

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



International Oil Spill Conference

IOSC 2021

May 10-14 | Virtual Conference

UN TALKS WITH HOUTHIS CONTINUE OVER REPAIRS TO STRICKEN OIL TANKER

March 10 - Talks with the Houthis in Yemen are continuing in an effort to resolve the issues preventing experts from accessing the stricken oil tanker to assess its condition and make emergency repairs, the UN said on Wednesday.

Recently a new list of Houthi demands relating to "logistics and security arrangements" caused further delays.

"We hope that these discussions conclude quickly so we can move forward with booking the mission's vessels and finalizing a concrete deployment timeline," said Stephane Dujarric, the spokesman for UN Secretary-General Antonio Guterres. Arab News / [Read more](#)



REMPEC REGIONAL MEETING OF NATIONAL EXPERTS ON THE POST-2021 MEDITERRANEAN STRATEGY FOR PREVENTION OF AND RESPONSE TO MARINE POLLUTION FROM SHIPS

March 10 – IOPC Funds Claims manager, Chiara Della Mea, participated in the Regional Meeting of National Experts on the Mediterranean Strategy for the Prevention of, and Response to Marine Pollution from Ships (2022-2031), which was held remotely on 10 March 2021. The meeting was organised by the Regional Marine Pollution Emergency Response Centre for the Mediterranean Sea (REMPEC) and its main objectives were to examine the second draft Strategy and REMPEC's Action Plan and to discuss and consider a number of recommendations in that regard. Any decisions taken and conclusions of this meeting of experts will be presented to the meeting of the REMPEC focal points in May 2021. IOPC Funds / [Read more](#)

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INTERNATIONAL NEWS (CONTINUED)

TSHEROES OF SUSTAINABILITY IN THE MEDITERRANEAN

This special feature prepared by UNEP/MAP and the Regional Activity Centres SCP/RAC and SPA/RAC on the occasion of the 2021 edition of International Women's Day aims to highlight the accomplishments of some (among many) of the everyday female heroes who embody the principles enshrined in the Barcelona Convention through their work.

[Read the stories of female heroes in Turkey, Albania, Tunisia, Lebanon and Spain](#)



ITOPF'S 2021 R&D AWARD FUNDS RESEARCH INTO THE FATE AND EFFECTS OF HNS

March 12 – Press Release from ITOPF - We are pleased to announce that the beneficiary of the 10th ITOPF R&D Award is the Interdisciplinary Centre of Marine and Environmental Research (CIIMAR) in Portugal. The winning project - MODELRISK - will develop end-to-end models of marine ecosystems capable of predicting ecological hazards caused by hazardous and noxious substance (HNS) spills.

Specifically, the project will look at the food web, physico-chemical properties of the surrounding environment, circulation patterns and toxicity to marine organisms of four different types of HNS (a dissolver, a sinker, a floater and an evaporator) which

are commonly transported in European Atlantic waters. Studies will be focused on the Azores archipelago, a busy shipping route and area of significant ecological importance. Building on previous work, the team will also upgrade its existing HNS database to understand and predict impacts on different ecosystems, extending the applicability of the models into other geographic areas. Dr Karen Purnell said "It was a difficult choice this year as we had several excellent applications for our 10th Anniversary R&D Award. That said, this project stood out as a way of collaborating and building on pre-existing work to achieve a greater understanding of the behaviour and effects of HNS substances when spilt in the marine environment. It will also provide a practical tool to support planning and decision making in this complex field."

Since the ITOPF R&D Award was set up in 2011, almost half a million pounds have been distributed to R&D projects worldwide on behalf of ITOPF's shipowners and their P&I insurers.

Further information on the Award, including updates on previous award winners, can be found on our website: <http://www.itopf.org/in-action/r-d-award/>.

The deadline for applications for the 2022 ITOPF R&D Award is 30th November 2021. Potential candidates should not hesitate to contact us if they have any questions regarding the Award by emailing rdaward@itopf.org.

SUPPORTING INTERNATIONAL WOMEN'S DAY THROUGH THE IMOGEN MENTORSHIP PROGRAMME

The IOPC Funds is proud to support International Women's Day on 8 March and is delighted to announce that three senior members of the Secretariat have volunteered to participate in an IMO pilot mentorship scheme for female students of the International Maritime Law Institute (IMLI) interested in maritime diplomacy.

The IMOGENder project is hosting a webinar on 9 March to launch the scheme and already has 25 Ambassadors and several maritime diplomats who have volunteered as mentors.

IOPC Funds' Head of Claims, Liliana Monsalve, and Claims Managers, Chiara Della Mea and Ana Cuesta, who each have long careers in the maritime sector dealing with major oil pollution incidents, handling claims for compensation and speaking on issues such as the implementation of maritime conventions and oil spill preparedness and response, are all looking forward to sharing their experience and encouraging other women to join the maritime community.

INTERNATIONAL NEWS (CONTINUED)

Prior to joining the IOPC Funds seven years ago, Liliana Monsalve spent 25 years in the P&I insurance market, working at the West of England and Britannia P&I Clubs. Chiara Della Mea has worked at both the Italian Institute for Marine Applied Research (ICRAM), and in the Italian Ministry of Environment and Marine Protection and has been a Claims Manager at the IOPC Funds for over 16 years. Ana Cuesta has over 20 years of experience handling claims at the IOPC Funds. They are each looking forward to sharing their experience with their partners in this very worthwhile project.

For further information on the IMOGENder project and mentoring scheme please visit [IMOGENder](#).

NEWS REPORTS FROM AROUND THE WORLD

AUSTRALIA: IN THE PUSH FOR MARINE CONSERVATION, PARTIALLY PROTECTED AREAS ARE A “RED HERRING”

March 10 - Inspired by the United Nations [Aichi Biodiversity Targets](#), nations are rallying behind an ambitious pledge to conserve 30 percent of their lands and waters by 2030. However, more than two-thirds of the world's marine protected areas (MPAs), a primary marine conservation tool, allow some form of fishing. Now, an [in-depth study of MPAs](#) along Australia's southern coast shows that these partially protected reserves are largely ineffective —both for protecting biodiversity, and for improving people's enjoyment of the protected space. The study, conducted by social ecologist John Turnbull and his colleagues at the University of New South Wales in Australia calls partially protected marine reserves “red herrings” that “create an illusion of protection and consume scarce conservation resources.”

Hakai Magazine / [Read more](#)

CHINA: REPORT – MEETING OF MINISTRY OF EMERGENCY MANAGEMENT



March 8 - The Ministry of Emergency Management held a ministry meeting on March 8 to analyze the security situation during the two sessions of the National Assembly and to study the recent work of deployment. The meeting stressed that the fundamental interests of the vast majority of the people should always be taken into account, that development and security should be better integrated, that major security risks should be prevented and resolved in depth and solidly, that the security situation should be promoted to a stable and sustainable manner, and that national security and people should be ensured to live and work in peace and security. It was pointed out that the security situation in the country has been generally stable in the near future, but there are worries and risks. We should be aware of

the weak safety foundation, large total number of accidents, outstanding risks in key industry areas, the implementation of safety responsibilities and frequent natural disasters and other status quo, soberly aware of the serious complexity of the security situation, and always tighten the safety string. The security prevention work of the two national conferences should be further implemented. This year's Spring Festival non-stop work and after the festival ahead of the resumption of production enterprises, according to changes in the situation to strengthen research and judgment, the problem to grasp, timely plug loopholes, highlighting mines, dangerous chemicals, construction, fishery ships and other key industry areas, resolutely prevent and contain major accidents. [Thanks to Wu Yue and Jenny Li, Hong Kong Spill Response Technology Co. Ltd.]

FRANCE: EMERGENCY RESPONSE SUMMARY FOR FEBRUARY 2021

March 12 - Cedre's emergency team received a call in relation to a bitumen spill into the rainwater system, caused by a leak from a bitumen spreader on a road in Royan. Advice was provided remotely for an oil company following a crude oil spill in a mangrove in Western Africa. Following large-scale strandings of tarballs on the coast of Israel, the authorities called upon [REMPEC \(Regional Marine Pollution Emergency Response Centre for the Mediterranean Sea\)](#) and in particular the [Mediterranean Assistance Unit \(MAU\)](#), a network of experts from [ISPRA](#) and Cedre, activated to provide advice on issues relating to shoreline clean-up and waste management. Cedre's laboratory continues to conduct analysis tests on oiled feathers taken from birds washed up on the Breton shoreline, in order to compare the oil to known sources of contamination (of 18 samples analysed, 3 show a signature resembling the oil from the [Grande America](#), 7 that of the [Tanio](#) and 8 are of unknown origin). Finally, Cedre, as the French focal point for the ICE Network, was contacted as part of an exercise run by Sweden on the hazards and first response measures in the event of a spill of acetic acid (UN 2798). [Read more in the February 2021 Cedre Newsletter](#)

FRANCE: MANIFESTS PROJECT KICK-OFF MEETING

March 12 - The kick-off meeting for the [MANIFESTS project](#), on *MANaging risks and Impacts From Evaporating and gaseous Substances To population Safety*, was held virtually on 19th February. The discussions, chaired by Cedre as project leader, mainly focused on planning the different activities for 2021 and 2022. This project brings together 9 partners from 5 European countries as well as England, and is funded by t

The EU's **DG-ECHO**; it enjoys strong support from the **French Navy** through **CEPPOL** which will be in charge of organising practical sessions at sea. The primary aim of the MANIFESTS project is to provide pragmatic solutions in order to characterise the risks generated by the evaporation of a chemical from a slick at the water surface. The ultimate goal is to protect both response operators and local inhabitants. [Read more in the February 2021 Cedre Newsletter](#)

JAPAN: FUKUSHIMA'S TRAGIC LEGACY—RADIOACTIVE SOIL, ONGOING LEAKS, AND UNANSWERED QUESTIONS

March 10 - On March 11, 2011, Koide Hiroaki was in his laboratory in Kyoto, Japan. It was a gray, wet afternoon, and the 61-year-old nuclear engineer was hard at work when the earthquake hit. Fifteen miles beneath the surface of the sea, one tectonic plate rumbled beneath another. A slippery clay layer helped the great pieces of crust slide, releasing centuries of stress. The seabed rose up 16 stories, and slipped sideways 165 feet. Ten years later, we're still learning exactly what went wrong—with big implications for both human health impacts and remediation efforts. But even as scientists continue to investigate, Fukushima has changed global energy policy and raised big questions about the future of nuclear energy. National Geographic / [Read more](#)

KOREA: MARINE ENVIRONMENT COMPLEX, PYEONGTAEK AND YEOSU GOVERNMENT CONTROL RESPONSE CENTER



March 12 - The Marine Environment Agency (KOEM, President Park Seung-gi) said on 12 June that it had established the Pyeongtaek Port Control Response Center and the Yeosu and Gwangyang Port Control Response Centers to respond to rapid maritime pollution incidents and strengthen the control capacity of its affiliated pyeongtaek and Yeosu government offices.

The control response center of the public complex is a key facility for disaster prevention response, utilizing the management of preservative materials such as oil defense and water recovery groups, the role of the site management

headquarters, and internal and external marine pollution prevention and control education in the event of a marine pollution attack. The control response center completed this time was established in the Pyeongtaek Port Domestic Port Management Pier and Yeosu Industrial Complex adjacent to the control line mooring facility for rapid control measures in the event of a large-scale marine pollution attack and is expected to play a key role in the control response of Pyeongtaek Port and Yeosu and Gwangyang Port nearby waters. KOEM / [Read more](#)

LEBANON: PRESIDENT AOUN STRESSES LEBANON RIGHT FOR COMPENSATION OVER DAMAGES CAUSED BY OIL SPILL

March 9 - President Michel Aoun stressed on Tuesday that Lebanon adheres right for compensation for environmental and economic damages from the oil spill caused by the 2006 Israeli war. President Aoun remarks were during a meeting with Deputy Special Coordinator in Lebanon and Officer in Charge of the UN Special Coordinator Office Najat Rushdie. The Lebanese president requested Rushdie to include the issue of oil leakage from the shores of occupied Palestine to Lebanese shores in a report that will be discussed by the UN Security Council on March 18 on Resolution 1701. Almanar / [Read more](#)

NIGERIA: BUHARI INAUGURATES GOVERNING COUNCIL, BOT ON Ogoniland REMEDIATION PROJECT

March 12 - President Muhammadu Buhari on Friday inaugurated a 13-member Governing Council and a 10-member Board of Trustees of the Ogoni Trust Fund on Hydrocarbon Pollution Remediation Project (HYPREP). Buhari, while inaugurating the bodies in Abuja, said that the project was for the benefit of the impacted communities in Ogoniland and the nation at large. World Stage Group / [Read more](#)

RUSSIA: INDIGENOUS PEOPLES CALL ON NORNICKEL'S GLOBAL PARTNERS TO DEMAND ENVIRONMENTAL ACTION

March 11 - Pollution from the factories in Norilsk has for decades ranked top in global air pollution, and a recent oil spill caused anger all the way to President Putin's office.

Nornickel claims it has environment as a top priority, with comprehensive plans to further reduce air pollution. That priority is questioned by indigenous peoples who feel they are taking to a wall. "No, Nornickel does not invite to meetings and conferences," said Pavel Sulyandziga when asked by the Barents Observer about his indigenous group's dialog with the metallurgical giant. The Barents Observer / [Read more](#)

USA: LATEST NEWS REPORTS FROM NOAA OR&R

March 7 – Please click on the links below to read the latest News Reports from NOAA OR&R

[Fishing for Energy Partnership Announces 2021 Request for Proposals](#)

On February 25, the National Fish and Wildlife Foundation (NFWF), a partner of the NOAA Marine Debris Program, announced the [2021 Request for Proposals\(link is external\)](#) for the [Fishing for Energy Partnership](#)

[Registration Open: SHORELINE21 Workshop](#)

The NOAA Office of Response and Restoration's [Disaster Preparedness Program](#) has partnered with the [University of Florida Center for Coastal Solutions\(link is external\)](#), the [National Science Foundation\(link is external\)](#), and other partners to host the Shared Operational Research Logistics in the Nearshore Environment, [SHORELINE 21 workshop\(link is external\)](#) on April 26-27 from 9am-5pm ET. More information on the workshop and a full agenda can be viewed [here\(link is external\)](#). You can register for the workshop [here\(link is external\)](#).

[Marine Debris Program Presents at 2021 Virtual Virginia Marine Debris Reduction Plan Leadership Team Workshop](#)

On February 23, the Marine Debris Program Mid-Atlantic Regional Coordinator Christy Kehoe participated in a workshop to update Virginia's Marine Debris Reduction Plan.

[New Scientific Support Coordinator/Regional Preparedness Coordinator in New England](#)

Effective March 1, William (Willie) Whitmore is the new Northeast Region Scientific Support Coordinator/Regional Preparedness Coordinator (SSC/RPC). Willie covers planning and response to spills from the Canadian border to New York, and supports USCG District One and USCG Sectors Northern New England, Boston, Southeast New England, Long Island, and New York.

[Staff from the OR&R Disaster Preparedness Program Develop Interim COVID-19 After Action Report for NOAA](#)

At the start of the COVID-19 pandemic, the NOAA Homeland Security Program Office (HSPO) stood up an After Action Reporting/Lessons Learned Unit led by Katie Krushinski and Charles Grisafi from the Office of Response and Restoration's [Disaster Preparedness Program \(DPP\)](#).

USA: TRUMP POLICY THAT WEAKENED WILD BIRD PROTECTIONS IS REVOKED

March 8 - The Biden administration on Monday reversed a policy imposed under former President Donald Trump that drastically weakened the government's power to enforce a century-old law that protects most U.S. bird species.

USA: DEEP-SEA 'ROOMBAS' WILL COMB OCEAN FLOOR FOR DDT WASTE BARRELS NEAR CATALINA



Photo: The Sally Ride, one of the most technologically advanced research ships in the country, will serve as a control center for two underwater robots tasked with combing and mapping the seafloor. (Erik Jepsen / UC San Diego)

March 10 - When Californians learned in October that the waters off Santa Catalina Island once served as a dumping ground for thousands of barrels of DDT waste, the ocean science community jumped into action.

On Thursday, the ship left San Diego and headed for the San Pedro Basin, where 31 scientists and crew members will spend the next two weeks surveying almost 50,000 acres of the seafloor — a much-needed first step in solving this toxic mystery that the ocean had buried for decades. Los Angeles Times / [Read more](#)

ISCO NEWS

UPDATED “WELCOME TO MEMBERSHIP” LETTER

When a company or individual applies to become a member of ISCO a “Welcome to Membership” letter is sent with important information which is regularly updated – but existing members may not be aware of the updated information. To help correct this, we will from time to time provide a link to allow members to look at the latest version – you can view this at <https://spillcontrol.org/wp-content/uploads/sites/82/2020/09/Welcome-New-Member-March-2021.doc>

Some recent changes –

- (1) Access to the ISCO Directory of Supplies and Services has been temporarily suspended while work is ongoing to upgrade

this part of the website. This should soon be complete and an announcement will be made here in the ISCO NEWS section as soon as the Directory is relaunched.

- (2) When a company or individual applies to join ISCO quite a lot of admin work has to be done by the Secretariat in order to complete the joining process. Up to now we have always accepted applications in good faith and processed them immediately but we have received quite a number from applicants who have never paid for their membership. To prevent a lot of unnecessary work and postage costs applicants will now be required to pay before Membership Certificates are issued.
- (3) New applicants will not be able to access the Members' Area of the website until membership dues have been paid.

NEW TECHNICAL ARTICLE: THE GROUNDLINE ANCHORING SYSTEM – AN INNOVATION THAT SUCCESSFULLY PROTECTED ITALIAN HOLIDAY BEACHES

Although this article relates a particular case history the use of the Groundline Anchoring System has a wider application and can provide a highly reliable way to deploy a semi-permanent shoreline protection boom in shallow waters. The system is particularly useful in situations where conventionally deployed booms can be destroyed or washed ashore during bad weather conditions. The Groundline Anchoring System can be used with different kinds of booms. This system can be set up to allow for access when required or an open gateway that can be closed quickly. Gate risers are joined by a pennant underwater at a depth to allow vessels draft to clear. This pennant retains the integrity of the floating configuration. Ground-lines can be any length required there is no limit.

This article is now available for downloading in the Members' Area of the ISCO website in the Technical and Reference Section under Technical Articles. The author is George Ross, a well-known and respected figure in the international spill response community.

ISCO'S MARCH 2021 ZOOM MEETING

Our next Zoom Meeting will be on Thursday 25th March at 1500 EDT and 1900 GMT or Friday 26th March at 0600 AEDT (or the equivalent date and time in your own region). **Note: Around this time some regions may be changing to Daylight Saving Time, so please double check to make sure you have the correct time for your area – The meeting is being hosted in Detroit and the actual time of the meeting will be 1500 EDT.**

The agenda and Zoom meeting access information will be published in next week's ISCO Newsletter.

NEWS FROM ISCO MEMBERS

FASTANK FOR THE BRITISH ANTARCTIC SURVEY 2021 OPERATIONS



A FASTANK® has been purchased by British Antarctic Survey and will be joining the crew on board the recently commissioned RRS Sir David Attenborough due to set sail to the Antarctic in autumn 2021.

British Antarctic Survey have been using FASTANKs as part of their operations in the Antarctic for more than 20 years. The tanks are used for water storage and environmental protection.

Benefits of FASTANK are that it can be easily transported to remote locations, suitable for all extreme climates and packages to a small size which is ideal when on board a ship or where storage space is at a premium. The aluminium frame is preferable to steel in extreme low temperatures as it does not embrittle.

The RRS Sir David Attenborough has recently completed its sea trials along the North coast of Northern Ireland as it prepares to sail for a first mission to the Antarctic.

We wish all who sail in her and FASTANK "Bon Voyage". FASTANK / [Read more](#)

[Read the BBC Report on the British Antarctic Survey vessel RRS Sir David Attenborough sea trials off the coasts of Scotland and Northern Ireland.](#)

LAMOR ACQUIRES HARBO TECHNOLOGIES EXCLUSIVE LICENSING RIGHTS



Lamor Corporation is pleased to announce the acquisition of the exclusive licensing rights to Harbo Technologies' product line. Their rapid response oil spill solutions will be a great addition to an already strong response product and solution portfolio.

Harbo's oil spill first response system enhances the entire oil spill response process and boosts clean-up efficiency. By responding 8X faster, our technology enables increased oil recovery rates and drastically reduces damage.

Every minute is critical during an oil spill, so HARBO's philosophy is to provide a solution which can be quickly and

easily deployed. The Harbo boom can be stored on vessels, offshore rigs, harbour facilities or anywhere a spill could occur. A good example is using a fire extinguisher while the fire brigade is on the way. A fast, safe and efficient response can more quickly stop a spill from spreading, saving money, your reputation and the environment. LAMOR / [Read more](#)

Comment from Boaz Ur of Harbo Technologies – "HARBO is pleased to announce that Lamor acquired exclusive licensing for HARBO First Response products T6, T25 and T15. With Lamor's global reach and extensive customer base, we expect that the vision of enabling first response everywhere a spill can happen will materialize much faster."

ISCO MEMBER AQUA-GUARD SERVING CLIENTS IN THE CARIBBEAN AND LATIN AMERICAN REGION SINCE 1992

Since 1992, Aqua-Guard is proud to support our long list of clients throughout the Caribbean and Latin America. Our expertise includes involvement with specialized training, services and equipment packages that meet both local and international environmental standards.

Aqua-Guard's team of highly experienced technicians, speaking both Spanish and Portuguese, work constantly on the ground with energy companies, local governments and response organizations (OSROs).

All aspects of spill response are undertaken from preparedness, real-time response and final remediation and cleanup. For further information, please contact us at sales@aquaguard.com

Aqua-Guard se enorgullece en apoyar a nuestra extensa lista de clientes en Latinoamérica y el Caribe desde 1.992. Nuestra experiencia incluye el diseño particular de los equipos, su suministro y las capacitaciones especializadas que cumplen con los estándares ambientales locales e internacionales.

El equipo de técnicos altamente experimentados de Aqua-Guard, que hablan español y portugués, trabaja constantemente de la mano con las empresa de Petróleo y Gas, los gobiernos locales y las organizaciones de respuesta (OSRO). Todos los aspectos de la respuesta a derrames se llevan a cabo desde la capacitación, la respuesta, la remediación y la restauración final.

Para obtener más información, contáctenos al correo electrónico: sales@aquaguard.com

SCIENCE & TECHNOLOGY

AUSTRALIA CAME UP WITH A WAY TO SAVE THE OCEANS FROM PLASTIC POLLUTION AND GARBAGE

Government authorities from the Australian city of Kwinana have recently installed a new filtration system in the Henley Reserve. This is something that many countries have been attempting to do for years now. The best part is, this system is unbelievably simple, effective, and helpful. In just a short while, the citizens and officials have seen the benefits of using it. Everyone is quite pleased with the outcome. It is truly helping to prevent plastic from polluting our oceans.

The system consists of a net that is placed on the outlet of a drainage pipe. This net then catches all the large debris and protect the environment from contamination of garbage. When the net gets full, they simply pick it up, and empty it into special trucks. The

trucks deliver the garbage to a sorting center where it is then separated into items that can be recycled, and items that cannot.



This new filtration system managed to catch more than 800 pounds of garbage within a few weeks! The city authorities had first installed just 2 nets. But then, they were so amazed by these phenomenal results that they had more of these litter “traps” installed everywhere they could. Now they are all over the city minimizing the pollution to the wildlife and surrounding environment by truck-fulls. Intelligent Living / [See more photos and read more](#) [Thanks to Capt. Bill Boyle, MNI, Hon.FISCO]

Member of ISCO Council for Australia, John Wonham, has looked further into this device and has reported - “ I found this on boredpanda (<https://www.boredpanda.com/drainage-nets-catching-trash-kwinana-city>). It is also on BabaMail (Ba-bamail.com) and other sites. Apparently it was posted on the City of Kwinana Facebook page about two years ago. I cannot locate the original source.

The system illustrated is the StormX netting system manufactured (under licence) in the US (stormwatersystems.com). They do not seem to be the designers of the system and there are a number of manufacturers and suppliers around the world.

The system was apparently developed in Australia and has been used here for 15 years or so. It is known here as the “Pratten Trap”. It was developed by a Jack Pratten who owns Stormwater Systems Australia (inc NSW). The local website seems to have gone (it is now Dredging Systems website run by Anton Pratten). The Australian company still exists.

All a bit confusing but the system is out there and seems to be highly regarded – I’m not sure who should be cited as a contact point for anybody that wants to follow up the story or product. I cannot locate a central website for the system”.

CEDRE: ANIMAL FAT IN THE POLLUDROME

As part of Cedre’s work on the behaviour of different substances spilt in water, an experiment was conducted on animal fat in the Polludrome®.

This trial follows on from the study launched in 2020 on bio-feedstocks that are now used in new generation refineries to produce biofuels such as HVO (Hydrotreated Vegetable Oil). The behaviour trial consisted in releasing 20 litres of fat heated to 60°C (its transport temperature) and monitoring the evolution of its physical and chemical properties over a 7-day period.

Visually, this substance showed a behaviour close to that of vegetable oil, i.e. solidification of the slick which rapidly fragments to form balls less than 10 cm in diameter that continue to float with low emulsification. Biodegradability and ecotoxicity trials on marine bacteria will supplement the physico-chemical tests.

The conclusions of this study will lay the groundwork for recommendations to define the most appropriate response strategies. [Read more in the February 2021 Cedre Newsletter](#)

UPCOMING WEBINARS

FREE WEBINARS FROM UK AND IRELAND SPILL ASSOCIATION

Wed, 24 Mar 2021 15:00 GMT [Spill Knowledge Base: Absorbents](#)

Wed, 14 Apr 2021 15:00 BST [Spill Knowledge Base: Marine Dispersants](#)

Wed, 19 May 2021 15:00 BST [Spill Knowledge Base: Storage Tanks](#)

Wed, 16 Jun 2021 15:00 BST [Spill Knowledge Base: Marine Special Equipment](#)

Click on the blue titles for more info on specified webinars. [view our upcoming virtual events here.](#)

OSRL: EXPERT SEMINAR THIS MONTH – EXTREME COLD WEATHER

Thursday 18th March 1400 GMT - A response in extreme cold weather presents a unique set of challenges. Our core group will discuss issues that can be encountered during a cold weather response and how OSRL has prepared for these challenges. [REGISTER](#)

JOIFF CRISIS MANAGEMENT WEBINAR

One of the most common aspects of crisis events is 'denial of access' to normal workplaces and offices. The best equipped crisis command centres can be rendered useless and ineffective if access is not possible. [More info](#)

ALGA – AUSTRALIAN LAND & GROUNDWATER ASSOCIATION

Over 100 Webinars can be accessed - <https://landandgroundwater.com/webinars>

ONLINE AND OTHER TRAINING COURSES

CEDRE: "FIGHTING ACCIDENTAL OIL POLLUTION AT SEA AND ON THE COAST - LEVEL IMO 2"

Session in English: March 15-19, 2021 Sessions in French: April 19-23, 2021 & May 31 to June 4, 2021 [More info](#)

EMPIRE EGYPT - OIL SPILL RESPONSE - 1 DAY FOUNDATION COURSE

1 Day online self-paced training program which provides a foundation knowledge and skills for on-site first response to oil spills with the emphasis on combating and the various clean-up methods, supported by exercises and quizzes. A Certificate of Completion will be issued for candidates who pass the final assessment exam.

[More info](#) For ISCO members and readers a 50% discount is available until 31 March 2021. Using the code: ISCO50

LLOYDS MARITIME ACADEMY – CERTIFICATE IN MARINE POLLUTION PREVENTION & MANAGEMENT

Our [Certificate in Marine Pollution Prevention and Management](#) is a powerful tool that can help make a positive change in your career and a real difference for the marine environment. All you need to do is submit your application as soon as possible to secure one of the few remaining spots on this course.

LLOYDS MARITIME ACADEMY – CERTIFICATE IN OIL SPILL RESPONSE

Our [Certificate in Oil Spill Response](#) starts on 14th April, and we wanted to remind you why this course is essential for you. This 12-week distance learning course has been designed in line with the IMO's International Convention on Oil Pollution Preparedness, Response and Co-operation (OPRC), therefore it's your chance to get the best knowledge you can in oil spill safety and effective emergency response.

USA: HAZARDOUS MATERIALS CODE ENFORCEMENT P0615

June 13-18 2021. Emmitsburg, Maryland. 6-day on-campus - This six-day course is designed to guide students in gaining and sharing the knowledge, skills and abilities to effectively recognize and analyze hazardous materials risk, classify the materials, and apply the codes, standards, and regulations to prevent incidents and mitigate threats to life and property. [More info](#)

INTERTANKO : NEW ENCLOSED SPACE SAFETY VIDEO LAUNCHED

March 5 - The International Group of P&I Clubs has launched a new enclosed space safety video, drawing attention to the risk of

ONLINE AND OTHER TRAINING COURSES (CONTINUED)

fatalities caused by entering enclosed spaces on board ships.

The loss prevention units of the 13 IG clubs (i.e. the ex-seafarers who provide advice and guidance on technical matters to shipowner members of the clubs) worked in collaboration with a media company to produce the animation – and while the central tenet focuses on seafarers, the message applies equally to stevedores and surveyors who are among those to die in these tragic circumstances.

The issue is hugely important and the IG is very keen to play a part in the mitigation of preventable deaths on board ships.

The animation is available on the International Group website [Enclosed Space Entry - The International Group of P&I Clubs \(igpandi.org\)](#) and has been added to the Group's [LinkedIn](#) channel.

ALGA: PFAS 101 TRAINING MODULES

These training modules, prepared by members of ALGA's Emerging Contaminants of Concern Interest Group (EmCoC IG), consists of 9 online modules covering aspects of PFAS from health risk and community consultation to investigation and remediation.

The content for the modules has been developed with a principally Australian and New Zealand focus, but also draws examples of best practice from around the world, making it up to date, expansive yet locally relevant. [More info](#)

CONTRACTS, TENDERS AND BUSINESS OPPORTUNITIES

REQUEST FOR TENDER FROM NORWEGIAN CENTRE FOR OIL SPILL PREPAREDNESS AND MARINE ENVIRONMENT

The Norwegian Centre for Oil Spill Preparedness and Marine Environment has published a request for tender on behalf of Statlig samarbeidsforum for FoU oljevern.

A literature study of recovery numbers to assess the effectiveness of mechanical recovery of oil in the marine environment from historic oil spill events will be conducted.

The goal of this study is to obtain reliable figures for mechanical recovery based on documented experiences drawn from historic events. The tender documents have been published <https://www.mercell.com/en/tender/151034911/utredning---erfaringer-med-effektivitet-av-mekanisk-opptak-ved-oljeutslipp-tender.aspx>, and we would like to share this information with the international spill control community.

We aim to reach out to potential suppliers both nationally and internationally, and we consider the ISCO Newsletter as a relevant communication medium to help spread the word.

The Norwegian Coastal Administration, the Norwegian Environment Agency and the Norwegian Center for Oil Spill Preparedness and Marine Environment are cooperating in Statlig samarbeidsforum for FoU oljevern.

The purpose of the forum is to promote more environmentally friendly and efficient national oil spill preparedness and response. By identifying and promoting knowledge gaps and research needs the forum shall foster coordinated and cost-effective research and development initiatives of high relevance to operational preparedness and response.

If you have any questions, please give me a call or send me an e-mail. Ingvild Skeie Liland ingvild.skeie.liland@marintmiljo.no

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 and US EPA Tech Direct.

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.

Readers are welcome to post tender invitations in this section.

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
VIRTUAL EVENT	March 15-18	OSPAR Commission – Environmental Impact of Human Activities 2021	Online
VIRTUAL EVENT	March 22-26	IMO Sub-Committee on Pollution Prevention and Response (PPR)	Online
VIRTUAL EVENT	March 23	CEDRE Information Day on Containers	Online
VIRTUAL EVENT	March 29-31	Meeting of the IOPC Funds' governing bodies	Online
USA	May 9	APICOM GM Meeting	New Orleans LA
NETHERLANDS	May 11-12	Envirotech for Shipping Forum	Rotterdam
VIRTUAL EVENT	May 10-13	International Oil Spill Conference (IOSC 2021)	Online
VIRTUAL EVENT	May 20-21	European Maritime Day	Online
VIRTUAL EVENT	May 25-27	Fourteenth Meeting of the Focal Points of the Regional Marine Pollution Emergency Response Centre for the Mediterranean Sea (REMPEC)	Online
UAE	April 6-7	HSE Forum UAE 2021	Dubai
VIRTUAL EVENT	April 8	IMO Council Meeting	Online
VIRTUAL EVENT	June 8-9	Environment Analyst Global Business Summit 2021	Online
VIRTUAL EVENT	June 8-10	43rd AMOP Technical Seminar on Environmental Contamination and Response	Online
USA	June 8-10	Elastec Spill Workshop 2021	Carmi, IL
TUNISIA	June 15	Training on Readiness Evaluation Tool for Oil Spills	Hammamet
TUNISIA	June 16-17	Regional Workshop on Oil Spill Waste Management	Hammamet
USA	August 17-18	Clean Pacific Exhibition & Conference	Renton, WA
USA	September 7-10	Hazmat Emergency Response Workshop	Sacramento, CA
USA	Sept. 13-15	Clean Waterways Conference & Exhibition	Louisville, KY
CROATIA	October 26-28	Regional Workshop – Enhancing Preparedness and Response in the Adriatic & Mediterranean Regions	Opatija
CROATIA	October 29	MOIG General Assembly Meeting	Opatija
USA	Nov. 16-18	Clean Gulf Conference & Exhibition	San Antonio, TX
BAHREIN	Nov. 28-30	International Conference & Exhibition on Spills, Clean Seas & Environment	Bahrein

Please advise the Editor if any of the above entries require correction or updating. John.mcmurtrie@spillcontrol

MESSAGES FROM EVENT ORGANISERS

USA: NEW DATE FOR CLEAN PACIFIC CONFERENCE & EXHIBITION

CLEAN PACIFIC is now scheduled for August 17-18, 2021 at the same beautiful lakefront venue, Hyatt Regency Lake Washington, in Renton, WA. Based on survey feedback we received from the CLEAN PACIFIC community, we feel that moving the event to August will allow us to push forward and safely return live and in-person. We are currently in the planning stages and the team will be working closely with the Hyatt Regency and all of our event vendors to ensure the strictest safety protocols are in place to keep our attendees and partners safe. A new website for Clean Pacific with more information will soon be available.

USA: FROM IOSC – “THE MOST PRESSING TOPICS IN OIL SPILL RESPONSE”

Only at **IOSC 2021** can industry, non-profit, and government officials virtually convene to exchange best practices and lessons learned on prevention, preparation, and response to oil spills. Together, we can tackle the greatest challenges facing us with sound science, practical innovation, social engineering, global research, and imagination.

From Short Courses to panel discussions, informative research, and case studies and the ever popular Film Festival, IOSC 2021 continues to deliver the latest research and resources in the community today.

MESSAGES FROM EVENT ORGANISERS (CONTINUED)

Short Course Schedule:

Add a pre-conference Short Course to your registration to take a deep dive into the most pressing topics in oil spill response with industry experts representing industry, academia and government. All times below are listed in Eastern Daylight Time.

Monday, May 3

Fundamentals of Oil Spill Response 8:00 A.M – 5:00 P.M. Trainers: ITOPF

Regulatory Programs: Facility Response Plans 1:00 P.M – 5:00 P.M. Trainers: US EPA

Tuesday, May 4

Oil in the Aquatic Environment: Sources, Fate, Effects, Monitoring and Response Options 8:00 A.M – 5:00 P.M.
Trainers: Consortium of experts

Slow Water and Fast Water Booming Techniques 1:00 P.M – 5:00 P.M. Trainers: US EPA

Wednesday, May 5

Coastal Shoreline Cleanup Assessment Technique (SCAT) 8:00 A.M – 5:00 P.M. Trainers: OSRL, Owens Coastal Consultants, Polaris Applied Sciences and University of New Orleans

Spill Prevention, Control and Countermeasure Rule 1:00 P.M – 5:00 P.M. Trainers: US EPA

Thursday, May 6

Safety and Health Awareness Training for Oil Spill Response and Cleanup Workers 8:00 A.M – 12:00 P.M. Trainers: OSHA, NIEHS

Oil Spill Response 201: Beyond the Basics 8:00 A.M – 12:00 P.M. Trainers: ExxonMobil & OSRL

Basic Oil Forecasting and Modeling 1:00 P.M – 5:00 P.M. Trainers: NOAA, SINTEF, RPS

Readiness Evaluation Tool for Oil Spills (RETOS®) 1:00 P.M – 5:00 P.M. Trainers: Polaris Applied Sciences, ARPEL, and Affiliate

Friday, May 7

Aerial Observations of Oil: For Pollution Responders 8:00 A.M – 12:00 P.M. Trainers: NOAA

An Introduction to the Environmental Unit (EU) for Non-EU Personnel 1:00 P.M – 5:00 P.M. Trainers: NOAA, Texas GLO, Ramboll, others.

REGISTRATION Secure your spot before the Early Bird registration deadline on April 2, 2021.

LINKS FOR DOWNLOADING AND READING OTHER PUBLICATIONS

AMSA Update	Latest News from the Australian Maritime Safety Authority	Current issue
ATRAC Newsletter	News from the Adriatic Training and Research Centre	October 2020
AUSMEPA Bulletin	News from the Australian Marine Environment Protection Assoc'n	Summer 2020
BIMCO Bulletin	Marine and shipping-related news from BIMCO	March 2021
Newsletter from George Holliday	News and commentary on HSE issues from George Holliday	Free on request
Cedre Newsletter	News from Cedre in Brittany, France	January 2021
EMSA Newsletters	News from the European Maritime Safety Agency	Current issue
Environmental Expert	Environmental News from Environmental Expert	Current issue
GDACS Newsletter	Daily alerts for natural disasters – earthquakes, floods, typhoons, etc.	Free on request
GEF Newsletter	Monthly Newsletter from the Global Environment Facility	Subscription
GESAMP	Group of Experts on the Scientific Aspects of Marine Environmental Protection	Latest news
GISEA Quarterly Newsletter	News from Global Initiative for South-East Asia	Q3 2020
IMO News Magazine	News from the International Maritime Organization	Autumn/Winter 2020
IMO Publishing Newsletter	New and forthcoming IMO publications	September 2020
ITOPF Ocean Orbit	News magazine from ITOPF with interesting spill response articles	February 2021
JOIFF Catalyst Newsletter	Int'l Organisation for Industrial Hazard Management	Q1 2021 issue
Maritime Executive Magazine	Often contains articles of interest to the spill response community	Current issue
MEDNEWS	News from UNEP Mediterranean Action Programme	02 / 2020
MOIG Newsletter	News from the Mediterranean Oil Industry Group	February 2021
NCEC Newsletter	News from the National Chemical Emergency Centre	December 2020
Navigate Response	Global crisis communications network for shipping & marine	Current issue
NOAA OR&R	Weekly round-up of news from NOAA's Office of Response & Restoration	Latest issue
Oceanbuzz	Newsletter giving news on the Ocean Technology Industry	Current issue
OCIMF Newsletter	News from the Oil Companies International Marine Forum	Current issue
OHMSETT Gazette	Oil Spill Response Research & Renewable Energy Test Facility Quarterly	Autumn 2020
Oiled Wildlife Log	Bi-annual Newsletter from Tri-State Bird Rescue & Research	January 2021
OSPAR Newsletter	Protecting & Conserving the N.E. Atlantic and its resources	End of year 2019

LINKS FOR DOWNLOADING AND READING OTHER PUBLICATIONS (CONTINUED)

PEMSEA Newsletter	Healthy oceans, people and economies in the East Asian Seas	Current issue
Pollution Online Newsletter	News for pollution prevention & control professionals	Current issue
Salvage World	Quarterly Newsletter of the International Salvage Union	Current issue
Sea Alarm Foundation Newsletter	Oiled wildlife Preparedness and Response news from Sea Alarm	Current issue
Society of Maritime Industries	News from the UK's maritime engineering and business services sector.	October 2020
Spill Alert	Quarterly Newsletter from UK & Ireland Spill Association	December 2020
Technology Innovation News Survey	News from US EPA – Contaminated Site Decontamination	Jan. 16-31, 2021
The Maritime Advocate	Maritime News from Sandra Speares	Current issue
UNEP News	Latest News from United Nations Environmental Programme	Latest News
USA EPA Tech Direct	Remediation of contaminated soil and groundwater	March 1, 2021
Water Pollution & Flood News	Monthly round-ups of UK & Worldwide Spill and Flood News	Free on request
WestMOPoCo	Western Mediterranean Region Marine Oil & HNS Pollution Co-operation	November 2020

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 if any of the links are not up-to-date.

INCIDENT REPORTS

USA: NOAA OR&R SUMMARY OF INCIDENT RESPONSES FOR FEBRUARY 2021

Every month our [Emergency Response Division](#) provides scientific expertise and services to the U.S. Coast Guard on everything from running oil spill trajectories to model where the spill may spread, to possible effects on wildlife and fisheries and estimates on how long the oil may stay in the environment.

This month OR&R responded to 19 incidents, including oil discharges, grounded vessels, and other pollution-related incidents.

Here is the complete list of last month's incidents, click on the links to find out more:

- [M/V Roger Blough Vessel Fire](#)
- [Mystery Spill](#)
- [Styrofoam debris](#)
- [FV Seabrook Discharge](#)
- [Barge Shauna Kay](#)
- [Chevron Pipeline Spill](#)
- [S2 Energy MP 21 Spill](#)
- [Foss Harbor Marina Fire](#)
- [F/V Terry F](#)
- [Orphan Drum, Warrenton Jetty Lagoon](#)
- [F/V Aleutian Falcon](#)
- [Wales School Fuel Spill](#)
- [F/V Coastal Reign](#)
- [ITV BEARCAT MM 591 Loudon, TN](#)
- [Vegetable Oil Release, Caret, VA](#)
- [Disabled S/V Plan B Adrift](#)
- [FV Haida Lady](#)
- [Bulk grain cargo barges MS River](#)
- [Right Whale Carcass Trajectory, South Carolina](#)

ISRAEL: SHORELINE POLLUTION (CONTINUED)

March 7 - Oil Spill: Israeli Minister Sticks To "Eco-Terror" Claim But Gantz Says "No Evidence" [The Yeshiva World](#)

March 12 - Israel's beaches see more tar as oil spill consequences continue. The Environmental Protection Ministry has estimated that the amount that washed up is a small amount of what is still in the ocean: 1,200 tons. [The Jerusalem Post](#)

March 13 - Israeli special forces have been accused of repeated sabotage against Iranian shipping in international waters, targeting oil tankers apparently with the knowledge of the US. The attacks caused at least one big oil spill, in the Red Sea in October 2019, according to reports from Washington. Another spill, along the Israeli and Lebanese coasts in the past month, was blamed by Israeli politicians on a tanker [carrying crude oil from Iran to Syria](#) but will now be viewed in a different light. [The Times](#)

MAURITIUS: CHINESE LONGLINER RAN AGROUND ON REEFS WEST OF PORT LOUIS

March 7 - Chinese longliner LU RONG YUAN YU 588 ran aground on reefs of Pointe-aux-Sables, west of Port Louis, Mauritius probably being caught in rough seas. [The Maritime Bulletin](#)

March 8 - No oil leak, there are some 130 tons of fuel on board. [The Maritime Bulletin](#)

March 9 - On Monday, Fisheries Minister Sudheer Maudhoo said divers had found "no leak, no breach" in the hull of the ship and that efforts would be made to safely remove the fuel from the hold. [Aljazeera](#)

March 9 - Mauritius pumps fuel from Chinese ship that ran aground [ABC News](#)

SAUDI ARABIA: LARGEST OIL PORT UNDAUNED BY HOUTHİ REBEL SHELLING

March 8 - Saudi Arabia's oil port was briefly shelled over the weekend. The Ras Tanura port, which is one of the world's largest oil ports, suffered only minor damage according to Saudi officials and remained fully operational. [The Maritime Executive](#)

LEBANON: SEA TURTLES IN DANGER AS OIL SPILL HITS LEBANON

March 9 - According to Lebanon's National Council for Scientific Research, tar-laden waves smashed up to 70 meters (230 feet) above the waterline, and the destruction is not limited to the south. The report said that the soft black substance has spread from Naqoura, near Israel, to the beaches of Beirut in the north. Worse, the clumps are between 50cm and 0.5cm in size, too small to be filtered out but large enough to disperse toxins into the sand. [Nature World News](#)

March 13 - Israeli attacks on Iranian tankers possibly caused oil spill near Lebanese coast. A massive oil spill last month near the Israeli and Lebanese coasts may have been caused by Israel's targeting of an Iranian tanker, following a series of similar suspected attacks. [The New Arab](#)

USA: CALIFORNIA - SALVORS ASSESS SPILL RISK FROM GROUNDED FISHING VESSEL IN MARIN COUNTY

March 10 - Salvage crews are working to prevent a possible spill from the grounded fishing vessel American Challenger, which went onto a rocky beach in Bodega Bay, California on Friday morning. [The Maritime Executive](#)

March 12 - Salvage experts mull plan for wrecked fishing boat on Marin coast, with cost a key concern. Efforts so far have included environmental surveys and some oil clean-up; thousands of feet of oil boom laid in Tomales Bay and elsewhere to protect sensitive habitat and commercial oyster beds. [The Press Democrat](#)

MEDITERRANEAN: ISRAEL TARGETED SOME 12 TANKERS HEADED FOR SYRIA, US OFFICIALS SAY

March 12 - US and regional officials have accused Israel of targeting "at least a dozen" tankers bound for Syria and mostly carrying Iranian oil due to concerns that petroleum profits were funding extremists, the Wall Street Journal reported on Thursday.

The report alleged that since 2019, Israel has been using naval weapons, including water mines, to strike vessels which were either Iranian, or carried Iranian cargo, as they made their way to Syria. [The Jerusalem Post](#)

AUSTRALIA: UP TO SEVEN MILLION LITRES OF POTENTIALLY TOXIC CHEMICALS SPILT AT ALCOA REFINERY IN WESTERN AUSTRALIA

March 14 - A Department of Water and Environmental Regulation spokesman said potentially alkaline mining process material escaped through a hole in the tank floor and entered the secondary containment bund. "The secondary containment bund filled with material and overflowed to the tertiary containment system, with a small amount flowing to unsealed ground within the Wagerup processing area," he said. [News.com.au](#)

ISCO INFORMATION

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From time to time your editor may publish reports or articles that are of interest but might be regarded as controversial. Readers are reminded that views expressed in some reports and articles published in the ISCO Newsletter or on the ISCO website should not be assumed to represent the views of the organization.

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