



## ISCO & THE ISCO NEWSLETTER

The International Spill Control Organization, a not-for profit organization dedicated to raising worldwide preparedness and co-operation in response to oil and chemical spills, promoting technical development and professional competency, and to providing a focus for making the knowledge and experience of spill control professionals available to Intergovernmental, Governmental, NGO's and interested groups and individuals

ISCO holds consultative status at the International Maritime Organisation and observer Status at International Oil Pollution Compensation Funds

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## INTERNATIONAL NEWS

CLICK ON THE BANNER BELOW FOR MORE INFORMATION



## FAST-TRACKING ACTION IN SUPPORT OF THE POST-2020 GLOBAL BIODIVERSITY

October 12 - The Global Environment Facility (GEF), United Nations Development Programme (UNDP), and United Nations Environment Programme (UNEP) today announced their commitment to fast-track support to governments to prepare for the rapid implementation of the post-2020 global biodiversity framework. The new framework will be adopted by the Conference of the Parties to the Convention on Biological Diversity in May 2022 at the conclusion of its fifteenth meeting. Urgent action will be needed to jumpstart its implementation at the scale that the current loss of biodiversity requires. GEF / [Read more](#)



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## MORE INTERNATIONAL NEWS IN BRIEF

### ACCELERATING CHANGES TO OCEAN HEALTH REVEALED BY NEW DATA

October 7 - Swift and severe changes from natural variations, overexploitation and human influences are unveiled in the latest comprehensive report published in the Journal of Operational Oceanography (JOO), one of the Institute of Marine Engineering,

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(Members with special responsibilities in specified geographical areas)

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## MORE INTERNATIONAL NEWS IN BRIEF (CONTINUED)

Science & Technology's (IMarEST) peer-reviewed academic journals.

Issued as an annual JOO supplement, the Copernicus Marine Service Ocean State Report charts physical changes taking place in the world's ocean over several decades. It has a particular focus on the significant consequences of several key trends, including rapidly rising sea levels, ocean warming, ocean acidification, ocean de-oxygenation and a decline in sea ice. IMarEST / [Read more](#)

## PREPAREDNESS FOR CHEMICAL SPILLS AT SEA: EMSA HOLDS WORKSHOP ON HAZARDOUS AND NOXIOUS SUBSTANCES

October 11 - On 15 and 16 September, EMSA hosted a high level workshop bringing together national and local experts from relevant Member State administrations, regional agreement Secretariats, IMO and relevant industry associations for an online workshop on chemical spill response. Chemical spills at sea can quickly become complex incidents and require preparedness and the ability to respond quickly and effectively, with accurate information on the chemical substances involved. Aiming to raise awareness, the workshop addressed different perspectives on HNS incident management and response, gave an overview of recent incident statistics, focused on lessons learnt and associated key challenges, and explored EMSA's HNS services and planned work, as well as national and regional priorities and needs in the field. With four online modules over two days and around 100 registered participants, the workshop included participation from industry associations including the salvage industry, chemical industry, port authorities, shipowners, insurers, as well as other relevant key players in HNS incident management. Also featured in one of the modules was a dedicated webinar on the MAR-ICE service, hosted jointly by Cefic, Cedre and EMSA. EMSA / [Read more in the October 2021 issue of the Emsa Newsletter](#)

## EUROWA NETWORK GRANTED OBSERVER STATUS AT THE BONN AGREEMENT

October 11 - We are delighted to announce that the Bonn Agreement has further cemented its commitment to oiled wildlife preparedness and response issues by granting observer status to the EUROWA network. This was approved at the Bonn Agreement meeting on 22-23rd September, meaning that the EUROWA network can now attend relevant meetings of the Bonn Agreement to speak up on oiled wildlife preparedness and response issues. EUROWA / [Read more](#)

## REPORT: DECAYING YEMENI FSO THREATENS THE HEALTH OF MILLIONS OF PEOPLE

October 12 - The abandoned FSO Safer continues to rot off Yemen's Red Sea coast, threatening the region with environmental catastrophe. Although negotiations to offload the defunct vessel have been ongoing for months – and are now being led by the UNSC - there is no expected date for a resolution. Maritime Executive / [Read more](#)

## OILED WILDLIFE RESPONSE FEATURED IN BALTIC SEA ANNUAL OIL SPILL RESPONSE EXERCISE BALEX DELTA

October 12 - BALEX DELTA is the largest annual transnational oil spill response exercise in the Baltic Sea region. This year, the exercise was held in Kotka, Finland from the 23rd-25th of August, led by the Finnish Border Guard. The exercise included a national shoreline and oiled wildlife response exercise which was coordinated by Kymenlaakso Rescue Services. Member organisations of The Finnish Voluntary Rescue Service network (including EUROWA network member WWF Finland), and volunteers were used for shoreline assessment, search and collection of oiled wildlife, conducting an oil collection simulation, and for supporting functions like management, coordination, transport and healthcare. The BALEX DELTA was a great opportunity for oiled wildlife

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responders in Finland to test the robustness of their draft oiled wildlife response plan and level of preparedness.

EUROWA / [Read more](#)



## MORE INTERNATIONAL NEWS IN BRIEF

### REVISED AGENDA ISSUED FOR THE NOVEMBER 2021 MEETING OF THE IOPC FUNDS' GOVERNING BODIES

October 12 - A revised provisional agenda and timetable have been issued for the upcoming November 2021 meeting of the IOPC Funds' governing bodies to take into account a change in format for the ballot procedure for the appointment of the next Director IOPC Funds / [Read more](#)

### EUROPE: HABITATS DIRECTIVE: NEW GUIDANCE ON PROTECTED SPECIES

October 12 - The European Commission has issued a guidance document on the strict protection of animal species under the Habitats Directive, including iconic species such as wolves, bears and dolphins. It aims to help EU Member States improve the implementation of the Directive on the ground. Prepared in close cooperation with Member States and stakeholders, the guidance builds on their rich practical experience and knowledge developed over the last 15 years of implementation. It factors in the latest Court of Justice rulings, thus helping to ensure coherent application of the nature protection rules across the European Union. EC / [Read more](#)

### NEW STUDY PINPOINTS MARINE POLLUTION HOTSPOTS IN THE ARAFURA AND TIMOR SEAS REGION

October 12 - The Arafura and Timor Seas (ATS) region is not only extremely rich in living marine resources, but also oil and gas reserves. According to a recent study by Dr. Won-Tae Shin, CEO of Global Ocean, Inc. in collaboration with the ATSEA-2 programme, the southern coast of Timor Island is especially vulnerable to oil spills occurring in the Timor Sea, specifically around the Rote Ndao District. The results of preliminary modelling also identified waters surrounding Aru Island and the south coast of Timor-Leste as hotspots for seafloor debris such as derelict fishing gear. PEMSEA / [Read more](#)

### HELCOM MINISTERS TO ADOPT AN AMBITIOUS PROGRAMME OF ACTIONS AND MEASURES FOR A HEALTHY BALTIC SEA

October 13 - The way towards a healthy Baltic Sea will be charted during the HELCOM Ministerial Meeting 2021, to be held in Lübeck, Germany, on 20 October 2021, where the HELCOM Ministers and the EU Commissioner for the Environment are planning to adopt the updated Baltic Sea Action Plan. "The Lübeck Ministerial Meeting is particularly significant because the updated Baltic Sea Action Plan will influence and guide our regional efforts towards a healthy Baltic Sea for the next decade," said Rüdiger Stempel, Executive Secretary of HELCOM. HELCOM / [Read more](#)

### LANDMARK UN RESOLUTION CONFIRMS HEALTHY ENVIRONMENT IS A HUMAN RIGHT

October 14 - Inger Andersen, Executive Director of the United Nations Environment Programme (UNEP) [called the adoption of the resolution](#) "a breakthrough moment for environmental justice", saying it would help shield individuals and communities from risks to their health and livelihoods. She encouraged Member States to consider a similar resolution at the UN General Assembly, which has universal membership. UNEP / [Read more](#)

## NEWS REPORTS FROM AROUND THE WORLD

### AUSTRALIA DONATES TO THE IMO INTEGRATED TECHNICAL COOPERATION PROGRAM



October 11 - Australia proudly supports global efforts to help developing maritime states. The assistance Australia and other nations provide helps developing maritime states to comply with the International Maritime Organisation's regulatory framework. Enabling all maritime states to comply with international maritime laws contributes to reliable shipping and aviation links around the world, which are vital to regional stability, sustainable development and disaster resilience.

Recently as a part of Australia's commitment, Australia donated two hundred thousand dollars to the International Maritime Organisation Integrated Technical Cooperation Program, which assists developing countries to comply with the IMO's regulatory framework. AMSA / [Read more](#)

### CROATIA: "ECO-SEA 2021" – EXERCISE HELD IN RIJEKA



October 14 - ATRAC actively participated in the Exercise "ECO-SEA 2021" which was conducted on October 13, 2021, by the Primorje-Gorski Kotar County Operational Center. The exercise took place, in slightly windy weather, off the coast of the western part of the city of Rijeka and brought together 10 companies from the Rijeka area that are involved in the county's preparedness and response system. The exercise was also attended by appointed members of the COC – County Operations Center for the implementation of the response to the County Contingency Plan. The exercise was conducted as part of the regular annual activities of COC and gathered about 60 active participants who, in accordance with the objectives of the exercise, carried out operations to collect oil at sea and clean oil on the coast. ATRAC / [Read more](#)

### ESTONIA: NATIONAL OILED WILDLIFE TRAINING COURSE TO FURTHER PREPAREDNESS



October 9 - On 7 and 8 October, Sea Alarm was invited by the Estonian Ministry of Environment to deliver a face-to-face national training course about oiled wildlife response as part of the EU-funded Interreg **OIL SPILL Project** dedicated to the Baltic Sea Region.

Over 14 representatives of Estonian authorities (Environmental Board, Police & Border Guard, Rescue Board and Ministry of Environment) as well as a local NGO (the Estonian Fund for Nature or ELF) gathered to know more about the national oiled wildlife response plan and their respective roles in terms of in-country preparedness and response in case of emergency situation impacting wildlife. Sea Alarm / [Read more](#)





## FRANCE: LATEST NEWS REPORTS FROM CEDRE

October 13 – Response Activities summary for September 2021

Cedre was contacted by the [Bouches-du-Rhône fire brigade](#) following a spill of formaldehyde into a pond, with a request for a list of specialised response contractors. The BSAM (French Customs Aeromarine Surveillance Brigade) in Le Havre asked Cedre to identify emissions of white smoke from the funnel of a merchant vessel. This funnel was in fact a scrubber to reduce smoke pollution. Several enquiries were received in relation to the identification of possible instances of pollution in photos: requests from [MRCC Corsen](#) and [AEM Guyane](#) (State action at sea in French Guiana) related to what appeared to be algal blooms. An enquiry was received from [AEM Méditerranée](#) (State action at sea in the Mediterranean) in relation to a release of fatty acid methyl esters which diluted naturally. Engineers from Cedre were sent on site to take part in 2 exercises organised by Maritime Prefectures. In Brest, the HERMINE exercise simulated a container ship casualty and the loss overboard of containers of chemicals, including some classified as hazardous. In Cherbourg, the POLHARBOR exercise involved a collision between a tanker and a container ship, resulting in an oil spill at the surface. Finally, Cedre was called upon for a MAR-ICE exercise organised by Lithuania relating to the appropriate personal protective equipment to be worn in the event of an ammonium nitrate fire on board a ship, as well as for an ICE exercise organised by Spain that focused on stabilised ethyl acrylate.

Other news from CEDRE

- Launch of a Franco-American beach litter study
- Mission at La Mède refinery
- Training course on marine litter monitoring
- Training course for Naval Group University
- Efficacy of biosourced products
- Launch of a study on litter in rainwater drainage networks in Brest métropole
- Participation in EMSA HNS workshop
- North Sea oil testing in the Polludrome®
- Practical training for civil protection personnel

[Read more in the September 2021 issue of the CEDRE Newsletter](#)

## FRANCE: EMSA PARTICIPATES IN ANED POLMAR EXERCISE LED BY FRENCH AUTHORITIES OFF THE COAST OF LE HAVRE

October 11 - The ANED POLMAR exercise, which took place on 29-30 September, was based on a scenario in which an oil tanker collided with another vessel outside Le Havre, spilling oil into the sea. This exercise, organised by the Maritime Prefecture of the North Sea and Channel, aimed to train the parties involved to respond in case of an incident, including providing assistance to a vessel in distress and combatting an oil spill at sea. A standalone service for lightweight RPAS from on board vessels was requested by the French authorities, and EMSA provided an RPAS to be used from on board the French Navy vessel Argonaute. The purpose of the on-board RPAS is to assist in the exercise response operations under the command of the On-Scene Commander. The RPAS can identify areas of pollution and make clean-up operations more efficient by providing indications of the slick thickness, in line with the Bonn Agreement Oil Appearance Code.

[Read more in the October 2021 issue of the Emsa Newsletter](#)

## GREECE: AUTHORITIES ACTIVATE CLEANSEANET AFTER SEA BIRD CARGO TANKER COLLIDES WITH SMALL ISLAND

October 11 - On 28 August, Togo-flagged cargo tanker Sea Bird (IMO 8202941) collided with the rocky islet of Karavi, sinking immediately in the surrounding Greek waters. In order to support in the emergency response and detect any possible oil spills around the wreck, Greek authorities activated EMSA's CleanSeaNet satellite service. Sixteen synthetic aperture radar (SAR) images and one optical image were delivered and a possible oil spill identified. CleanSeaNet satellite services continued to monitor the area around the wreck to track the evolution of the spill. EMSA also mobilised the Agency's Oil Spill Response Vessel Aktea, along with the vessel's on-board Remotely Piloted Aircraft System (RPAS).

The RPAS can identify areas of pollution and make clean-up operations more efficient by providing indications of the slick thickness. The RPAS flew frequently, and provided valuable support to the oil spill recovery operations by positively identifying pollution forming on the sea surface to estimate the position of wreck, and by providing a reference point for the OSRV Aktea to manoeuvre for pollution recovery activities. Over a 7-day period, the Aktea oil spill response vessel performed selective mechanical recovery operations using sweeping arms and integrated skimmers. After consulting with EMSA, the Greek authorities allowed the Aktea to discharge excess water resulting from the decanting process of the recovered oil water mixture, a practice which is recommended in such circumstances as it allows the spill recovery vessel to remain longer in recovery operations on site without causing further damage to the marine environment.

[Read more in the October 2021 issue of the Emsa Newsletter](#)

## **THE NETHERLANDS: EMSA EQUIPMENT ASSISTANCE SERVICE - HANDS-ON TRAINING IN ROTTERDAM**

October 11 - On 6-9 September, in Rotterdam, the Netherlands, EMSA organised a hands-on training session for equipment operators from EU/EFTA Member States. Over the course of three days, representatives from Denmark, Finland, Greece, Germany, Ireland and Norway were trained in the use of selected oil pollution response equipment systems that are part of EMSA's Equipment Assistance Service (EAS). The EAS service is meant to top-up Member State capacities to respond to a pollution event at sea, and is part of our toolbox of pollution response services that we maintain in full operational readiness.

[Read more in the October 2021 issue of the Emsa Newsletter](#)

## **URUGUAY: ONLINE SEMINAR FOR IIDM AND CENNAVE**

October 15 - On 14 October 2021, the Director, José Maura, and Head of Claims, Liliana Monsalve, participated in an online seminar for the Instituto de Derecho Marítimo (IIDM) and Centro de Navegación (CENNAVE) in Uruguay. The seminar was part of a virtual course organised by the two organisations over a period of three weeks, entitled 'Introduction to Maritime Law' and the IOPC Funds were invited to speak about the international liability and compensation regime. The seminar attracted some 60 participants from across Latin America and was a valuable opportunity to continue to widen awareness in the region of the work of the IOPC Funds and of the International Conventions for liability and compensation for oil pollution damage and also for damage caused by the carriage of Hazardous and Noxious Substances (HNS) by sea. <https://iopcfunds.org/news/online-seminar-for-iidm-and-cennave/>

## **USA: NAMEPA ANNOUNCES 2021 MARINE ENVIRONMENT PROTECTION AWARDS**

October 12 - The prestigious NAMEPA (North American Marine Environment Protection Association) Marine Environment Protection Awards for 2021 were announced today. Winners include Dorian LPG for the Industry Award, Port of Virginia, ITOPF's Karen Purnell being honored as an individual, New England Seafarers Center, Congressman Jim Hines, Ecochlor for Innovation, North American Association for Environmental Education (NAAEE), and Oceanic for Associations. The Awards will be presented at NAMEPA's Annual Marine Environment Protection Conference being held virtually on October 28th.

NAMEPA's Marine Environment Protection Awards are given in recognition of an individual or organization's innovative and extraordinary effort to commit themselves to preserving the marine environment as exemplified by a commitment to programs which have specific objectives set for environmental performance and improvement. The categories were Non-Profit, Education, Environmental, Government Agency, Individual, Industry, Port, and Seafarer Welfare. The Maritime Executive / [Read more](#)

## **USA: 2022 HERITAGE COMPLIANCE TRAINING SESSIONS (RCRA / DOT HAZMAT)**

October 13 - RCRA- The Resource Conservation and Recovery Act (RCRA) requires annual training in accordance with 40 CFR 262.34(a)(4) incorporating 40 CFR 265.16. Hazardous waste workers are required to become familiar with proper hazardous waste management and emergency procedures. Additional regulations require training for universal waste handling procedures. Our RCRA Regulatory Review course is designed to provide a pragmatic approach to hazardous waste, universal waste, and used oil management.

DOT Hazmat- The DOT training and testing will be in compliance with 49 CFR 172.700 (Subpart H – Training). This training is not required annually, it must be completed/updated once every three years. DOT Hazmat training is to be specific to job duties. This training is geared to those who complete and sign hazardous waste manifests to ship waste by highway.

SCAA / [Read more and view scheduled dates](#)

## **PEOPLE IN THE NEWS**

### **DR KAREN PURNELL WINS NAMEPA'S 2021 MARINE ENVIRONMENT PROTECTION AWARD**

Dr Karen Purnell has been announced as the winner of the NAMEPA (North American Marine Environment Protection Association) Marine Environment Protection Individual Award for 2021. NAMEPA's awards are given in recognition of an individual or organisation's innovative and extraordinary effort to commit themselves to preserving the marine environment.

Karen said: "I am honoured and delighted to receive this prestigious award from NAMEPA, which is testament to the hard work and commitment of the whole team here at ITOPF in our mission to promote effective spill response."

Karen will be presented with the Award at NAMEPA's Annual Marine Environment Protection Conference which is being held virtually on 28th October. She will also participate in NAMEPA's Leadership Roundtable discussion on the day of the Awards. ITOPF / [Read more](#)



### ITOPF WELCOMES NEW MEMBERS TO THE TEAM



October 11 - Oli Beavon has joined as Managing Director (designate), taking over the reins from Dr Karen Purnell who retires at the end of the year. Oli is a seasoned leader with diverse experience gained over nearly three decades with BP. He is a Chartered Engineer with an MBA and has worked and led across industry sectors including petrochemicals, gas, oil and shipping and functional teams in HR and safety. For the last three years, Oli has worked in workplace, human performance and culture.

Jamie Stovin-Bradford joins as Technical Support Coordinator, having recently completed an MSc in geophysical hazards from University College London. Jamie's role involves providing support to the team on modelling and monitoring, as well as assisting with the assessment of claims.

Picture shows Oli (left) and Jamie (right) <https://www.itopf.org/news-events/news/new-members-of-the-team/>

## ISCO NEWS

### ISCO'S AGM 2021 WILL TAKE PLACE VIRTUALLY ON 9<sup>th</sup> DECEMBER 2021

The Agenda and Meeting Papers have not yet been sent out to Members. More details including time and joining instructions will be posted here later.

### ISCO'S NEXT ZOOM MEETING HAS BEEN SCHEDULED FOR OCTOBER 28<sup>th</sup> 2021 AT 0900 EDT / 1400 BST

The Agenda and Joining Instructions will be posted here next week.

### REDUCING THE SIZE OF THE ISCO NEWSLETTER

No comments received from our readers but we are continuing to look at various options, especially for reducing content that could be regarded as repetitive.

The general plan is that repetitive content will be made accessible by one-click links to newly created website pages.

This way the number of pages in the Newsletter will gradually be reduced.

At the same time the content of the new website pages will be updated on a weekly basis

All the information in the newsletter features being moved will therefore continue to be very easily consulted by our Newsletter readers.

## ISCO STUDENTS, TRAINEES & APPRENTICES CORRESPONDENCE PAGE

### ISCO OFFERS A FREE TRIAL MEMBERSHIP FOR STUDENTS, TRAINEES AND APPRENTICES

This week we welcome two new Student Members – Josie Wilson and Karla Lopez. They are both studying at Texas A&M University Corpus Christi, School of Spill Control, Texas, USA. More details later.

Download the application form at <https://spillcontrol.org/membership-application-form/>

Members who are students, trainees or apprentices are invited to send in their profiles, a photo and share news of their activities for sharing information and possibilities for ideas-exchange and co-operation.

Please note that Kayode Peter Balogun has been named head of the student group. He can be reached at [balogunkayodepeter@yahoo.com](mailto:balogunkayodepeter@yahoo.com), Mary Ann Dalglish (VP Membership) can be reached at [mrydetroit@aol.com](mailto:mrydetroit@aol.com).

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ISCO Members and other readers of the ISCO Newsletter who feel they can assist our Student Members or accept offers of help should contact Kayode Peter Balogun at [balogunkayodepeter@yahoo.com](mailto:balogunkayodepeter@yahoo.com) or get in touch directly with our Student members.

We will do our best to alert you about things that may be of interest to you and ask that you reciprocate by sending me info on events, opportunities, etc. that may be of interest to others and can be shared on this page. [John.mcmurtrie@spillcontrol.org](mailto:John.mcmurtrie@spillcontrol.org)

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### “SLEEPING ON THE STREETS” – AN APPEAL FROM NIGEL AND DEVON BENNETT (TEAM IMPACT) OF AQUA-GUARD

On Nov 18th, my son Devon and I, as Team IMPACT will be sleeping on the streets in support of at risk youth. With the cold wet weather approaching we are launching our fundraising push for our upcoming sleep out. Over the past five years with your remarkable support, we have been able to exceed our goals of giving to this worthy cause. I am coming to you again to help us exceed our target with a big ask to donate whatever you can to help our homeless and at risk youth. Devon and I will sleep outside for one night in solidarity with those youth who may face many more cold, lonely nights until they find their way through the doors of Covenant House Vancouver. Please help us do our small part to make sure the doors stay open for all those youth who need them. We would really appreciate your support again this year by giving generously! Just click either link below to donate what ever you can.  
Nigel’s page: <http://support.covenanthousebc.org/goto/nigelbennett>  
Devon’s page: <http://support.covenanthousebc.org/goto/devonbennett>

More information: Video from a past sleep out: [https://youtu.be/BUDZJp\\_bojM](https://youtu.be/BUDZJp_bojM)  
IMPACT interview with Kim Wing of Covenant House <https://youtu.be/2LkCDa6QAcM>

## CONTRIBUTED ARTICLE

### NOAA CONTRIBUTES TO U.S. COAST GUARD MISSION TO RECOVER OIL FROM SUNKEN WWII VESSEL

An article by By Vicki Loe, Doug Helton, and Lisa Symons, Office of Response and Restoration



*Chief Petty Officer Christopher Taylor, assigned to the Coast Guard Atlantic Strike Team, tended a hydraulic line for the deep-sea hydraulic drill to be used during offshore operations, near Key West, Florida, July 8, 2021. The National Strike Force was overseeing pollution mitigation efforts from the tanker Munger T. Ball shipwreck that was torpedoed by a German U-boat in May 1942.*

*Image credit: U.S. Coast Guard.*

At about 1:30 a.m. on Tuesday, May 5, 1942, the American Steam Tanker Munger T. Ball, en route to Norfolk, Virginia, from Port Arthur, Texas, with a cargo of 65,000 gallons of gasoline was hit twice by torpedoes and machine gun fire from the German U-507 about 80 miles northwest of Key West, Florida. The first hit caused the tanker to burst into flames, preventing the crews’ ability to launch lifeboats, leaving 30 dead and four survivors who were able to swim away from the burning vessel and be rescued four hours later. The vessel sank within 15 minutes of the second hit.



In June 2021, following reports of intermittent oil sheens in the area, the U.S. Coast Guard, the U.S. Navy, NOAA, the Maritime Administration, with the contract salvage company, Resolve Marine Group, conducted an assessment of the source. For many years, the wreck at that location was thought to be that of the American Steam Tanker Joseph M. Cudahy, a vessel that was hit by torpedoes from U-507 at 4:15 a.m. also on May 5, 1942, a few hours after the burning of the Munger T. Ball. But the marine archeological study done as part of the recent assessment ultimately helped to uncover the actual identity of the vessel as the Munger T. Ball, not the Joseph M. Cudahy.

Operation Paukenschlag "Drumbeat" started in January of 1942. In April of 1942, coastal city blackouts were instituted and convoys of ships were used more frequently and the U.S. stepped up efforts to destroy U-boats. Both the Munger T. Ball and the Joseph M. Cudahy were transporting fuel to support the Allied ships as part of the WWII effort. The German Navy had just begun their effort to disrupt shipping of oil and other cargo through the Gulf of Mexico and the Atlantic seaboard. At that early stage of the German effort, the U.S. Navy was not as focused on the Atlantic and woefully under-resourced. Most of the U.S. Navy focus was on the Pacific, post Pearl Harbor.

The Munger T. Ball and the Joseph M. Cudahy were only two of 56 ships sunk by German submarines during that month in May 1942. By August of 1942, the losses had decreased. Most ships were sunk within 30 miles of shore, sometimes two to three vessels a day. Passengers coming into airports saw flaming wrecks; sunbathers in Virginia and North Carolina saw ships go down as burning tankers became a familiar sight off coastal resorts. Black oil and tar balls coated beaches.

There are thousands of shipwrecks in U.S. waters and back in World War II, there was not much concern about oil as a marine pollution source. Because of the ongoing war effort, the nearshore wrecks were often intentionally blown up to decrease hazards to navigation and to preclude them being used as hiding places for U-boats; offshore wrecks were often left as they were.

In more recent years, however, the pollution contained in these wrecks have become a greater concern, and in 2010, Congress directed NOAA to conduct a national risk assessment, focusing on the ships that most likely still contained large amounts of oil as fuel or cargo. That effort screened over 20,000 potential targets to identify 87 priority wrecks, including both the Munger T. Ball and the Joseph M. Cudahy. A detailed report was prepared for each of the priority wrecks.

The national risk assessment effort, known as NOAA's Remediation of Underwater Legacy Environmental Threats (RULET), was a key tool in the planning and response to the Munger T. Ball. The RULET database helped to identify the location and nature of potential sources of oil pollution from sunken vessels. The focus of RULET sites are wrecks with continued potential to leak pollutants including vessels sunk during past wars, many of which are also grave sites, as in the case of the Munger T. Ball. NOAA's Office of National Marine Sanctuaries and Office of Response and Restoration jointly manage the RULET database.

As with many responses, several NOAA components were involved in the effort. The Office of Response and Restoration contributed to the mission with statistical modeling and trajectories; determining resources at risk; and consultation considerations concerning the Essential Fish Habitat (EFH) (Magnuson–Stevens Fishery Conservation and Management Act of 1976) and the Endangered Species Act (ESA) of 1973. The Office of National Marine Sanctuaries provided input on consultation issues associated with the National Historic Preservation Act as well as EFH and ESA considerations. The National Environmental Satellite, Data and Information Service (NESDIS) provided ongoing satellite analysis of sheening occurring from the Munger T. Ball. The National Weather Service, Weather Forecast Office Key West, provided marine spot forecasts that were critical in the support of on-water operations, including issues associated with Hurricane Elsa.

Using divers and remote operated vehicle technology, the assessment determined that while most of the oil on board had likely burned or been released, intact tanks remained that were found to be the source of the leaks causing the visible sheens. The mitigation efforts involved safely removing the remaining 35,000 gallons of oil product from port tanks 4, 6, and 7, concluding a 40-day coordinated response on July 16, 2021. Those that participated in the effort to recover the oil were sensitive to the fact that the wreck is the final resting place of the 30 crew members who perished in the attack.

CAPT. Adam Chamie, Coast Guard Munger T. Ball, federal on scene coordinator, summarized:

"Despite facing many challenges, our crews wrapped up a very successful and historical response to the tanker Munger T. Ball and I could not be more proud. Coast Guard members deployed from across the nation and integrated seamlessly with our agency partners and private marine contractors to safely and efficiently remove oil from the ship while also paying respects to those who laid down their life for their country."

On July 12, 2021, with mitigation efforts almost complete, a ceremony was held at the site, laying a plaque on the hull to commemorate the 30 crew members who died in the early hours of May 5, 1942.

*ISCO thanks NOAA OR&R for kind permission to re-print this article.*

### SUPPORTING UN SUSTAINABLE DEVELOPMENT GOALS WITH LEVEL 1 TELEPHONE EMERGENCY RESPONSE BEST PRACTICE

Tuesday 19<sup>th</sup> October 2021

From NCEC - Be part of the discussion with some of the chemical industries experts from leading organisations and chemical associations, to talk about level 1 telephone emergency response best practice and its role beyond compliance. [More info](#)

### WEBINARS FROM UK & IRELAND SPILL ASSOCIATION

Wednesday, 20 October 2021, 1500 BST Knowledge Base: Aerial surveillance, drones [More info](#)

In this webinar we talk first with Orbital EOS who provide satellite interpretation services to a number of customer; some to provide a flyover surveillance scan of their facilities to check all is well and to identify if there is any leak from their facility. Other customers engage them for surveillance and then detailed interrogation of any non-conformance. Other clients use them to track when a leak has been detected through on-site monitoring systems so that the response can be targeted. They will explain why satellite imagery is becoming increasingly affordable, much smarter and interpretation is improved and how best to use these services. They will then walk through some recent case studies.

Wednesday, 17 November 2021, 1500 BST Knowledge Base: Inland – Drill rig selection and safety [More info](#)

### OCEAN PROTECTION AND MONITORING TECHNOLOGIES AND SERVICES

Wednesday 20<sup>th</sup> October 2021 - 0900-1300 – Part 1 Ocean Focus

European Commission - This webinar, jointly organised by the European Investment Bank, the European Commission's Directorate General for Maritime Affairs and Fisheries, the European Agency for the Space Programme (EUSPA), Copernicus Marine Services and OceanOPS, will present the latest developments on monitoring our seas so as to stimulate investment and partnerships between public institutions and private companies. [More info](#)

### SECONDARY CONTAINMENT – MANAGING DIFFICULT CONTAINMENT PENETRATION METHODS

Tuesday, October 26, 2021 Time: 11:00 a.m. EDT to Noon

Sealing difficult penetrations in secondary containment systems can be challenging using traditional methods. In this webinar, we will discuss the advantages of industrial spray coatings and BCI Polyseam™ for sealing around liner penetrations and difficult liner attachments.. The above is one of a series of webinars with a focus on secondary containment. For more info visit <https://www.basicconcepts.com/upcoming-events/>

### EIGHT PHASE APPROACH TO HNS INCIDENT SCENE MANAGEMENT – A STRUCTURED APPROACH TO SAFELY RESOLVING HAZMAT INCIDENTS

Tuesday 2 November, 10:00 AM (GMT) – Phase 5 – Implementing the tactical plan.

Phase 5 - This phase is all about following the tactical plans that must now be in place. During this webinar, the panel will look at what factors the Hazmat Advisor must consider before making any final decisions. The panel will also consider the various other ways that the same incident can be brought to a successful conclusion. [More info](#)

### EXXONMOBIL OIL SPILL RESPONSE KNOWLEDGE TRANSFER WEBINARS 4 - 5

Please join us for the next webinars as follows:

**Webinar 4: November 2nd 2021;** Guest speaker – Ed Owens; Topic - What we really do on an oiled shoreline response

Mr. Ed Owens was seconded to the “Arrow” response operation in Nova Scotia in 1970, because he knew something about shorelines – although nothing about oil spills. He spent the next 10 years as a government and university research scientist trying to avoid oil spills. To no avail. So, eventually in 1979 he succumbed to the world of consultants and has been involved full time since then with preparedness, training, research, as well as responding to spills worldwide. His focus is on innovation for coastal oil spills and to continually improve shoreline response programs by adapting lessons learned to the decision process and operational practices. He pioneered aerial videotape mapping techniques in the early 1980s which evolved during the 1989 Prince William Sound response into the shoreline survey strategy today known as SCAT. Currently, among other things, he is actively evaluating the applications of canine detection dogs for shoreline and pipeline spills and the analysis of UAS (“drone”) imagery to support shoreline surveys.

## UPCOMING WEBINARS (CONTINUED)

**Webinar 5: December 7th 2021;** Round-table discussion of stories during spills by Alan Allen, Ann Hayward Walker, Stephen Lehmann, and Ed Owens

The ExxonMobil Oil Spill Response Knowledge Transfer Webinar series is a monthly webinar to allow highly experienced OSR experts to transfer their knowledge to attendees. The webinar series will provide a platform to communicate, transfer, and preserve OSR knowledge, and to share insights and perspectives from industry, academia, oil spill responders, and other oil spill response experts. The webinar series started on Tuesday, August 10 from 9 - 10 am Houston time and will continue every first Tuesday of the following months. We intend to continue the webinars indefinitely depending on response and our ability to schedule appropriate speakers. To receive the link and other joining info, please send an email to Lin Zhao at: [lin.zhao@exxonmobil.com](mailto:lin.zhao@exxonmobil.com).

Note that there is still room for more participants so feel free to forward this invite to others but ask that potential attendees RSVP Lin Zhao to get on the distribution list.

## TRAINING COURSES

### SOME USEFUL LINKS

- AUSTRALIA – AMOSC - <https://amosc.com.au/training/>
- AUSTRALIA & NEW ZEALAND – ALGA - <https://landandgroundwater.com>
- FRANCE - CEDRE - Click on these links [training catalogue](#) and [2021 calendar](#).
- UK & WORLDWIDE – OIL SPILL RESPONSE LTD. - <https://www.oilspillresponse.com/training/courses/>
- UK & WORLDWIDE – BRIGGS ENVIRONMENTAL SERVICES LTD. - <https://www.briggsmarine.com/services/training/>
- UK – NCEC HAZMAT ACADEMY – [More info](#)
- USA – TEXAS A&M UNIVERSITY – NATIONAL SPILL CONTROL SCHOOL - <http://nscs.tamucc.edu/schedule-2020-2021.html>
- USA – MPC, DETROIT - <https://marinepollutioncontrol.com/services/training-and-compliance>

If you would like to be listed here, please contact your editor – [john.mcmurtrie@spillcontrol.org](mailto:john.mcmurtrie@spillcontrol.org)

### TUNISIA: IMO OPRC LEVEL 2 TRAINING COURSE

November 9-11 - The Mediterranean Oil Industry Group (MOIG) and the Adriatic Training and Research Centre for Accidental Marine Pollution Preparedness and Response (ATRAC) are very pleased to invite you to IMO OPRC level 2 training course; which will be held from 09 to 11 November 2021 at Iberostar Averroes Hotel in South Hammamet-Tunisia.

The event will be open on Tuesday; 09 November 2021 at 09:00 am and expected to close on Thursday, 11 November 2021 at 13:15 pm. It will be animated by Mr. Vedran Martinic, ATRAC Director, Ms. Anja Pilepic and Mr. Marko Dordevic; Marine Environment Protection Associates.

The [Training Programme](#) is available on line for your reference. The working language will be English.

In order to enable MOIG to have all logistic arrangements made on time, it would be appreciated if you could have the online [Registration Form](#) completed and returned by Mail to [houcine.mejri@moig.org.tn](mailto:houcine.mejri@moig.org.tn) or by Fax at: +216 71 888 439 at your earliest convenience; preferably before 21 October 2021. We would like to bring your kind attention that participants who wish to attend the training course shall be vaccinated against Corona Virus. In addition, MOIG and Iberostar Averroes Hotel will put in place the necessary preventive measures namely the respect of distancing, the wearing of masks and the use of hydro-alcoholic gel in the conference room, in order to ensure the maximum safety of participants. Whilst looking forward to meeting you in this training course, please do not hesitate to contact MOIG secretariat for any further information.

### CEDRE HAS RELEASED ITS 2022 TRAINING CALENDAR



You can start making your 2022 training plans now.

Download the 2022 Training Calendar at

<http://wwz.cedre.fr/Formation/Formations-catalogue>



## UPCOMING EVENTS

**Event organisers are requested to notify ISCO immediately if a listed event is cancelled or postponed**

Your Editor is doing his best to keep this listing up-to-date but it should not be assumed that listed events have not been cancelled or postponed. It is recommended that you check with event organisers before finalising your attendance plans.

If an event title is not printed in blue ink it is not hyperlinked to the event website. This may be because the website is not yet available or because the link for the website has not yet been given.

If you want to request the addition of an event please contact the Editor.

For more information click on Title of Event			
COUNTRY	2021	TITLE OF EVENT	LOCATION
AUSTRALIA	October 18-21	<a href="#">Ecoforum 2021 Conference</a>	Sydney
GERMANY	October 20	<a href="#">HELCOM Ministerial Meeting</a>	Lübeck
IRELAND/VIRTUAL	October 21	<a href="#">8th Atlantic Stakeholder Platform Conference</a>	Dublin / Online
USA	October 25	<a href="#">Emergency Planning, Disaster Response UAV Forum</a>	Houston, TX
UK / VIRTUAL	Nov. 1-5	<a href="#">Meetings of IOPC Funds' governing bodies.</a>	Online
CANADA/VIRTUAL	Nov. 2-4	<a href="#">ITAC-MPRI Oil Pollution Response Workshop</a>	Online
TUNISIA	Nov. 9-11	<a href="#">IMO OPRC Level 2 training course</a>	South Hammamet
VIRTUAL EVENT	Nov. 16-18	<a href="#">UN "Accelerating solutions to reduce plastic waste"</a>	Online
USA	Nov. 16-18	<a href="#">Clean Gulf Conference &amp; Exhibition</a>	San Antonio, TX
VIRTUAL EVENT	Nov. 17-18	<a href="#">Emergency Responders Drone Conference 2021</a>	Online
ITALY	Nov. 18-20	<a href="#">Sealogy Expo and EC Conference</a>	Ferrara
VIRTUAL EVENT	Nov. 22-26	<a href="#">IMO Marine Environment Protection Committee</a>	Online
SWEDEN/VIRTUAL	Nov. 24-25	<a href="#">National Conference on Oil Damage Protection 2021</a>	Karlskrona
UK	December 1-2	<a href="#">Salvage and Wreck Removal Conference</a>	London
CAMBODIA	December 1-4	<a href="#">East Asian Seas Congress</a>	Sihanoukville
COUNTRY	2022	TITLE OF EVENT	LOCATION
UK	March 15-17	<a href="#">Oceanology International</a>	London
AUSTRALIA	May 16-19	<a href="#">APPEA Conference and Exhibition</a>	Brisbane
USA	June 7-9	Elastec's Spring 2022 Oil Spill Workshop	Carmi, IL
NETHERLANDS	June 21-23	<a href="#">Interspill Conference and Exhibition</a>	Amsterdam
USA	October 4-6	Elastec's Fall 2022 Oil Spill Workshop	Carmi IL
BAHRAIN	October 11-13	<a href="#">International Conference &amp; Exhibition on Spills, Clean Seas &amp; Environment</a>	Bahrein
CROATIA	October 25-27	Regional Workshop – Enhancing Preparedness and Response in the Adriatic & Mediterranean Regions	Opatija

Please advise the Editor if any of the above entries require correction or updating. If you are holding an event you would like to be featured here, please send details to [John.mcmurtrie@spillcontrol.org](mailto:John.mcmurtrie@spillcontrol.org)

## MESSAGES FROM EVENT ORGANISERS

### CANADA: MULTI-PARTNER RESEARCH INITIATIVE (MPRI) WORKSHOP

Please join us for the 2021 Multi-partner Research Initiative (MPRI) Workshop, held jointly with the Industry Technical Advisory Committee (ITAC) Mini-forum, on November 2-4, 2021.

Hosted by Concordia University, this virtual event will highlight some of the latest in science, technology, and operational advances in oil spill preparedness and response from ITAC and MPRI members. The first day will feature the ITAC Mini-forum, with presentations by ITAC subject matter experts, as well as a discussion on MPRI-ITAC collaboration. This will be followed by the two-day MPRI Workshop featuring talks and panel discussions on MPRI-funded research progress, the significance and legacy of the MPRI, and next steps for oil spill response research and collaborations.

You are invited to register for this event at <https://sites.events.concordia.ca/sites/mpri/en/itac-mpri-workshop-2021>. We will keep you posted regarding workshop details. Please contact [itac.mpri.workshop.2021@gmail.com](mailto:itac.mpri.workshop.2021@gmail.com) if you have any question. We look forward to seeing you virtually on November 2-4, 2021!

Additional information: ITAC (Industry Technical Advisory Committee) is an industry-led group that addresses issues and advancements in international oil spill preparedness, response, and applied science and technology. ITAC seeks to expand knowledge and exchanges within the industry and with response organizations, government regulators, and the academic, science, and technical community.

## MESSAGES FROM EVENT ORGANISERS (CONTINUED)

MPRI (Multi-partner Research Initiative) is an oil spill research program under Canada's Oceans Protection Plan under the leadership of Fisheries and Oceans Canada. To enhance Canada's response "toolkit", MPRI brings together the best scientific expertise in oil spill research, both nationally and internationally, to advance scientific knowledge to address major gaps in oil spill response and remediation strategies.

### USA: COUNTDOWN TO THE CLEAN GULF CONFERENCE & EXHIBITION IS ON!

We're counting down the weeks until we reunite with the spill prevention and response community at [CLEAN GULF](#), November 16-18, in San Antonio, TX! We have waited two years to get together, and we hope you are just as excited as we are for the event to take place. CLEAN GULF serves the spill response industry in prevention, preparedness, and response. It gives professionals a forum to come together with their peers to discuss case studies and lessons-learned from both recent and past incidents, and discover the latest technologies advancing prevention and response operations.

**CONFERENCE PROGRAM:** We have 21 sessions scheduled in 7 conference tracks, with a diverse group of industry experts lined up to speak. Conference tracks include: Business Continuity in Disaster/Crisis, Response & Restoration, Planning & Preparedness, Training & Exercises Best Management Practices, Research, New & Advanced Response Tools & Techniques, and Current Industry Concerns.

**EXHIBIT FLOOR:** Our exhibit floor includes 100+ exhibitors featuring products and services such as chemical detection, compliance solutions, containment equipment, data processing, disaster communication, drones, surveillance technologies, incident software, in situ burn products, response software, restoration tools, risk analysis, safety equipment, skimmers, swiftwater boom, waste disposal and much more!

**NETWORKING:** Networking is the #1 reason people attend CLEAN GULF each year and we've made sure to include as much time as possible to network at this year's event! Networking activities all take place on the exhibit floor and include 3 networking breaks, lunch and a welcome reception serving lite bites and drinks.

[Register now](#) for the 2021 CLEAN GULF Conference & Exhibition

### SWEDEN: NATIONAL OIL SPILL CONFERENCE 2021

The annual National Oil Spill Conference in Sweden will be held in a hybrid version virtually and in Karlskrona in Sweden 24-25 November. The conference will be held in Swedish. [More info](#)

### INTERSPILL 2022 – CALL FOR PAPERS DEADLINE EXTENDED TO OCTOBER 31<sup>st</sup>

"The Call for Papers deadline for Interspill, to be held in Amsterdam in June 2022, has been extended to October 31st. Any queries please contact one of the two co-chairs (Rob James at OSRL or Rob Cox at IPIECA). Abstracts should be 250 words and - if accepted - the final papers between 500 and 1000 words. [rob.cox@ipieca.org](mailto:rob.cox@ipieca.org)

## CONTRACTS, TENDERS AND BUSINESS OPPORTUNITIES

### INTERNATIONAL OPEN TENDER NOTIFICATION SERVICE

This is a subscription service. [Have a look to see examples of open tenders.](#)

### OTHER OPPORTUNITIES: USA & EUROPE

US Government solicitations are frequently posted in Technology Innovation News Survey, US EPA Tech Direct and USA Federal Contracts Update

European Maritime Safety Agency invitations to tender are often posted in The EMSA Newsletter.

See "Links for other publications" for links to download current issues of these publications.

## LINKS FOR DOWNLOADING AND READING OTHER PUBLICATIONS

[AMSA Update](#)

[ATRAC Newsletter](#)

[BIMCO Bulletin](#)

[Newsletter from George Holliday](#)

[Cedre Newsletter](#)

[Dr. Douglas Cormack](#)

[Eco Magazine](#)

[EMSA Newsletter](#)

[Environmental Expert](#)

Latest News from the Australian Maritime Safety Authority

News from the Adriatic Training and Research Centre

Marine and shipping-related news from BIMCO

News and commentary on HSE issues from George Holliday

News from Cedre in Brittany, France

Working to replace belief with knowledge in democratic policy making.

Reporting on ocean science, innovation and exploration

News from the European Maritime Safety Agency

Environmental News from Environmental Expert

Current issue

October 2020

June 2021

Free on request

September 2021

Website

Free on request

October 2021

Current issue

## LINKS FOR DOWNLOADING AND READING OTHER PUBLICATIONS (CONTINUED)

<a href="#">Environmental Technology</a>	Environmental Monitoring. Testing and Analysis	September 2021
<a href="#">GDACS Newsletter</a>	Daily alerts for natural disasters – earthquakes, floods, typhoons, etc.	Free on request
<a href="#">GEF Newsletter</a>	Monthly Newsletter from the Global Environment Facility	Jul.–Aug. 2021
<a href="#">GESAMP</a>	Group of Experts on the Scientific Aspects of Marine Environmental Protection	Latest news
<a href="#">GISEA Quarterly Newsletter</a>	News from Global Initiative for South-East Asia	Q1 2021
<a href="#">IMO News Magazine</a>	News from the International Maritime Organization	Summer 2021
<a href="#">IMO Publishing Newsletter</a>	New and forthcoming IMO publications	September 2020
<a href="#">ITOPF Ocean Orbit</a>	News magazine from ITOPF with interesting spill response articles	February 2021
<a href="#">JOIFF Catalyst Newsletter</a>	Int'l Organisation for Industrial Hazard Management	Latest issue
<a href="#">Maritime Executive Magazine</a>	Often contains articles of interest to the spill response community	Current issue
<a href="#">MED News</a>	UNEP / MAP Barcelona Convention News	September 2021
<a href="#">MOIG Newsletter</a>	News from the Mediterranean Oil Industry Group	September 2021
<a href="#">NCEC Newsletter</a>	News from the National Chemical Emergency Centre	May 2021
<a href="#">Navigate Response</a>	Global crisis communications network for shipping & marine	Current issue
<a href="#">NOAA OR&amp;R</a>	Weekly round-up of news from NOAA's Office of Response & Restoration	Latest issue
<a href="#">Oceanbuzz</a>	Newsletter giving news on the Ocean Technology Industry	Current issue
<a href="#">OCIMF Newsletter</a>	News from the Oil Companies International Marine Forum	Current issue
<a href="#">OHMSETT Gazette</a>	Oil Spill Response Research & Renewable Energy Test Facility Quarterly	Summer 2021
<a href="#">Oiled Wildlife Log</a>	Bi-annual Newsletter from Tri-State Bird Rescue & Research	May 2021
<a href="#">PEMSEA Newsletter</a>	Healthy oceans, people and economies in the East Asian Seas	Current issue
<a href="#">Pollution Online Newsletter</a>	News for pollution prevention & control professionals	Current issue
<a href="#">Salvage World</a>	Quarterly Newsletter of the International Salvage Union	Current issue
<a href="#">Sea Alarm Foundation Newsletter</a>	Oiled wildlife Preparedness and Response news from Sea Alarm	Current issue
<a href="#">Society of Maritime Industries</a>	News from the UK's maritime engineering and business services sector.	April 1, 2021
<a href="#">Spill Alert</a>	Quarterly Newsletter from UK & Ireland Spill Association	July 2021
<a href="#">Technology Innovation News Survey</a>	News from US EPA – Contaminated Site Decontamination	Aug. 16-31, 2021
<a href="#">The Marine Insurer</a>	Includes latest news on pollution insurance matters	June 2021
<a href="#">The Maritime Advocate</a>	Maritime News from Sandra Speares	Current issue
<a href="#">UNEP News</a>	Latest News from United Nations Environmental Programme	Latest News
<a href="#">USA EPA Tech Direct</a>	Remediation of contaminated soil and groundwater	Oct. 1, 2021
<a href="#">USA Federal Contract Opportunities</a>	The authoritative source for federal contract opportunities	Current issue
<a href="#">Water Pollution &amp; Flood News</a>	Monthly round-ups of UK & Worldwide Spill and Flood News	Free on request

Your editor depends on regular receipt of updated URL links for listed publications. If these are not received, relevant entries will be discontinued. Publishers are kindly requested to advise the editor [john.mcmurtrie@spillcontrol.org](mailto:john.mcmurtrie@spillcontrol.org) if any links are not up-to-date.

## NEW PUBLICATIONS

### LATEST ISSUE OF MEDITERRANEAN OIL INDUSTRY GROUP NEWSLETTER

Download at [http://medoigroup.org/newsletters/Newsletter\\_Issue\\_43.pdf](http://medoigroup.org/newsletters/Newsletter_Issue_43.pdf)

### NEW REPORT: NAVIGATION: WHY ECDIS NEEDS A NEW APPROACH

Prompted by an increasing number of grounding incidents, UK and Danish authorities have just published a major report that raises serious questions about the shipping industry's fundamental approach to electronic navigation.

New research by UK and Danish maritime authorities has set out findings that describe how the shipping industry has begun to routinely fail in its use and management of an essential piece of navigational information technology – ECDIS (Electronic Chart Display and Information System).

ECDIS allows crews to accurately map out their voyages on screen, and, in theory at least, minimise risks – primarily grounding – along a ship's passage. Navigators who use ECDIS are required to take specialist training to acquire necessary levels of knowledge and competence and become certificated. IMarEST / [Read more](#)

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