nsf/AllWeb/3DD760249A25C09EC1257FA000344274?OpenDocument> Developed in compliance with STCW and ISM, the new course offers more choice for users of KONGSBERG ECDIS by providing high quality training that can be conducted remotely and in the customer's or individual student's own timeframe.


IMEC, ITF agree USD 3m investment in Ukraine maritime training. *International Transport Workers' Federation* [Online]. 26 April 2016. Available from: <http://www.itfglobal.org/en/news-events/press-releases/2016/april/imec-itf-agree-usd-3m-investment-in-ukraine-maritime-training/> IMEC and the ITF work together as social partners to administer the SEPF.

MIGRANTS


Italy rescues nearly 1,400 migrants in southern Mediterranean. By Philip Pullella. *Reuters* [Online]. 29 March 2016. Available from: <http://uk.reuters.com/article/uk-europe-migrants-italy-idUKKCN0WV279> Italian coast guard and navy vessels rescued nearly 1,400 migrants from boats and rubber dinghies in the southern Mediterranean on Tuesday, officials said, indicating numbers were rising as the weather warms up.

Turkey, Greece scramble to start EU deal as migrant arrivals rise. By Tulay Karadeniz and Dasha Afanasieva. *Reuters* [Online]. 30 March 2016. Available from: <http://www.reuters.com/article/us-europe-migrants-turkey-idUSKCN0WW1Q7> Five days before Turkey is due to begin taking back illegal migrants from Greece under a deal with the European Union, neither side is fully ready, with officials scrambling to be able to make at least a symbolic start as new arrivals rise.

European policy is driving refugees to more dangerous routes across the Med. MEDMIG [Online]. 29 March 2016. Available from: <http://www.medmig.info/european-policy-is-driving-refugees-to-more-dangerous-routes-across-the-med/#more-547> It is estimated that in 2015, more than a million people crossed the Mediterranean to Europe in search of safety and a better life.

Unpacking a rapidly changing scenario: migration flows, routes and trajectories across the Mediterranean. MEDMIG [Online]. March 2016. Available from: <http://www.medmig.info/wp-content/uploads/2016/03/MEDMIG-Briefing-01-March-2016-FINAL-1.pdf>  The MEDMIG project seeks to better understand these unprecedented movements in the region by examining the journeys, motivations and aspirations of refugees and migrants in Italy, Greece, Turkey and Malta.

Mediterranean Migrant Arrivals in 2016: 169,060; Deaths: 620. *International Organization for Migration (IOM)* [Online]. 1 April 2016. Available from: <http://www.iom.int/news/mediterranean-migrant-arrivals-2016-169060-deaths-620> At least 170,000 migrants and refugees have entered Europe along sea-borne routes through the first three months of 2016, according to calculations by the International Organization for Migration.

Migrants sent back from Greece arrive in Turkey under EU deal. By Dasha Afanasieva and Karolina Tagaris. *Reuters* [Online]. 4 April 2016. Available from: <http://www.reuters.com/article/us-europe-migrants-greece-returns-idUSKCN0X107Q>  The first migrants deported from Greek islands under a disputed EU-Turkey deal were shipped back to Turkey on Monday in a drive to shut down the main route used by more than a million people fleeing war and poverty to reach Europe in the last year.

Greece and Turkey ready first refugee returns under EU deal. *EurActiv* [Online]. 4 April 2016. Available from: <http://www.euractiv.com/section/justice-home-affairs/news/greece-and-turkey-ready-first-refugee-returns-under-eu-deal/> Greece is making final preparations to return hundreds of asylum seekers to Turkey, the first to be sent back under a landmark EU deal that has been slammed by human rights watchdogs.

Piraeus port flooded by surge of refugees. *Port Strategy* [Online]. 1 April 2016. Available from: <http://www.portstrategy.com/news101/world/europe/piraeus-port-flooded-by-surge-of-refugees> Arrivals of refugees and migrants to Greece from Turkey has risen sharply, days after the European Union and Turkey struck a deal intended to cut off the flow of new arrivals.

Mediterranean Migrant Arrivals at 172,089; Deaths 714. *International Organization for Migration (IOM)* [Online]. 5 April 2016. Available from: <http://www.iom.int/news/mediterranean-migrant-arrivals-172089-deaths-714> Over 172,000 migrants and refugees have arrived by sea to Europe through the first weekend of April, according to IOM.

Coast Guard repatriates 44 Cuban migrants. *US Coast Guard Newsroom* [Online]. 4 April 2016. Available from: <http://www.uscgnews.com/gp/doc/4007/2805546/> These repatriations are a result of three separate migrant interdictions at sea within the last week in the south Florida Straits.

Turkey, Germany herald progress as migrant flow to Greece slows. **By Lefteris Papadimas and Mehmet Emin Caliskan.** *Reuters* [Online]. 6 April 2016. Available from: <http://www.reuters.com/article/us-europe-migrants-greece-arrivals-idUSKCN0X30RK> Turkey and Germany said on Wednesday a deal between Ankara and the EU meant to stem the flow of migrants to the Greek islands was showing signs of success, but many were still trying to cross the sea and the route remained far from sealed off.

Red Cross questions Turkey refugees deal. **By Jorge Valero.** *EurActiv* [Online]. 6 April 2016. Available from: <http://www.euractiv.com/section/justice-home-affairs/news/red-cross-questions-turkey-refugees-deal/> Francesco Rocca, the vice-president of the International Red Cross Federation, questioned the European Union's controversial refugee repatriation agreement with Ankara on the first day refugees started being sent back to Turkey.

Mediterranean Migrant Arrivals in 2016: 172,458; Deaths: 714. *International Organization for Migration (IOM)* [Online]. 8 April 2016. Available from: <http://www.iom.int/news/mediterranean-migrant-arrivals-2016-172458-deaths-714> IOM reports that an estimated 172,458 migrants and refugees have entered Europe by sea into Italy, Greece, Cyprus and Spain through 6 April 2016.

Europe / Mediterranean - Migration Crisis Response Situation Report, 7 April 2016. *International Organization for Migration (IOM)* [Online]. 8 April 2016. Available from: <http://www.iom.int/sitreps/europe-mediterranean-migration-crisis-response-situation-report-7-april-2016>

Migrants Sail to Italy from Egypt. *Maritime Executive* [Online]. 7 April 2016. Available from: <http://www.maritime-executive.com/article/migrants-sail-to-italy-from-egypt> Italy's coast guard said on Thursday it had rescued more than 300 migrants from a packed boat in which they had travelled hundreds of kilometers from Egypt to the Strait of Sicily.

Migrant crisis: 'First deaths in Aegean' since Turkey deal. *BBC News* [Online]. 9 April 2016. Available from: <http://www.bbc.co.uk/news/world-europe-36006489> ☹️ They are thought to be the first deaths in the area since a new deal with Turkey came in to force on Monday with the aim of deterring migrants.

Five migrants drown off Greek island of Samos after boat capsizes. **By Renee Malteizou.** *Reuters* [Online]. 9 April 2016. Available from: <http://www.reuters.com/article/us-europe-migrants-greece-idUSKCN0X607F> Five migrants - four women and one child - drowned when their boat capsized off the Greek island of Samos close to Turkey's coast, Greek coast guard officials said on Saturday.

More migrants return to Turkey from Greece under EU pact. **By Dasha Afanasieva.** *Reuters* [Online]. 9 April 2016. Available from: <http://www.reuters.com/article/us-europe-migrants-greece-turkey-idUSKCN0X50BK> ☹️ Two ferries carrying more than 120 migrants returned to Turkey from the Greek island of Lesbos on Friday, in the second round of arrivals under an EU deal with Ankara to stem mass migration to Europe across the Aegean Sea.

European shipowners find the European Parliament's report on migration balanced and addressing an important topic. *European Community Shipowners' Associations (ECSA)* [Online]. 11 April 2016. Available from: <http://goo.gl/5sOIOc> _European shipowners welcome the own-initiative report of the European Parliament to be adopted this week on migration.

Almost 300 migrants rescued by Norwegian ship. *Reuters* [Online]. 11 April 2016. Available from: <http://www.reuters.com/video/2016/04/11/almost-300-migrants-rescued-by-norwegian?videoid=368072548> 📺 Video shows a Norwegian rescue boat plucking the first of almost 300 migrants off a migrant ship in the Ionian sea off Italy.

Italy saves 4,000 migrants as flow to Greece recedes. *The Local (Italy)* [Online]. 13 April 2016. Available from: <http://www.thelocal.it/20160413/italy-rescues-4000-migrants-in-two-days> On Tuesday, 2,154 migrants were brought to safety in the Strait of Sicily between Italy and north Africa, on top of the 1,850 rescued in the area on Monday, the coastguard said.

Mediterranean Migrant Arrivals at 173,761; Deaths 723. *International Organization for Migration (IOM)* [Online]. 12 April 2016. Available from: <http://www.iom.int/news/mediterranean-migrant-arrivals-173761-deaths-723> IOM reports that an estimated 173,761 migrants and refugees have arrived in Italy, Greece, Cyprus and Spain by sea through 11 April 2016.

People smugglers 'using less busy UK ports'. By Danny Shaw. *BBC News* [Online]. 12 April 2016. Available from: <http://www.bbc.co.uk/news/uk-36027646> Crime gangs are attempting to smuggle migrants into the UK at "less busy" ports after a clampdown at major ports, the National Crime Agency has warned.

LÉ Róisín to go on rescue duty in Mediterranean. By Lorna Siggins. *Irish Times* [Online]. 6 April 2016. Available from: <http://www.irishtimes.com/news/ireland/irish-news/l%C3%A9-r%C3%B3is%C3%ADn-to-go-on-rescue-duty-in-mediterranean-1.2600783> The Naval Service is preparing to send its patrol ship *LÉ Róisín* on humanitarian rescue duty in the southern Mediterranean, following Government approval secured by Minister for the Marine Simon Coveney.

Migrant crisis: EU says numbers in Libya are alarming. *BBC News* [Online]. 13 April 2016. Available from: <http://www.bbc.co.uk/news/world-europe-36038217> 📺 The president of the European Council has warned Italy and Malta of large numbers of would-be migrants in Libya.

Mediterranean Migrant Arrivals in 2016: 177,207; Deaths: 732. *International Organization for Migration (IOM)* [Online]. 15 April 2016. Available from: <http://www.iom.int/news/mediterranean-migrant-arrivals-2016-177-207-deaths-732> IOM reports that an estimated 177,207 migrants and refugees have entered Europe by sea in 2016, arriving in Italy, Greece, Cyprus and Spain, through April 13.

Suspected migrants found in dinghy off Dover coast. By Simon Jones. *BBC News* [Online]. 14 April 2016. Available from: <http://www.bbc.co.uk/news/uk-england-kent-36042806> 📺 Two Iranian men have been rescued after spending eight hours in the English Channel in an inflatable dinghy.

Six corpses found in migrant boat, 108 rescued: Italy coast guard. By Steve Scherer. *Reuters* [Online]. 18 April 2016. Available from: <http://www.reuters.com/article/us-europe-migrants-italy-bodies-idUSKCN0XF109> Six bodies were recovered and 108 migrants were rescued from a semi-submerged rubber dinghy, Italy's coast guard said on Monday, as boat arrivals accelerate amid calm seas.

IOM Bay of Bengal and Andaman Sea Crisis Situation Report - March 2016.

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

<http://www.iom.int/sitreps/iom-bay-bengal-and-andaman-sea-crisis-situation-report-march-2016>

EU leaders 'killing migrants by neglect' after cutting Mediterranean rescue missions.

By Kate Ferguson. *The Independent* [Online]. 17 April 2016. Available from:

<http://www.independent.co.uk/news/world/europe/eu-leaders-killing-migrants-by-neglect-after-cutting-mediterranean-rescue-missions-a6988326.html> EU policymakers are guilty of "killing by neglect" by cutting rescue missions in the Mediterranean - potentially costing the lives of more than 1,500 refugees, according to a report.

MOAS calls for support on 1-year anniversary of Med's 'deadliest day' for migrants.

The Independent (Malta) [Online]. 17 April 2016. Available from:

<http://www.independent.com.mt/articles/2016-04-17/local-news/MOAS-calls-for-support-on-1-year-anniversary-of-Med-s-deadliest-day-for-migrants-6736156440> On the first anniversary of a tragic accident where a boat with an estimated 850 people on board sank in the Mediterranean Sea, search and rescue charity Migrant Offshore Aid Station (MOAS) yesterday called for "a renewed effort to support private efforts to prevent loss of life at sea."

EU Looks to Drones for Migrant Route Surveillance. *Maritime Executive* [Online].

15 April 2016. Available from: <http://www.maritime-executive.com/article/eu-looks-to-drones-for-migrant-route-surveillance> EU border patrol agency Frontex announced Friday that it is in talks with industry for using remotely piloted aircraft for maritime surveillance, adding drones to its existing portfolio of satellite and sensor technologies for monitoring vessel traffic and migrant flows.

Italy close to raising body-filled migrant disaster ship. *The Local (Italy)* [Online].

19 April 2016. Available from: <http://www.thelocal.it/20160419/italy-says-close-to-raising-migrant-disaster-ship> Italy's navy said Monday that work to salvage a sunken trawler stuffed with the corpses of migrants was progressing but that the wreck would not be brought to port before next month.

Migrant crisis: Hundreds dead after capsizes, say survivors. *BBC News* [Online].

18 April 2016. Available from: <http://www.bbc.co.uk/news/world-africa-36071737> Hundreds of migrants drowned when their boat capsized in the Mediterranean, survivors have told the BBC - although there is no official confirmation.

Number of migrants arriving in Greece dropped in March. *Frontex* [Online]. 18 April 2016.

Available from: <http://frontex.europa.eu/news/number-of-migrants-arriving-in-greece-dropped-in-march-aInDt3> The EU-Turkey agreement, coupled with stricter border policies applied by the former Yugoslav Republic of Macedonia at its border with Greece and the new NATO operation in the Aegean, led to a noticeable reduction in the number of migrants arriving on the Greek islands in March.

NATO says migrant numbers in Aegean falling, warns routes could change.

By Dasha Afanasieva and Tulay Karadeniz. *Reuters* [Online]. 21 April 2016. Available from: <http://www.reuters.com/article/us-mideast-crisis-turkey-nato-idUSKCN0XI0QP> The number of migrants and refugees crossing the Aegean Sea from Turkey into Europe is falling significantly but people smugglers can rapidly change routes and authorities must not reduce their security efforts prematurely, the head of NATO said on Thursday.

Survivors report massive loss of life in latest Mediterranean Sea tragedy. *United Nations High Commissioner for Refugees (UNHCR)* [Online]. 20 April 2016. Available from: <http://www.unhcr.org/57177c199.html> On Tuesday, a UNHCR team interviewed survivors of what could be one of the worst tragedies involving refugees and migrants in the last 12 months.

Security Council deplores maritime tragedy in the Mediterranean Sea. *UN News Centre* [Online]. 23 April 2016. Available from: <http://www.un.org/apps/news/story.asp?NewsID=53765> The United Nations Security Council has deplored the recent maritime tragedy in the Mediterranean Sea that resulted in up to 500 deaths when an overcrowded boat capsized en route from Libya to Europe, emphasizing the need for better coordination of efforts to deal with the smuggling of migrants.

Mediterranean Migrant Arrivals in 2016: 181,476; Deaths 1,232. *International Organization for Migration (IOM)* [Online]. 26 April 2016. Available from: <http://www.iom.int/news/mediterranean-migrant-arrivals-2016-181476-deaths-1232> International Organization for Migration reports an estimated 181,476 migrants and refugees have entered Europe by sea in 2016, arriving in Italy, Greece, Cyprus and Spain, through April 25.

Frontex, EU states blamed for deaths caused by termination of Mare Nostrum. *By Matthew Vella. Malta Today* [Online]. 28 April 2016. Available from: http://www.maltatoday.com.mt/news/europe/64423/frontex_eu_blamed_deaths_caused_termination_mare_nostrum In cutting back State-led search and rescue (SAR) operations, EU policymakers, agencies and member states – Italy in particular – created the conditions that led to massive loss of migrant lives in the Mediterranean, including the more than 1,200 deaths caused by the 12 and 18 April 2015 shipwrecks.

Migrant crisis: UN's Ban Ki-moon condemns EU migrant curbs. *BBC News* [Online]. 28 April 2016. Available from: <http://www.bbc.co.uk/news/world-europe-36157422>  UN Secretary General Ban Ki-moon has criticised "increasingly restrictive" policies on migrants in Europe.


NAVIGATION AND COMMUNICATIONS

NOAA Coast Survey: U.S. Coast Pilot goes interactive. *US National Oceanic and Atmospheric Administration (NOAA)* [Online]. 29 March 2016. Available from: <https://noaacoastsurvey.wordpress.com/2016/03/29/u-s-coast-pilot-goes-interactive/> Breakthroughs in digital editing and publishing have allowed us to produce the U.S. Coast Pilot in a digital format called extensible markup language (XML).

Technology can enhance navigation safety. *Marine Electronics and Communications* [Online]. 31 March 2016. Available from: http://www.marinemec.com/news/view,technology-can-enhance-navigation-safety_42404.htm There are promising complementary technologies that could offer greater resilience, accuracy, integrity and availability of navigation information to mariners.

Fake Navigational Charts on the Rise, Says UKHO. *Maritime Executive* [Online]. 1 April 2016. Available from: <http://maritime-executive.com/article/fake-navigational-charts-on-the-rise-says-ukho> The United Kingdom Hydrographic Office (UKHO) has reported a rising number of counterfeit copies of charts and publications, and has issued a reminder that the use of unauthorized, unvalidated information may be unlawful and dangerous.

A Guide to Identifying Counterfeit ADMIRALTY Products.

United Kingdom Hydrographic Office [Online]. March 2016. Available from: <http://www.ukho.gov.uk/ProductsandServices/PaperPublications/Documents/Counterfeit/A%20Guide%20to%20Identifying%20Counterfeit%20ADMIRALTY%20Products.pdf>  These products have not been issued officially by or on the authority of a Government, authorised Hydrographic Office or other relevant Government institution and do not satisfy the carriage requirements of the International Convention on the Safety of Life at Sea.

Triple ecdis for paperless navigation. *Marine Electronics and Communications* [Online].

1 April 2016. Available from: http://www.marinemec.com/news/view,triple-ecdis-for-paperless-navigation_42423.htm Shipowners need to consider installing three ecdis units of the same model on bridges to ensure they always have one operating system and a back-up to meet IMO's mandatory carriage requirements.


Smart shipping enabled for Nanjing Tankers Corporation. *Inmarsat* [Online]. 14 April 2016.

Available from: <http://www.inmarsat.com/news/smart-shipping-enabled-nanjing-tankers-corporation/> Just two weeks after the launch of the service, the agreement brings always-on, next generation high-speed broadband capability worldwide to 70 ships; delivering 'smart shipping' connectivity to drive performance optimisation and a step change in crew communications and welfare for Nanjing Tanker Corporation (NTC) vessels.

U.S. Challenges Nations Wanting to Limit Navigation. *Maritime Executive* [Online].

25 April 2016. Available from: <http://www.maritime-executive.com/article/us-challenges-nations-wanting-to-limit-navigation> The U.S. military conducted "freedom of navigation" operations against 13 countries last year, including several to challenge China's claims in the South and East China seas, according to an annual Pentagon report released on Monday.

U.S. Department of Defense (DoD) Freedom of Navigation (FON) Report for Fiscal Year (FY) 2015. *US Department of Defense* [Online]. 19 April 2016. Available from:

http://policy.defense.gov/Portals/11/Documents/gsa/cwmd/FON_Report_FY15.pdf  Summary of excessive maritime claims that were challenged by DoD operational assertions and activities during the period of October 1, 2014, through September 30, 2015,

PIRACY

Update: Indonesia Tug *Brahma* 12 Freed, Kidnapped Crew Still Held Hostage.

World Maritime News [Online]. 30 March 2016. Available from: <http://worldmaritimeneeds.com/archives/187275/update-indonesia-tug-brahma-12-freed-kidnapped-crew-still-held-hostage/> The hijacked Indonesian tug *Brahma* 12 has been released and is now being held by the Philippine authorities, the Indonesian Ministry of Foreign Affairs told World Maritime News in an emailed statement.

Tanker crew freed in Nigeria. By Harry Papachristou. *TradeWinds* [Online]. 30 March 2016.

Available from: <http://www.tradewindsnews.com/piracy/390527/tanker-crew-freed-in-nigeria> Three Greeks and one Philippino seafarers from a tanker attacked by Pirates off Nigeria were freed after almost four weeks in captivity, Greek authorities announced on Wednesday.

NIMASA Confirms Hijack of Vessel, Pledges Speedy Passage of Anti-piracy Bill.

By Nosa Alekhuogie. *This Day (Nigeria)* [Online]. 4 April 2016. Available from: <http://www.thisdaylive.com/index.php/2016/04/04/nimasa-confirms-hijack-of-vessel-pledges-speedy-passage-of-anti-piracy-bill/> The Director General (DG), Nigerian Maritime and Safety Agency (NIMASA), Dakuku Peterside, has confirmed the hijack of a Liberian chemical tanker, *MT Sampatiki* with five crew members onboard at Excravos, Delta state.

The true story of piracy in Asia. By Sam Bateman. *APPS Policy Forum* [Online]. 4 April 2016. Available from: <http://www.policyforum.net/the-true-story-of-piracy-in-asia/> Superficially it looks as though Asia, and more specifically Southeast Asia, is the major global hot spot for piracy.

Pirates Kidnap Four Malaysian Crewmen. *World Maritime News* [Online]. 4 April 2016. Available from: <http://worldmaritimenews.com/archives/187617/pirates-kidnap-four-malaysian-crewmen/> Four Malaysian crew members were kidnapped by pirates on Friday, April 1st while their tug was under way around 17 nautical miles East of Pulau Sipadan, Sabah, Malaysia.

Piracy: ABC News 24 talk to Dryad COO, Ian Millen. *Dryad Maritime* [Online]. 7 April 2016. Available from: <https://www.youtube.com/watch?v=IQahFPNB6Ms> ABC News 24 recently invited Dryad Chief Operating Officer, Ian Millen to their London studio to take part in a discussion surrounding the impact of falling oil prices on piracy and fuel theft.

Pirates Take Break in SE Asia, but Busy in Gulf of Guinea. By Steven Henman. *Voice of America* [Online]. 11 April 2016. Available from: <http://www.voanews.com/content/pirates-break-southeast-asia-busy-gulf-guinea/3280786.html> A "remarkable" decline in maritime piracy in Southeast Asia has been recorded for the first quarter of this year; however, attacks have significantly escalated in the northernmost part of the tropical Atlantic Ocean, off the coast of Africa.

Piracy and armed robbery against ships in Asia: January-March 2016. *ReCAAP* [Online]. April 2016. Available from: http://www.recaap.org/DesktopModules/Bring2mind/DMX/Download.aspx?Command=Core_Download&EntryId=437&PortalId=0&TabId=78

Two Crew Kidnapped from CMA CGM Containership Off Nigeria. By Mike Schuler. *gCaptain* [Online]. 13 April 2016. Available from: <http://gcaptain.com/two-crew-kidnapped-from-cma-cgm-turquoise-off-nigeria-reports/> The ship has been identified as the Liberian-flagged *CMA CGM Turquoise*, a 4,360 TEU containership chartered by French shipping company CMA CGM.

Shippers' War Risk Insurance soars as pirates intensify attacks. By Uche Usim. *The Sun (Nigeria)* [Online]. 18 April 2016. Available from: <http://sunnewsonline.com/shippers-war-risk-insurance-soars-as-pirates-intensify-attacks/> Despite repeated assurances from the Nigerian Navy and the Nigerian Maritime Administration and Safety Agency (NIMASA) of adequate safety at sea, pirates have continued to launch sporadic attacks on ships that sail into the country, thus turning the Nigerian waters into a nightmare of some sorts.

Piracy on the high seas is on the decline, and so is the anti-piracy industry. By Cassie Werber. *Quartz* [Online]. 18 April 2016. Available from: <http://qz.com/664036/piracy-on-the-high-seas-is-on-the-decline-and-so-is-the-anti-piracy-industry/> A huge swath of the Indian Ocean was designated a high risk area by international regulators, and in it ships were—and still are—allowed to carry guards with guns to protect their crew and cargo. In most of the world's seas, that's illegal, but the threat was great enough to warrant a big exception.

Somali pirates jailed by French court for fatal hijacking. *France 24* [Online]. 14 April 2016. Available from: <http://www.france24.com/en/20160414-somali-pirates-jailed-french-court-fatal-hijacking> Seven Somali pirates were sentenced to between six and 15 years in prison by a French court on Wednesday for the hijacking of a French yacht and killing of its owner in the Gulf of Aden in 2011.

China helping to fight piracy off Africa. By Zhang Tao. *China Military Online* [Online]. 26 April 2016. Available from: http://english.chinamil.com.cn/news-channels/today-headlines/2016-04/26/content_7024243.htm China is calling upon the international community to support West African nations in combating the rising piracy and armed robbery in the Gulf of Guinea, said Liu Jieyi, China's permanent representative to the United Nations and president of the UN Security Council for the month of April.

Five seamen evade kidnapping, return to Jakarta. *Jakarta Post* [Online]. 24 April 2016. Available from: <http://www.thejakartapost.com/news/2016/04/24/five-seamen-evade-kidnapping-return-to-jakarta.html> Five Indonesian boat crew members who evaded a kidnapping attempt by a Philippine militant group arrived back in Jakarta on Saturday, after the hijack of their vessels in mid-April.

"The threat of piracy can, and must, be tackled together, through regional leadership and coordinated international support." *UK Foreign & Commonwealth Office* [Online]. 25 April 2016. Available from: <https://www.gov.uk/government/speeches/the-threat-of-piracy-can-and-must-be-tackled-together-through-regional-leadership-and-coordinated-international-support> Statement by Ambassador Peter Wilson of the UK Mission to the UN at the Security Council Meeting on Peace consolidation in West Africa.

CCTV News Interview Dryad's Ian Millen on Gulf of Guinea Piracy. *Dryad Maritime* [Online]. 25 April 2016. Available from: <http://www.dryadmaritime.com/cctv-news-interview-dryads-ian-millen-on-gulf-of-guinea-piracy/> Ahead of a UN Security Council Meeting to be held today on the subject of maritime piracy in the Gulf of Guinea, China Central Television News (CCTV News) recently visited Dryad Maritime's Portsmouth office to speak to Dryad's Chief Operating Officer, Ian Millen, about the regional trends and differences of maritime piracy, and to seek his thoughts on the conclusions he would like to see the UN arrive at.

Security Council urges stronger regional approach on eradicating piracy in Gulf of Guinea. *UN News Centre* [Online]. 25 April 2016. Available from: <http://www.un.org/apps/news/story.asp?NewsID=53779> United Nations officials today reiterated a call for a comprehensive regional framework to eradicate piracy and armed robbery at sea in the Gulf of Guinea, with the Security Council stressing the importance of addressing underlying causes and strengthening justice systems and judicial cooperation in the region.

Counter-Piracy in Southeast Asia: The Search for the *Orkim Harmony*. *Oceans Beyond Piracy / One Earth Future Foundation* [Online]. 26 April 2016. Available from: <https://www.youtube.com/watch?v=Mmz-1JbBgNE&feature=youtu.be> On June 11, *MT Orkim Harmony*, a small Malaysian flagged coastal tanker carrying a crew of 22 seafarers and a cargo of 6,000 metric tons of gasoline was hijacked just over 20 nautical miles off the coast of Malaysia.

Piracy in the Gulf of Guinea: No Justice for Seafarers. *Oceans Beyond Piracy / One Earth Future Foundation* [Online]. 26 April 2016. Available from: <https://www.youtube.com/watch?v=gV7jYKXSg5M&feature=youtu.be> While coastal states in the Gulf of Guinea have taken steps to increase their naval capacity, resulting in a few high profile arrests and a reduction in the number of hijacking for cargo theft, they have failed to establish effective systems for prosecution.

Somali Piracy: Resetting the Stage? *Oceans Beyond Piracy / One Earth Future Foundation* [Online]. 26 April 2016. Available from: https://www.youtube.com/watch?v=59_OTINuDLc&feature=youtu.be A series of attacks in 2015 may serve as an indication that the stage is being set for piracy's return off the coast of Somalia.

Violent attacks worsen in seas off West Africa despite global piracy downturn, IMB reports. *International Chamber of Commerce (ICC)* [Online]. 27 April 2016. Available from: <https://icc-ccs.org/news/1179-violent-attacks-worsen-in-seas-off-west-africa-despite-global-piracy-downturn-imb-reports> As piracy on the world's seas continues to fall, new figures from the International Chamber of Commerce (ICC) International Maritime Bureau (IMB) highlight growing violence off the coast of West Africa, where 44 seafarers have been captured so far this year.

Pirates Free Kidnapped Turkish Crew. *World Maritime News* [Online]. 27 April 2016. Available from: <http://worldmaritimenews.com/archives/190086/pirates-free-kidnapped-turkish-crew/> Six Turkish crew members of Malta-flagged tanker *MT Puli* who were kidnapped by pirates over two weeks ago while sailing off Port Harcourt, Nigeria have been released.

PORT STATE CONTROL

Resignation of Abuja MoU Secretary General threatens Port State Control. *Nigerian Tribune* [Online]. 14 April 2016. Available from: <http://tribuneonline.ng.com/resignation-of-abuja-mou-secretary-general-threatens-port-state-control> The unexpected resignation of the Secretary General of the Memorandum of Understanding (MoU) on Port State Control (PSC) for West and Central African Regions, Mrs. Mfon Ekong Usoro, is currently threatening the implementation of safety and security by PSC inspectors on foreign vessels at ports of member nations in the sub-regions.

Foreign flagged ships under detention in the UK during March 2016. *UK Maritime & Coastguard Agency* [Online]. 15 April 2016. Available from: <https://www.gov.uk/government/news/foreign-flagged-ships-under-detention-in-the-uk-during-march-2016> The Maritime and Coastguard Agency (MCA) announced today that eleven foreign flagged ships were under detention in UK ports during March 2016 after failing Port State Control (PSC) inspection.

Port State Control: Sierra Leone seeks NIMASA's aid. By Bayo Akomolafe. *New Telegraph (Nigeria)* [Online]. 27 April 2016. Available from: <http://newtelegraphonline.com/port-state-control-sierra-leone-seeks-nimasas-aid/> The Sierra-Leone Maritime Administration (SLMA) has sought the assistance of Nigerian Maritime Administration and Safety Agency (NIMASA) in the area of capacity for effective Port State Control.

PORTS AND HARBOURS

High risk, high reward? By Felicity Landon. *Port Strategy* [Online]. 26 March 2016.

Available from: <http://www.portstrategy.com/news101/Current-issue-features/high-risk,-high-reward> Difficult, uncertain, complicated – commentators use many of the words you might expect when asked about the ports sector in North Africa.

APM Terminals announces new port investment in the Kingdom of Morocco.

APM Terminals [Online]. 31 March 2016. Available from: <http://www.apmterminals.com/en/news/press-releases/2014/12/apmt-announces-new-port-investment-in-morocco> APM Terminals has been named as the operator of a new container transshipment terminal at the Tanger Med 2 port complex.

Celebrating a decade-long transformation in Abu Dhabi's maritime industry.

Abu Dhabi Ports [Online]. 30 March 2016. Available from: <http://www.adports.ae/en/news/media-centre/press-releases/celebrating-a-decade-long-transformation-in-abu-dhabis-maritime-industry.html> Abu Dhabi Ports is celebrating its tenth anniversary this year and the occasion proclaims more than the number of years of its existence.

Africa Could See New Bunkering Hot Spots as Ports Race to Become New Regional Shipping Logistics Hubs. *Ship & Bunker* [Online]. 30 March 2016. Available from:

<http://shipandbunker.com/news/emea/197119-africa-could-see-new-bunkering-hot-spots-as-ports-race-to-become-new-regional-shipping-logistics-hubs> Africa could see the emergence of a number of new bunkering hot spots, as ports across the continent vie to become new regional logistics hubs.

Port Automation: Smart, Smarter, Smartest! *World Maritime News* [Online]. 5 April 2016.

Available from: <http://worldmaritimenews.com/archives/187691/port-automation-smart-smarter-smartest/> The global container handling equipment fleet is getting smarter as port operators apply more sophisticated IT in their operations.

Port Automation: Friend or Foe? *World Maritime News* [Online]. 11 April 2016.

Available from: <http://worldmaritimenews.com/archives/188392/port-automation-friend-or-foe/> Introduction of complex navigation softwares aboard ships, giant remotely-operated cranes to handle cargo and automated equipment at ports has made navigation and cargo handling operations at ports much easier and more efficient.

Dominance of North-West European Ports Under Threat from Mediterranean: Report.

Ship & Bunker [Online]. 12 April 2016. Available from: <http://shipandbunker.com/news/emea/988793-dominance-of-north-west-european-ports-under-threat-from-mediterranean-report> A new whitepaper from Drewry Supply Chain Advisors' (Drewry) suggests the dominance of traditional gateway ports in North-West Europe could be under threat, having found that for some shippers "better" routes from China exist via Mediterranean gateway ports.

Bunkering at Port of Aden Resumes After 1 Year Suspension. *Ship & Bunker* [Online].

13 April 2016. Available from: <http://shipandbunker.com/news/emea/260113-bunkering-at-port-of-aden-resumes-after-1-year-suspension> The Yemen Gulf of Aden Ports Corporation (Gulf of Aden Ports) on Saturday announced that bunkering operations have resumed at the port after a year of suspended activities due to regional political turmoil.

APM Terminals CEO: Investment, consolidation and rationalization needed in port industry. *APM Terminals* [Online]. 14 April 2016. Available from: <http://www.apmterminals.com/en/news/press-releases/2014/12/apmt-ceo-views-in-changing-industry> Presenting the Terminal Operators' keynote address at the 18th Annual Global Liner Shipping Conference, APM Terminals CEO Kim Fejfer described the challenges facing port operators in today's volatile market and the future requirements for success.

Taking West Africa in. By Mike Mundy. *Port Strategy* [Online]. 15 April 2016. Available from: <http://www.portstrategy.com/news101/Current-issue-features/taking-west-africa-in> Its analysis takes an in-depth look at regional port and terminal developments, throughputs and Annual Trade Capacities for West Africa ports and gives profiles of the major container terminal operators in West Africa.

Know your enemy. *Port Strategy* [Online]. 15 April 2016. Available from: <http://www.portstrategy.com/news101/Current-issue-features/know-your-enemy> With shipping line alliances, trading patterns, transshipment preferences and ship sizes evolving at dizzying speed, a port's fiercest competitor is not necessarily that close.

Panama Canal Authority Books First Transits Through Expanded Canal. By Mike Schuler. *gCaptain* [Online]. 19 April 2016. Available from: <http://gcaptain.com/panama-canal-authority-books-first-transits-through-expanded-canal/> The Panama Canal Authority on Monday began taking transit reservations for Neopanamax vessels passing through the new locks of the expanded Panama Canal.

RECYCLING OF SHIPS

Guards open fire on shipbreaking workers in Bangladesh. *IndustriALL Global Union* [Online]. 1 April 2016. Available from: <http://www.industriall-union.org/guards-open-fire-on-shipbreaking-workers-in-bangladesh> Seven people, including a 16-year-old boy, were injured after guards at a shipbreaking company in Bangladesh opened fire on people protesting against the death of a worker.

Bangladesh High Court issues contempt rule asking 14 Government officials: Ministries and shipbreakers asked to account for non-compliance with 2009 judgement. *NGO Shipbreaking Platform* [Online]. 12 April 2016. Available from: <http://goo.gl/hqA8nB> The Bangladesh High Court yesterday issued a contempt rule asking 14 Government officials and the president of the Bangladesh Ship Breakers Association (BSBA) to explain why they have not implemented the Court's judgement dating March 2009.

European Union sets a global standard for sustainable ship recycling: NGOs call on shipping companies to use EU approved yards. *NGO Shipbreaking Platform* [Online]. 12 April 2016. Available from: <http://goo.gl/GisMce> Today, the European Commission (EC) publishes technical guidance for ship recycling facilities that want to be approved under the EU Ship Recycling Regulation

Requirements and procedure for inclusion of facilities located in third countries in the European List of ship recycling facilities: Technical guidance note under Regulation (EU) No 1257/2013 on ship recycling. *Official Journal of the European Union* [Online]. 12 April 2016. Available from: <http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=OJ:C:2016:128:FULL&from=EN> The purpose of this 'Technical guidance note on requirements and procedure for inclusion of facilities located in third countries in the European List of ship recycling facilities' is to clarify certain aspects of Regulation (EU) No 1257/2013 ('the Regulation'), which entered into force on 30 December 2013

REGULATIONS

Shippers' fear delays as IMO requirement takes effect. *Ghana Web* [Online]. 30 March 2016. Available from: <http://www.ghanaweb.com/GhanaHomePage/business/Shippers-fear-delays-as-IMO-requirement-takes-effect-426914> Some shippers in Kumasi have expressed worry over likely delays and added cost that may arise with implementation of the latest International Maritime Organisation (IMO) requirement to weigh and verify the weight of containers before shipment, which comes into effect on July 1 this year.

PH stakeholders press for implementing rules on IMO verified gross mass policy.

Manila Bulletin [Online]. 30 March 2016. Available from: <http://www.mb.com.ph/ph-stakeholders-press-for-implementing-rules-on-imo-verified-gross-mass-policy/>

Calls are mounting for the release of Philippine government guidelines concerning the International Maritime Organization's (IMO) policy on verified gross mass (VGM), with effectivity of the regulation less than four months away.

MSC and INTTRA enter into a new digital partnership to address SOLAS VGM requirements. *INTTRA* [Online]. 30 March 2016. Available from:

<http://www.inttra.com/pr/article/msc-and-inttra-enter-into-a-new-digital-partnership-to-address-solas-vgm-requirements> MSC, a world leader in global container shipping, and INTTRA, the world's ocean shipping electronic marketplace, are pleased to announce a new partnership which will introduce a customer-friendly solution to new container weight safety regulations.

RF Transport Ministry clarifies procedure for implementation of SOLAS Container Weight Verification Requirement. *Port News* [Online]. 1 April 2016. Available from:

<http://portnews.ru/news/217189/> According to IAA PortNews correspondent, explanations were given by the Ministry representatives to carriers and operators of terminals on March 31, 2016 at the round-table meeting arranged in Saint-Petersburg by the Union of Corporate Lawyers under the initiative of Mediterranean Shipping Company (MSC).

The disconnect with shippers in container weighing. By Marcus Hand.

Seatrade Maritime News [Online]. 6 April 2016. Available from: <http://www.seatrade-maritime.com/news/americas/the-disconnect-with-shippers-in-container-weighing.html>

Attending a briefing by INTTRA on its new e-verification system for mandatory container weighing a few weeks back was interesting for a number of reasons, but not least for the fact it highlighted the incomprehension from box shippers about global shipping regulations.

New container weight regulations have safety in mind. By Nompumelelo Magwaza.

Business Day BDLive (South Africa) [Online]. 6 April 2016. Available from:

<http://www.bdlive.co.za/national/2016/04/06/new-container-weight-regulations-have-safety-in-mind> As of July 1, cargo container forwarders will be subjected to stringent gross mass verification, which will be administered by the South African Maritime Safety Authority (Samsa), after noncompliance by some shippers.

20% of countries still haven't identified the authority to oversee new container weight verification. By Gavin van Marie. *The Loadstar* [Online]. 6 April 2016. Available from:

<http://theloadstar.co.uk/20-countries-still-havent-identified-authority-oversee-new-container-weight-verification/> A new survey of ship agents and brokers has discovered that nearly 20% of countries signed up to IMO international maritime conventions have report to say which national authority will oversee implementation of the new container weight regulations.

20/20 Vision: Ensuring a Level Playing Field - The Challenge of Regulatory Compliance. By Adrian Tolson, Senior Partner, 20|20 Marine Energy. *Ship & Bunker* [Online].

8 April 2016. Available from: <http://shipandbunker.com/news/features/2020-vision/526896-2020-vision-ensuring-a-level-playing-field-the-challenge-of-regulatory-compliance>

The newly appointed International Maritime Organisation (IMO) Secretary General, Kitack Lim has stated that the fight against climate change is the UN body's top priority; we will have to wait until the Marine Environmental Committee meeting (MEPC 69) in mid-April to ascertain how serious he is.

Pressure rises for new climate action. By Julian Bray. *TradeWinds* [Online]. 7 April 2016.

Available from: <http://www.tradewindsnews.com/weekly/391169/pressure-rises-for-new-climate-action> In just over a week, government representatives from nations worldwide will gather at the International Maritime Organization (IMO) in London for their latest attempt to set an effective framework to make substantial cuts to greenhouse-gas emissions from ships.

AgTC to make fresh call for box weighing changes. By James Baker. *Lloyd's List* [Online].

8 April 2016. Available from: <https://www.lloydslist.com/ll/sector/containers/article521893.ece>

The Agriculture Transportation Coalition will continue its attempt to reshape container weighing rules in the US when it makes representations to the congressional hearing of the Transportation and Infrastructure Committee in Washington next week.

PPA urged to lead SOLAS IRR implementation. *Manila Bulletin* [Online]. 11 April 2016.

Available from: <http://www.mb.com.ph/ppa-urged-to-lead-solas-irr-implementation/>

The Philippine Exporters Confederation (PHILEXPORT) and the Export Development Council (EDC) are calling for the immediate designation of the Philippine Ports Authority (PPA) as the government agency to draft and enforce the implementing guidelines for the International Maritime Organization's (IMO) mandate on container weighing.

US stance adds to owners' difficult choices. *Ballast Water Treatment Technology* [Online].

11 April 2016. Available from: http://www.ballastwatermanagement.co.uk/news/view.us-stance-adds-to-owners-difficult-choices_42523.htm The false start over the entry into force date of the Ballast Water Management Convention (BWMC) has only added to the confusion facing owners as they contemplate the costly decision to order and install ballast water treatment systems on their vessels.

Oakland 'Incapable' of Container Weighing. *Port Technology International* [Online].


13 April 2016. Available from:

<https://www.porttechnology.org/news/oakland-incapable-of-container-weighing>

The Oakland MTO Agreement (OAKMTOA) has stated that all three member terminals at the Port of Oakland are incapable of providing verified gross mass (VGM) weighing services that adhere to the SOLAS guidelines scheduled to go into effect on July 1, 2016.

April 14 Hearing: Maritime Transportation Safety and Stewardship Programs - Summary of Subject Matter. *US Government Transportation & Infrastructure Committee* [Online].

8 April 2016. Available from: http://transportation.house.gov/uploadedfiles/2016-04-14_-_coast_guard_ssm.pdf

On Thursday, April 14, 2016, at 10:00 a.m., in 2253 Rayburn House Office Building, the Subcommittee on Coast Guard and Maritime Transportation will hold a hearing on Maritime Transportation Safety and Stewardship Programs. [Live Streaming](#) 

A weighty issue. By Sam Chambers. *Splash 24/7* [Online]. 15 April 2016. Available from:

<http://splash247.com/a-weighty-issue/> John Butler, president and CEO of the World Shipping Council, yesterday spoke before the US House Committee on Transportation and Infrastructure outlining the issues arising from the July 1 start of new SOLAS container weighing regulations.

Joint Statement by CLECAT, ESC, ESPO and FEPORT regarding Weighing of Containers. *FEPORT (Federation of European Private Port Operators)* [Online]. 20 April 2016. Available from: <http://www.feport.eu/2014-11-18-12-05-27/news/news/247-joint-statement-by-clecat-esc-espo-and-feport-regarding-weighing-of-containers> European organisations representing Shippers, Freight Forwarders, Terminal Operators and Port Authorities call on National Authorities to take action in coordination to preserve level playing field

Most Now Think the Global Sulfur Cap in 2020 is More Likely Than Ever - But There Are Bigger Questions to be Asked: Meech. *Ship & Bunker* [Online]. 21 April 2016. Available from: <http://shipandbunker.com/news/world/738882-most-now-think-the-global-sulfur-cap-in-2020-is-more-likely-than-ever-but-there-are-bigger-questions-to-be-asked-meech> With the maritime and bunker industries eagerly awaiting a decision on whether a 0.50 percent global sulfur cap for bunkers will come into force in 2020 or 2025, Marine and Energy Consulting Limited's Robin Meech, who is also the new Chairman for the International Bunker Industry Association (IBIA), says the 2020 date is, now, the more likely of the two.

Ballast Water: Potential Discrimination on the Great Lakes. By Wendy Laursen.

Maritime Executive [Online]. 21 April 2016. Available from: <http://www.maritime-executive.com/features/ballast-water-management-discrimination-on-the-great-lakes> Stephen Brooks, President of the Chamber of Marine Commerce in Canada, believes ballast water management rules that are unachievable, impractical and discriminatory are being imposed by the U.S. EPA and the IMO on Canadian short sea ships that never leave the bi-national waters of the Great Lakes and the St. Lawrence Waterway and thus cannot introduce new aquatic invasive species.

Ferries banned from dumping toilet waste in Baltic Sea. *Phys Org* [Online]. 22 April 2016.

Available from: <http://phys.org/news/2016-04-ferries-dumping-toilet-baltic-sea.html> Ferries and ships will be banned from dumping toilet waste in the Baltic Sea, one of the world's most polluted bodies of water, the International Maritime Organization said Friday.

Allow for ballast. By Michael Grey. *Lloyd's List* [Online]. 25 April 2016. Available from:

<https://www.lloydslist.com/ll/sector/ship-operations/article522642.ece> Nobody said that sorting out the problems of ballast water was ever going to be easy.

Environmental Group Call for Regulatory Action Amid Increased Bunkering at Gibraltar.

Ship & Bunker [Online]. 26 April 2016. Available from: <http://shipandbunker.com/news/emea/374120-environmental-group-call-for-regulatory-action-amid-increased-bunkering-at-gibraltar> Verdemar-Ecologistas en Acción (Verdemar) intends to urge the European Union (EU) and Spanish authorities to take action to prevent pollution related to the growing bunkering activities east of Gibraltar, according to Spanish media reports.

New Rules on Hold. *ShipInsight* [Online]. 22 April 2016. Available from:

<https://www.shipinsight.com/new-rules-on-hold/> A large amount of the regulation that has come from the IMO, US, EU and other authorities in recent years has been connected with protection of the environment.

DP World Ready for Container Weighing Globally. By Joseph R. Fonseca.

MarineLink.Com [Online]. 21 April 2016. Available from: <http://www.marinelink.com/news/container-weighing408484.aspx> DP World is prepared for the implementation of the new International Maritime Organisation (IMO) Safety of Life at Sea (SOLAS) regulation which comes into effect on 1 July, 2016.

Data collection progress unlikely to blunt EU MRV regulation. By Gary Howard.

Lloyd's List [Online]. 28 April 2016. Available from:

<https://www.lloydslist.com/ll/sector/regulation/article523585.ece> Although the International Maritime Organization's Marine Environment Protection Committee has all but adopted a global system for mandatory collection of data on CO2 emissions from ships, Europe's regional regulation will go ahead unchanged.

SALVAGE

Update: Salvors Start Removing Containers from *TS Taipei*. *World Maritime News* [Online].


1 April 2016. Available from: <http://worldmaritimenews.com/archives/187544/update-salvors-start-removing-containers-from-ts-taipei/> A floating crane has been dispatched to the scene today of the grounded cargo ship *TS Taipei* to offload containers from the wreck, including 8 of them containing hazardous materials, according to the Taiwan's Environmental Protection Administration (EPA).

Flinterstar's Wreck to Be Hoisted This Summer. *World Maritime News* [Online].

22 April 2016. Available from: <http://worldmaritimenews.com/archives/189770/flinterstars-wreck-to-be-hoisted-this-summer/> Dutch shipping company Flinterstar III BV has signed a contract with a consortium of Belgian salvage companies to remove the wreck of its general cargo ship *Flinterstar*, which sank in October 2015 off the coast of Zeebrugge.

SEAFARERS

Human Rights at Sea delivers new publication on UN Guiding Principles on Business and Human Rights in the Maritime Environment. *Human Rights at Sea (HRAS)* [Online].

30 March 2016. Available from: <https://www.humanrightsatsea.org/human-rights-at-sea-delivers-new-publication-on-un-guiding-principles-on-business-and-human-rights-in-the-maritime-environment/> The publication covers the background to the subject, the emerging need in the maritime environment, examples and case studies, as well as suggested self-help guidance for all maritime business enterprises and their senior management. [Report](#) 

OWWA grants short term upgrading course for active seafarers. By Miriam P. Aquino.

Philippine Information Agency [Online]. 1 April 2016. Available from:

<http://news.pia.gov.ph/article/view/311459440763/owwa-grants-short-term-upgrading-course-for-active-seafarers-> The Overseas Workers Welfare Administration (OWWA) has enhanced the coverage of its training program for active sea-based workers thru its Seafarer's Upgrading Program (SUP).

People power. By Tom Leander. *Lloyd's List* [Online].

4 April 2016. Available from: <https://www.lloydslist.com/ll/sector/ship-operations/article520055.ece> Building savings and equity in a home is a serious challenge for the 400,000 commercial seafarers that Philippines contributes to shipping, or about 40% of the global total.

Southampton's Centre for Seafarers to close in three weeks. By Duncan Geddes.


Southern Daily Echo (UK) [Online]. 6 April 2016. Available from:

http://www.dailyecho.co.uk/news/14405421.Iconic_service_for_Southampton_sailors_to_close/ Thousands have found rest and support at Southampton's Centre for Seafarers over the last 130 years, but in three weeks' time its doors will close.

A New Paradigm in Crew Connectivity? By Trevor Whitworth, Senior Vice President Sales & Marketing, Globecom Asia. *Marine Electronics* [Online]. 6 April 2016. Available from: <http://www.marineelectronics.com/news/paradigm-crew-connectivity-221903> Despite some recent suggestions to the contrary, demand for crew connectivity remains a strong driver of the maritime communications market.

Seafarers Trust in Technology. By Henry Norman, ITF Seafarers' Trust Assistant Trust Administrator. *Maritime Professional* [Online]. 5 April 2016. Available from: <http://www.maritimeprofessional.com/news/seafarers-trust-technology-287641> The ITF Seafarers' Trust recently re-released an upgraded version of Shore Leave 2.0, enabling seafarers to access the internet in ports on tablet consoles.

ILO Minimum Wage for Seafarers to Stay at \$614. *International Chamber of Shipping (ICS)* [Online]. 11 April 2016. Available from: [http://www.ics-shipping.org/news/press-releases/2016/04/11/ilo-minimum-wage-for-seafarers-to-stay-at-\\$614](http://www.ics-shipping.org/news/press-releases/2016/04/11/ilo-minimum-wage-for-seafarers-to-stay-at-$614) The recommended International Labour Organization (ILO) Minimum Wage for Able Seafarers will remain at its current level of US\$ 614 basic pay per month until at least 2018.

'The ship is really a prison': crew aboard casino vessel detained in Hong Kong speak of dire living conditions, unpaid wages. By Cannix Yau. *South China Morning Post* [Online]. 9 April 2016. Available from: <http://www.scmp.com/news/hong-kong/economy/article/1934735/ship-really-prison-crew-aboard-casino-vessel-detained-hong>  Some 46 crew members working aboard a casino cruise ship are stuck in limbo as its mysterious owner has failed to pay wages as the vessel is detained in Hong Kong waters.

Women seafarers talk about their issues in Tonga meeting. *Nuku'Alofa Times (Tonga)* [Online]. 12 April 2016. Available from: <http://nukualofatimes.tbu.to/?p=3127> Regional participants from 15 countries from the region, have joined their counterparts here in Tonga at the week-long Pacific Women in Maritime at the Faonelua Convention Centre here in Nuku'alofa this week.

Turkish crew taken hostage off Nigeria. By Sam Chambers. *Splash 24/7* [Online]. 12 April 2016. Available from: <http://splash247.com/turkish-crew-taken-hostage-off-nigeria/> Six Turkish crewmembers working on the *Puli* chemical tanker were kidnapped by pirates off the coast of Nigeria on Monday.

Windstar Cruises names first-ever female captain. By Rebecca Gibson. *Cruise and Ferry* [Online]. 29 March 2016. Available from: http://www.cruiseandferry.net/articles/windstar-cruises-names-first-ever-female-captain#.Vw0ca_krKCg Windstar Cruises has named 39-year-old British citizen Belinda Bennett as its first female and first black captain.

The HRAS Interview: Robert Robinson North of England P&I Club – Seafarers Isolated Despite Greater Connectivity. *Human Rights at Sea (HRAS)* [Online]. 11 April 2016. Available from: <https://thehrasinterview.wordpress.com/2016/04/11/the-hras-interview-robert-robinson-north-of-england-pi-club/> Separation from family and friends might cause seafarers to feel isolated, but this is not the only form of isolation they can encounter.

MPHRP visit at *Maximus* ship's crew home. *Maritime Piracy Humanitarian Response Programme (MPHRP)* [Online]. 12 April 2016. Available from: http://www.mphrp.org/news_details/index.php?NewsID=251 *MT Maximus* was attacked off Ivory Coast on 11th February.

Interview with Duckdalben: What Makes a Great Seafarers' Centre? *Seafarers' Trust*

[Online]. 14 April 2016. Available from: <http://www.seafarerstrust.org/interview-with-duckdalben-what-makes-a-great-seafarers-centre/> Out of approximately 430 seafarer centres located worldwide, Duckdalben International Seamen's Club, located in the Port of Hamburg, stands out as one of the best.

Overweight sailors: a 21st century problem. By Andrew Craig-Bennett. *Splash 24/7*

[Online]. 21 April 2016. Available from: <http://splash247.com/overweight-sailors-a-21st-century-problem/> I'm going to raise a rather small problem, when compared to the state of the markets, but a steadily growing one.

Shortlist for International Seafarers' Welfare Awards Announced.

International Seafarers' Welfare and Assistance Network (ISWAN) [Online]. 21 April 2016.

Available from: <http://seafarerswelfare.org/news-and-media/latest-news/shortlist-for-international-seafarer-welfare-awards-announced> The Awards ceremony will take place on 24th June at The Manila Hotel in the Philippines.

Female sailors decry assault, stress, aboard ships. *Pulse.Ng (Nigeria)* [Online].

25 April 2016. Available from: <http://pulse.ng/local/sexual-harassment-female-sailors-decry-assault-stress-aboard-ships-id4955250.html> No fewer than 18 per cent of women seafarers globally decried sexual harassment, stress, anxiety and headaches on board ships.

Seafarers - Are you happy in your work? By Michael Grey. *Seatrade Maritime News*

[Online]. 26 April 2016. Available from: <http://www.seatrade-maritime.com/news/americas/seafarers-are-you-happy-in-your-work.html> This is not a moan from the past, from somebody who recalls the so-called "golden age" of seafaring, before containerisation, mega-ships and the identification of seagoing labour as a commodity.

Global unions call on EU for action to protect seafood industry workers.

International Transport Workers' Federation [Online]. 26 April 2016. Available from: <http://www.itfglobal.org/en/news-events/press-releases/2016/april/global-unions-call-on-eu-for-action-to-protect-seafood-industry-workers/> The meet will coincide with the Brussels Seafood Expo Global, which brings together more than 2000 fish and aquaculture companies.

Human Rights at Sea expands its global flagship 'Missing Seafarers & Fishers Reporting Programme'. *Human Rights at Sea (HRAS)* [Online]. 28 April 2016. Available from:

<https://www.humanrightsatsea.org/human-rights-at-sea-expands-its-global-flagship-missing-seafarers-fishers-reporting-programme/> The updated and re-titled 'Missing Seafarers and Fishers Reporting Programme' is a reflection of the increasing scope of the Human Rights at Sea charity's flagship programme established in January 2014 originally focused on missing seafarers.

SEARCH AND RESCUE

Thailand disrupts attempts to launch migrant rescue ship operation. By Oliver Holmes.

The Guardian [Online]. 14 April 2016. Available from:

<http://www.theguardian.com/world/2016/apr/14/thailand-blocks-migrant-rescue-ships-operations-in-andaman-sea> A privately funded ship that had travelled to south-east Asia to save drowning migrants at sea has abandoned its mission after Thailand prevented the transfer of key equipment from reaching the ship, the charity's founder has told the Guardian.

IMRF Launches 'H.E.R.O.' – Global Maritime SAR Awards. *International Maritime Rescue Federation* [Online]. 14 April 2016. Available from:

<http://www.international-maritime-rescue.org/10-news/1971-imrf-launches-h-e-r-o-global-maritime-sar-awards> The International Maritime Rescue Federation (IMRF) is delighted to announce the launch of the Honouring Excellence in Rescue Operations Awards, the H.E.R.O. Awards, which will recognise outstanding services to global maritime search and rescue.


MOAS ends sea mission in South East Asia, will continue using their ground network and advocacy in the region. *Migrant Offshore Aid Station (MOAS)* [Online]. 15 April 2016.

Available from: <https://www.moas.eu/category/press/> Search and rescue charity Migrant Offshore Aid Station (MOAS) has received the Special 112 Award by the European Emergency Number Association (EENA) for its work and outstanding achievements in preventing loss of life at sea.

Arctic Cruise Industry and Rescuers Participate In Joint Search and Rescue Exercise.

Arctic Journal [Online]. 17 April 2016. Available from: <http://www.thearcticjournal.com/press-releases/2283/arctic-cruise-industry-and-rescuers-participate-joint-search-and-rescue-exercise> Drifting towards the shore, the ship hits a rock and begins taking on water, then settles on the seabed and is in danger of capsizing.

Volunteer Maritime Rescuers: Awareness of Criminalisation. *Human Rights at Sea (HRAS)* [Online]. 19 April 2016. Available from:

<https://humanrightsatsea-news.org/2016/04/19/new-volunteer-maritime-rescuers-awareness-of-criminalisation-publication/> The independent maritime human rights charity, Human Rights at Sea, today publishes new independent guidance for volunteer maritime rescuers for their awareness of the potential risks of criminalisation when planning for and facilitating rescues at sea. [Guidance Document: Volunteer Maritime Rescuers: Awareness of Criminalisation](#) 

MSF resumes Search and Rescue activities in the central Mediterranean.

Médecins Sans Frontières (MSF) [Online]. 24 April 2016. Available from:

<http://www.msf.org/article/msf-resumes-search-and-rescue-activities-central-mediterranean> Médecins Sans Frontières (MSF) has resumed search, rescue and medical aid operations in the central Mediterranean Sea, between Africa and Europe, and conducted its first operation of 2016.

Search and rescue operation a collective responsibility – NIMASA DG. *PM News (Nigeria)* [Online]. 21 April 2016. Available from:

<http://www.pmnewsnigeria.com/2016/04/21/search-and-rescue-operation-a-collective-responsibility-nimasa-dg/> The Director General of the Nigerian Maritime Administration and Safety Agency (NIMASA), Dr. Dakuku Peterside has said that Search and Rescue (SAR) operation is a collective responsibility in the West and Central Africa Region and the entire global maritime scene.

NIMASA: Burden of search and rescue. By Bayo Akomolafe. *New Telegraph (Nigeria)* [Online]. 27 April 2016. Available from: <http://newtelegraphonline.com/nimasa-burden-search-rescue/> Worried by the tempo of boat mishaps, the Nigerian Maritime Administration and Safety Agency (NIMASA) collaborated with an international body, International Maritime Rescue Federation (IMRF), to reduce the incessant accidents on the country waters.

SHIPBUILDING AND SHIPREPAIR

DNV GL welcomes *Lindanger* to fleet - world's first methanol fuelled ocean-going vessel. By Simon David Adams. *DNV GL* [Online]. 21 April 2016. Available from: <https://www.dnvgl.com/news/dnv-gl-welcomes-lindanger-to-fleet-world-s-first-methanol-fuelled-ocean-going-vessel-63157> Launched at the Hyundai Mipo dockyard in Ulsan, South Korea, the *Lindanger* is owned by Norwegian firm Westfal-Larsen.

SHIPPING


Shipping industry to witness "seismic" shift from new Panama Canal. *Hellenic Shipping News* [Online]. 29 March 2016. Available from: <http://www.hellenicshippingnews.com/shipping-industry-to-witness-seismic-shift-from-new-panama-canal/> By the end of the summer, shipping will have come to grips with the meaning of the new, bigger Panama Canal, as the project is bound to become operational in a few months' time.

UK to lead Gulf Maritime Force. *UK Ministry of Defence* [Online]. 29 March 2016. Available from: <https://www.gov.uk/government/news/uk-to-lead-gulf-maritime-force> Speaking during a visit to Qatar today, Michael Fallon announced that from April, the UK will lead the Combined Task Force (CTF150), which covers two million square miles, including the Red Sea, Gulf of Aden, Indian Ocean and Gulf of Oman - an area that is a vital artery of world trade.

IMarEST welcomes its first female president, Jane Smallman CSci CMarSci FIMarEST. *Institute of Marine Engineering, Science and Technology (IMarEST)* [Online]. 29 March 2016. Available from: <http://www.imarest.org/policy-news/newsroom-press/item/2258-imarest-welcomes-its-first-female-president-jane-smallman-csci-cmarsci-fimarest> 🇬🇧 Jane Smallman was appointed 114th President of the Institute of Marine Engineering, Science and Technology (IMarEST) at its 127th Annual General Meeting on Friday 18th March 2016. Jane is the first woman to hold the position in the Institute's 127-year history.

Singapore moves closer to mass flow meter bunkering. By Lee Hong Liang. *Seatrade Maritime News* [Online]. 30 March 2016. Available from: <http://www.seatrade-maritime.com/news/asia/singapore-moves-closer-to-mass-flow-meter-bunkering.html> The impending compulsory use of mass flow meters (MFM) to carry out bunker deliveries in Singapore port has made positive progress, attested by the launch of a technical reference standard in mid-February this year, way ahead of the 1 January 2017 enforcement date.

Report: Polar Code – an opportunity for Finland's Arctic expertise. *Government of Finland* [Online]. 24 March 2016. Available from: <http://goo.gl/6ot1vN> The safety and environmental criteria of the Polar Code will come into effect on 1 January 2017, and the crew qualification and training requirements related to the Code probably on 1 July 2018.

Republic of the Marshall Islands Maintains Qualitative Edge. *Marshall Islands Registry* [Online]. 29 March 2016. Available from: <https://goo.gl/15QLdF>  The Republic of the Marshall Islands (RMI) received preliminary information regarding the United States Coast Guard's (USCG's) Qualship 21 list during Intertanko's North American Panel meeting.


A new shipping blog: out of unease. By Olaf Merk. *Shipping Today* [Online]. 31 March 2016. Available from: <http://shippingtoday.eu/a-new-shipping-blog-out-of-unease/> There are hundred reasons why people start blogs; mine is unease.

Shippers' bleeding hearts. By Michael Grey. *Lloyd's List* [Online]. 4 April 2016. Available from: <https://www.lloydslist.com/ll/sector/containers/article520704.ece> It is just as well, in my line of work, that words rarely fail me, but the crocodile tears being shed about the plight of shippers faced with having to weigh containers, prior to their shipment, had exactly that effect.

European Commission invests over €7.5 million for sustainable growth and jobs in the marine and maritime sectors. *European Commission* [Online]. 5 April 2016. Available from: http://europa.eu/rapid/press-release_IP-16-1228_en.htm The money is available under the European Maritime and Fisheries Fund and divided in calls for proposal focusing on the key areas where the European Union can have the biggest impact: skills, creativity and technology.

Ship efficiency standards too weak to drive improvements – study.

Transport & Environment [Online]. 4 April 2016. Available from: <https://www.transportenvironment.org/press/ship-efficiency-standards-too-weak-drive-improvements-%E2%80%93-study> Shipping's only legally binding climate measure is not stimulating the uptake of new technologies or driving efficiency improvements, according to a new independent study.

Historical trends in ship design efficiency. By Jasper Faber, Maarten 't Hoen, Robert Vergeer, and John Calleya. *CE Delft* [Online]. March 2016. Available from: http://www.cedelft.eu/publicatie/historical_trends_in_ship_design_efficiency/1761 There is a growing interest in the fuel efficiency of ships because of fuel prices, climate change and energy security issues. [Historical trends in ship design efficiency: The impact of hull form on efficiency](#) 

Drewry questions viability of ultra-large container vessels, as carriers focus on cost-cutting. By Mike Wackett. *The Loadstar* [Online]. 4 April 2016. Available from: <http://theloadstar.co.uk/drewry-questions-viability-ultra-large-container-vessels-carriers-focus-cost-cutting/> If losses continue and ocean carriers persist in focusing only on reducing costs rather than improving revenue per teu, the container liner industry "could get very ugly" in the second half of the year, said Drewry today.

UNCTAD launches novel Maritime Country Profiles. *United Nations Conference on Trade and Development (UNCTAD)* [Online]. 1 April 2016. Available from: http://unctad.org/en/pages/newsdetails.aspx?OriginalVersionID=1228&Sitemap_x0020_Taxonomy=UNCTAD%20Home:#561 Throughout most of history, "maritime nations" had their own national fleets, which were built, owned, operated, and manned by nationals of the same country whose flag the ship flew.

The Panama Papers: part one. By Andrew Craig-Bennett. *Splash 24/7* [Online]. 6 April 2016. Available from: <http://splash247.com/the-panama-papers-part-one/> There was a time, the legendary Jim Davis of the IMIF, whose memory goes back to his joining the P&O in the 1940s, at a time when it had a ship for every day of the year and no two of them alike, there was a time, I say, when 'flags of convenience' were not considered to be quite the proper thing.

Maritime data will now be made publicly available. *Danish Maritime Authority* [Online].

5 April 2016. Available from:

<http://www.dma.dk/news/Sider/Maritimedatawillnowbemadepubliclyavailable.aspx>

Today, parts of the Danish Maritime Authority's maritime data will be made available (in Danish) to the general public through the Authority's webpage.

Forwarders concerned over container weighing rules. By **Stuart Todd.** *Lloyd's List*

[Online]. 4 April 2016. Available from:

<https://www.lloydslist.com/ll/sector/containers/article521164.ece> Major freight forwarder has warned of a possible last-minute rush to buy certified container-weighing equipment as the introduction of new container-weighing rules draws closer, and a senior forwarding representative has also said forwarders are not yet ready for the changes.

Meech: New IBIA Chairman Talks Better Bunker Practices, Ethics, Enforcement of Bunker Regs, Membership Growth. *Ship & Bunker* [Online]. 7 April 2016. Available from:

<http://shipandbunker.com/news/world/538119-meech-new-ibia-chairman-talks-better-bunker-practices-ethics-enforcement-of-bunker-regs-membership-growth>

Improved global bunkering practices, the fair enforcement of bunker regulations, and growing its membership are some of the key areas of focus for the International Bunker Industry Association (IBIA) this coming year, IBIA's new Chairman Robin Meech has told Ship & Bunker.

The Panama Papers: part two. By **Andrew Craig-Bennett.** *Splash 24/7* [Online].

7 April 2016. Available from: <http://splash247.com/the-panama-papers-part-two/>

Because there are an awful lot more names to come, including perhaps two thirds of the shipowners and two thirds of the charterers, as well as most of the world's remaining politicians.

Recognising Women's Contribution to Pacific Maritime Sector. *Nuku'Alofa Times (Tonga)*

[Online]. 6 April 2016. Available from: <http://nukualofatimes.tbu.to/?p=3044> To appreciate the importance of Pacific women in the maritime sector, representatives of Pacific Island countries and territories and development partners will gather next week in Nuku'alofa, Tonga, for a five-day conference with the theme "recognising the economic contribution and leadership of women in the Pacific maritime sector".

Shipping industry panic over container weight deadline. By **Russell Green.** *Bangkok Post*

[Online]. 6 April 2016. Available from:

<http://www.bangkokpost.com/business/news/923281/shipping-industry-panic-over-container-weight-deadline>

There is a sense of mild panic in the global shipping industry ahead of a new law of the sea that will mean that nearly every ocean-going container will have to be weighed and certified before being loaded on to a ship.

BIMCO and GIIGNL publish a groundbreaking voyage charter party for LNG trade.

Baltic and International Maritime Council (BIMCO) [Online]. 6 April 2016. Available from:

https://www.bimco.org/News/2016/04/06_LNGVOY_launched.aspx BIMCO and the International Group of Liquefied Natural Gas Importers (GIIGNL) have today jointly issued the first definitive voyage charter party - LNGVOY - designed for the expanding LNG spot market.

The Panama Papers: part three. By **Andrew Craig-Bennett.** *Splash 24/7* [Online].

8 April 2016. Available from: <http://splash247.com/the-panama-papers-part-three/>

There are plenty of rumours about shipowning companies, even very high profile ones, with alleged links to organised crime and to reprehensible regimes, but they are no more than rumours, because everyone in this industry is so busy covering their tracks that nobody can prove or disprove the rumours.

ITF Calls Out Flags of Convenience Amid Panama Papers Leak. *gCaptain* [Online].

7 April 2016. Available from: <https://gcaptain.com/itf-calls-out-flags-of-convenience-amid-panama-papers-leak/> With the leaked Panama Papers shining a spotlight on the use offshore accounts to hide investments by of some the world's most powerful people, the International Transport Workers' Federation is using the exposure to call out foreign flags of convenience as a prime example of the sort of tax avoidance activity that seems to fly under the radar with tacit approval.

Greek shipping minister attacks Chinese takeover of Piraeus port, claims deal not certain. *By Sam Chambers. Splash 24/7* [Online]. 11 April 2016. Available from:

<http://splash247.com/greek-shipping-minister-attacks-chinese-takeover-of-piraeus-port-claims-deal-not-certain/> The contentious move to privatise Greece's largest port, Piraeus, as part of drastic efforts to right the finances of the Mediterranean nation, brought open discord within the government today, with shipping minister Theodoros Dritsas saying he was against the sell off to China Cosco Shipping, and even suggesting the deal could yet fall through.

One crore jobs in shipping, ports under Sagarmala: Govt. *The Statesman (India)* [Online].

9 April 2016. Available from: <http://www.thestatesman.com/news/business/one-crore-jobs-in-shipping-ports-under-sagarmala-govt/135384.html> At least one crore jobs will be created under the government's ambitious Sagarmala project in the next four to five years, Road Transport, Highways and Shipping Minister Nitin Gadkari said on Saturday.

Green Award Lists Cleanest Ships - And Saves Costs. *By Paul Beneckier.*

Maritime Executive [Online]. 8 April 2016. Available from: <http://maritime-executive.com/features/green-audit-program-recognizes-cleanest-ships-and-saves-costs1>

As international environmental regulations advance, with new rules covering ballast water and sulfur emissions coming up soon (and calls in some quarters for regulation of CO2 emissions), some shipowners are looking to lead the way and get out in front of future requirements.

Nailing reputation to the mast. *By Michael Grey. Lloyd's List* [Online]. 11 April 2016.

Available from: <https://www.lloydslist.com/ll/news/commentary/article521381.ece> Flags speak volumes about the ships that wear them and it is worthwhile to fly something that represents quality.

Size isn't everything. *By James Baker. Lloyd's List* [Online]. 11 April 2016. Available from:

<https://www.lloydslist.com/ll/sector/containers/article521419.ece?src=SearchAlert> The past 10 years has seen a doubling of the size of vessels on the water as lines have entered an arms race to own and operate the biggest beasts on the seas.

Marine industry looks to cruise ships, wind farms to weather oil slump.

By Aradhana Aravindan and Keith Wallis. Reuters [Online]. 12 April 2016. Available from:

<http://uk.reuters.com/article/oil-services-opportunity-idUKL3N16M1L3> Marine and offshore engineering companies are turning to cruise ships, fishing vessels or even sea-based wind farms to keep their earnings afloat as weak oil prices slash new spending by big energy companies.

Honouring Spanish Maritime Traditions. *All About Shipping* [Online]. 11 April 2016.

Available from: <http://www.allaboutshipping.co.uk/2016/04/11/honouring-spanish-maritime-traditions/> Capt. Antonio M. Padrón y Santiago, "IMO Maritime Ambassador" and Maritime Authority of Tenerife, attended the traditional reception on board the Juan Sebastian de Elcano, Training Ship of the Spanish Navy during her call in Tenerife.

Maritime India Summit to be a Game Changer in Development of India's Coastal and Port Infrastructure. *Government of India* [Online]. 11 April 2016. Available from:

<http://pib.nic.in/newsite/PrintRelease.aspx?relid=138768> The objective of the three-day Summit from 14th to 16th April 2016 is to attract potential investors to the vast opportunities that the various components of the Maritime Sector have on offer 40 countries in addition to India with Republic of Korea as the partner country will participate in the Summit.

Maersk signals way forward on ITF agreements on charters.

International Transport Workers' Federation [Online]. 11 April 2016. Available from:

<http://www.itfglobal.org/en/news-events/press-releases/2016/april/maersk-signals-way-forward-on-itf-agreements-on-charters/> Shipping giant Maersk has agreed that it will ensure that any vessel it charters has an ITF (International Transport Workers' Federation) or similar agreement – which puts in place protections for crews on flag of convenience ships – covering it.

WISTA at Crans Montana African Forum. *Women's International Shipping and Trading Association (WISTA)* [Online]. 11 April 2016. Available from:

http://www.wista.net/en/news/news/news_id,2409/wista-at-crans-montana-african-forum

The Crans Montana African Forum took place on a ship which sailed from Dakhla to Casablanca from 20-22 March, 2016

Class societies: Going for gold. By Robert Ashdown, IACS. *Lloyd's List* [Online].

13 April 2016. Available from: <https://www.loydslist.com/ll/sector/safety/article522243.ece>

Appointed as its first secretary-general, Robert Ashdown is on a mission to raise the profile and understanding of IACS.

ICS Representing Shipowner Interests at Critical IMO Marine Environment Protection Committee (MEPC) Meeting. *International Chamber of Shipping (ICS)* [Online]. 14 April 2016. Available from: <http://goo.gl/UHEZct> The International Chamber of Shipping (ICS) has made a number of submissions to a critical meeting of the IMO Marine Environment Committee (MEPC) which begins in London next week (18-22 April).

European shipowners call upon EU Member States to support global CO2 agenda for shipping. *European Community Shipowners' Associations (ECSA)* [Online]. 14 April 2016. Available from: <http://www.ecsa.eu/9-latest-news/249-european-shipowners-call-upon-eu-member-states-to-support-global-co2-agenda-for-shipping> EU Transport and Environment Ministers meet 14-15 April in Amsterdam for an informal joint Council meeting under the Dutch EU Presidency.

IWSA: Shipping Industry "Behind the Curve" in Utilising Renewable Energy Solutions.

Ship & Bunker [Online]. 14 April 2016. Available from:

<http://shipandbunker.com/news/world/195774-iwsa-shipping-industry-behind-the-curve-in-utilising-renewable-energy-solutions> Gavin Allwright secretary general for the International Windship Association (IWSA) Wednesday said that the shipping industry is "behind the curve" in utilising renewable energy solutions, adding that the installation of wind technology devices on commercial ships can provide "significant" fuel and emission saving opportunities.

Greek shipowners turn away from registering ships in Greece in favour of Malta.

By Holly Birkett. *Splash 24/7* [Online]. 14 April 2016. Available from:

<http://splash247.com/greek-shipowners-turn-away-from-registering-ships-in-greece-in-favour-of-malta/> Greek shipowners continue to flag the majority of their vessels in Greece and Liberia, but are increasingly favouring the Maltese flag instead of their own, according to figures from the Greek Shipping Co-operation Committee (GSCC).

Making Northern Sea Route More Attractive to Shipping Companies. *World Maritime News* [Online]. 14 April 2016. Available from: <http://worldmaritimenews.com/archives/188842/making-northern-sea-route-more-attractive-to-shipping-companies/> GAC Russia has teamed up with the Far East Development Fund to address the challenges faced by international shipping companies transiting the Northern Sea Route (NSR), with the aim of making this transport corridor more attractive to ship and cargo owners.

PM Narendra Modi salutes India's maritime heritage. *Times of India* [Online]. 14 April 2016. Available from: <http://economictimes.indiatimes.com/news/politics-and-nation/pm-narendra-modi-salutes-indias-maritime-heritage/articleshow/51825567.cms> Prime Minister Narendra Modi on Thursday recalled India's rich maritime heritage, dating back to the world's first dock built at Lothal in Gujarat around 2,500 BC.

Make in India, train in India. By Craig Eason. *Lloyd's List* [Online]. 14 April 2016. Available from: <https://www.lloydslist.com/ll/sector/manning/article521398.ece> While India's government wants to use its energetic youth to help make the country a global manufacturing hub, it still needs to keep its seafaring ambitions alive.

Aronnax: How do countries support the advancement of innovation? They push for rule change. By Craig Eason. *Lloyd's List* [Online]. 15 April 2016. Available from: <https://www.lloydslist.com/ll/sector/ship-operations/article522393.ece> It may be not a surprise to read that countries and regions that have strong technology-research capabilities tend to have higher levels of new patents.

Why global governance is making the EU irrelevant. By Christopher Booker. *The Telegraph* [Online]. 16 April 2016. Available from: <http://www.telegraph.co.uk/opinion/2016/04/16/global-governance-is-making-the-eu-irrelevant/> Scarcely a sentence in that creepy Government leaflet telling us to vote to stay in the EU does not cry out for factual correction.

The *Titanic*: New Vessels and Persistent Myths. By Wendy Laursen. *Maritime Executive* [Online]. 15 April 2016. Available from: <http://maritime-executive.com/features/the-titanic-new-vessels-and-persistent-myths> ☞ The *Titanic* struck an iceberg and sank on its maiden voyage on April 15, 1912, killing 1503 people.

NIMASA seeks stakeholders' help to fight piracy, partners Singapore on infrastructure. By Moses Ebosele. *Guardian (Nigeria)* [Online]. 19 April 2016. Available from: <http://guardian.ng/news/nimasa-seeks-stakeholders-help-to-fight-piracy-partners-singapore-on-infrastructure/> The NIMASA DG, who yesterday lamented that the activities of pirates stifle shipping and by extension commerce, which is the major driver of global economy, further observed, "It is because of the priority attention given to tackling piracy that America created the coast guard, which has so far proved effective in tackling piracy."

Economies of scale; a defunct shipping model? By Olaf Merk. *Shipping Today* [Online]. 16 April 2016. Available from: <http://shippingtoday.eu/economies-scale-defunct-shipping-model/> This paradigm of always bigger has three elements: mega-ships, mega-carriers and mega-ports.

Repairing reputations. By James Baker. *Lloyd's List* [Online]. 18 April 2016. Available from: <https://www.lloydslist.com/ll/sector/containers/article522637.ece> Singapore Maritime Week got down to business on Monday with the 10th annual Singapore Maritime Lecture, presented by Siem Industries chairman Kristian Siem.

Indonesia pushes for stronger regulation on marine pollution. By Ayomi Amindoni.

Jakarta Post [Online]. 20 April 2016. Available from:

<http://www.thejakartapost.com/news/2016/04/20/indonesia-pushes-for-stronger-regulation-on-marine-pollution.html> President Joko "Jokowi" Widodo stressed the importance of marine sustainability and called for better and comprehensive international regulations to address marine pollution on Tuesday.

China charting a new course. By Peng Yining. China Daily.Com [Online]. 20 April 2016.

Available from: http://www.chinadaily.com.cn/china/2016-04/20/content_24679000.htm

China announced plans on Tuesday to help ships under its flag navigate the Arctic via a Northwest Passage route that will be 30 percent shorter than the ocean passages traditionally used to connect the northern Atlantic and Pacific oceans through the Panama Canal.

Singapore Hosts Inaugural Maritime Administrators' Forum.

Maritime and Port Authority of Singapore (MPA) [Online]. 19 April 2016. Available from:

<http://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/f0bcc925-dabe-4ccd-a6a2-b85b1bbd1f7e> In support of the International Maritime Organization (IMO) 2016 World Maritime Day theme, "Shipping: Indispensable to the World", the Maritime and Port Authority of Singapore (MPA) organised the inaugural Maritime Administrators' Forum – a first-of-its kind in Singapore to underscore the importance of shipping and the vital role it plays in sustaining today's global society.

CO2 emissions for every ship for every hour, now that's big data! UCL Energy Institute

[Online]. 19 April 2016. Available from: <http://www.bartlett.ucl.ac.uk/energy/news/interactive-shipping-map> Researchers at UCL Energy Institute use the methodology they developed for the Third IMO GHG Study 2014 and AIS data to estimate emissions from five different ship types and display this in a new interactive map that plots 250 million data points to show the movements of the world's commercial shipping fleet over the course of the year 2012.

[Interactive Shipping Map](#)

Cheap oil slows appetite for LNG as alternative shipping fuel. By Jonathan Saul and Nina Chestney.

Reuters [Online]. 18 April 2016. Available from: <http://uk.reuters.com/article/lng-shipping-fuel-idUKL5N17G3J3> Low oil prices are denting the take-up of liquefied natural gas as a cleaner source of energy to power ships, and it will be a few more years yet before the fuel makes serious inroads into the marine bunker market.


RRS Ernest Shackleton to accompany Crystal's Northwest Passage voyage.

By Rebecca Gibson. *Cruise and Ferry* [Online]. 18 April 2016. Available from:

<http://www.cruiseandferry.net/articles/rrs-ernest-shackleton-to-accompany-crystals-northwest-passage-voyage#.VxebxvkrKCg> An icebreaker from the Tactical Marine Solutions of Victoria, Canada and British Antarctic Survey (BAS) is to escort Crystal Cruises' *Crystal Serenity* on her 32-day expedition through the Northwest Passage this August.

Member States are called upon to create a Short Sea Shipping friendly framework.

European Community Shipowners' Associations (ECSA) [Online]. 21 April 2016. Available from:


<http://www.ecsa.eu/9-latest-news/250-member-states-are-called-upon-to-create-a-short-sea-shipping-friendly-framework> European shipowners hope that the momentum created by the Dutch Presidency's High Level Event on Short Sea Shipping held in Amsterdam last February will result in maritime directors putting Short Sea Shipping on the top priority list when they meet today in Brussels. [ECSA Brochure: Short Sea Shipping](#) 

Italy Approves e-NPs and ADP as SOLAS-Compliant. *Hellenic Shipping News* [Online]. 21 April 2016. Available from: <http://www.hellenicshippingnews.com/italy-approves-e-nps-and-adp-as-solas-compliant/> The United Kingdom Hydrographic Office (UKHO) has announced that Italy now approves the use of e-Nautical Publications (e-NPs) and ADMIRALTY Digital Publications (ADP) in place of paper equivalents.

UK maritime bosses warn of Brexit risks. By Janet Porter. *Lloyd's List* [Online]. 22 April 2016. Available from: <https://www.lloydslist.com/ll/sector/regulation/article523176.ece> London's position as a leading professional services centre for shipowners will be weakened if Britain leaves EU, say industry leaders.

Pact inked with shipping classification bodies. *Oman Daily Observer* [Online]. 25 April 2016. Available from: <http://omanobserver.om/pact-inked-with-shipping-classification-bodies/> The Ministry of Transport and Communications, represented by the Directorate General of Maritime Affairs, signed at the ministry on Monday several agreements with six bodies of ship classification and supervision.

The UK maintains leading maritime business services role despite competition from overseas. *City of London* [Online]. 22 April 2016. Available from: <http://goo.gl/3sJJ85> The UK holds a world leading position in maritime business services for insurance, shipbroking, legal services and education which means the sector as a whole now contributes £4.4 billion to the economy annually and employs over 10,000 people.

China MSA attends Maritime India Summit 2016. *Maritime Safety Administration (China)* [Online]. 22 April 2016. Available from: <http://en.msa.gov.cn/index.php?m=content&c=index&a=show&catid=343&id=183> Maritime India Summit 2016 (MIS 2016) was organized from April 14-16, 2016 at Mumbai, India. Li Qingping, deputy head of the Maritime Safety Administration of the People's Republic of China (China MSA) attended the meeting and delivered a speech. [Implementation Plan on Domestic Emission Control](#) 

Will chemical owners remain passive on IGG selection? By Stein Lovskar, Commercial Development Manager, Wilhemsen Technical Solutions. *Tanker Shipping & Trade* [Online]. 21 April 2016. Available from: http://www.tankershipping.com/news/view,will-chemical-owners-remain-passive-on-igg-selection_42677.htm Amendments to the International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (IBC Code) adopted by IMO require all chemical tankers of 8,000 dwt and above, built after January 2016, to fit a nitrogen-based inert gas system.

Shipping: The business of an industry. By Paul Slater. *Splash 24/7* [Online]. 27 April 2016. Available from: <http://splash247.com/shipping-the-business-of-an-industry/> The shipping industry is a collection of thousands of businesses operating around the world carrying a huge variety of cargoes across the oceans and in the seas and rivers that separate the land masses where populations live.

CO2 footprint of maritime vessels to be recorded worldwide. *German Shipowners' Association (Verband Deutscher Reeder, VDR)* [Online]. 26 April 2016. Available from: <http://www.reederverband.de/en/press/press-release/artikel/co2-fussabdruck-von-seeschiffen-soll-weltweit-erfasst-werden.html> The German Shipowners' Association (VDR) endorses the resolution adopted by the International Maritime Organization (IMO) to make it mandatory in future for all vessels to record their CO2 emissions.

ClassNK releases "Guidelines for Gas Fuelled Ships ver.4". *ClassNK* [Online].

26 April 2016. Available from:

http://www.classnk.or.jp/hp/en/hp_news.aspx?id=1903&type=press_release&layout=1

With the introduction of increasingly strict environmental regulations, the industry is now turning toward the use of cleaner fuels such as LNG and more recently other low flashpoint fuels such as methanol to curb their NO_x, SO_x, and PM emissions.

ABS Releases New Condition Monitoring Guidance. *ABS (American Bureau of Shipping)* [Online]. 25 April 2016. Available from: <http://ww2.eagle.org/en/news/press-room/2016/ABS-Releases-New-Condition-Monitoring-Guidance.html> Guidance Notes and Guide provide information for choosing monitoring techniques and insights for achieving classification.


Russia developing plan to certify scales for container weighing. *Port News* [Online].

27 April 2016. Available from: <http://portnews.ru/digest/17198/> Russia is developing a plan to certify container weighing scales so exporters can meet the International Maritime Organization's verified gross mass rule with less than 70 days before it takes effect.

Union supports continued EU membership. *Nautilus International* [Online]. 27 April 2016.

Available from: <https://www.nautilusint.org/en/what-we-say/nautilus-news/union-supports-continued-eu-membership/> The Council of Nautilus International at its meeting in April emphasised the Union's political neutrality but agreed that the best interests of the maritime profession and the shipping industry would be secured by the UK remaining in the EU.

RESEARCH

NCFRP Report 36 2016: Enhancing Sleep Efficiency on Vessels in the Tug/Towboat/barge industry. By Kathryn J. Reid, Fred W. Turek, and Phyllis C. Zee. *National Cooperative Freight Research Program (NCFRP)* [Online]. 2016. Available from: http://onlinepubs.trb.org/onlinepubs/ncfrp/ncfrp_rpt_036.pdf  Human error related to operator fatigue is a major concern in all freight operations. The general consensus is that 7 to 8 hours of sleep per 24-hour day is required to maintain acceptable levels of alertness, minimize fatigue, and permit optimum performance.

Abundance and Distribution of Sperm Whales in the Canary Islands: Can Sperm Whales in the Archipelago Sustain the Current Level of Ship-Strike Mortalities? By A. Fais, T. P. Lewis et al. *PLoS ONE*. [Online]. (2016). Available from: <http://dx.doi.org/10.1371/journal.pone.0150660> Sperm whales are present in the Canary Islands year-round, suggesting that the archipelago is an important area for this species in the North Atlantic.

Decreasing NOx of a Low-Speed Two-Stroke Marine Diesel Engine by Using In-Cylinder Emission Control Measures. By L. Feng, J. Tian et al. *Energies*. [Online]. (2016). Available from: <http://www.mdpi.com/1996-1073/9/4/304> The authors applied one-dimensional (1-D) simulation and 3-D Computational Fluid Dynamics (CFD) simulation to evaluate the potential of in-cylinder control methods on a low-speed 2-stroke marine engine to reach the International Maritime Organization (IMO) Tier 3 NOx emissions standards.

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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.