



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

ISCO EXECUTIVE COMMITTEE

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- Mr Neil Marson, Secretary General (UK)
- Mr John McMurtrie, VP and Editor (UK)
- Ms Mary Ann Dalgleish, VP M'ship (USA)

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- Mr Marc Shaye (USA)
- Mr Dan Sheehan (USA)
- Captain Bill Boyle (UK)
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- Ms Mary Ann Dalgleish (USA)
- Captain Bill Boyle (UK)
- Mr John Wardrop (Australia)
- Mr Marc Shaye (USA)
- Mr Michael Watson (UK)

INTERNATIONAL NEWS

PLEASE CLICK ON THE BANNERS BELOW FOR MORE INFORMATION



Queen Elizabeth II 1926 – 2022



Here in the UK we are joined by countless others around the world in mourning the death of our much loved Queen.

She died at the age of 96 after 70 years of dedicated service to her country and the Commonwealth.

She was the UK's longest reigning monarch and succeeded her father George VI to the throne at the very young age of 25 in 1952.

News of her death on Thursday 8th September 2022 at her beloved home Balmoral in Scotland shocked not only her people in the UK and Commonwealth but people all around the world.

On her 21st Birthday in 1947 she made the following pledge to her people.

"I declare before you all that my whole life whether it be long or short shall be devoted to your service and the service of our great imperial family to which we all belong" This she truly did.

Queen Elizabeth II lived a meaningful life with Dignity, Grace, a Strong Sense of Service, and a Warm Heart, qualities we should all treasure.

On behalf of the Members of the International Spill Control Organisation I send their heartfelt condolences to His Majesty King Charles III and the Royal Family.

Neil Marson, Secretary-General, International Spill Control Organisation.

ISCO AMBASSADORS

(Members with special responsibilities in specified geographical areas)

Carlos Sagrera Latin America (Spanish speaking)
Matthew Sommerville UK London
John Noble UK London & South'ton
Wu Yue China

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Here is the link for joining this group –

<https://chat.whatsapp.com/KMxdW7IEal79namyNibVqg>

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Professional recognition is a visible mark of quality, competence and commitment, and can give you a significant advantage in today's competitive environment. All who have the relevant qualifications and the required level of experience can apply for Professional Membership of ISCO. The organization offers independent validation and integrity. Each grade of membership reflects an individual's professional training, experience and qualifications. You can apply for MEMBERSHIP (MISCO) or FELLOWSHIP (FISCO)

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ISCO NEWS

A NOTE FROM YOUR EDITOR

In his address to the Nation and Commonwealth on Friday 9th September, King Charles III gave us comfort and has pledged to uphold the values and guiding principles followed by our late Queen. It will take time for all of us to fully realise how much we will miss her presence with us.

Our new King and Head of State has for many years demonstrated his strong commitment to the protection of the world's environment and the values held by our community. Long live the King. [Listen to the King's address](#)

NEWS FROM WU YUE, ISCO AMBASSADOR IN CHINA

ISCO congratulates Wu Yue on the award of a major training contract from BP and on your training centre (SIOTEC) winning the World Safety and Health of Asia award. We are also glad to hear about the ongoing co-operation with ISCO's Canadian member Aqua-Guard in the provision of oil spill training courses in China. This kind of international co-operation between ISCO members is a positive contribution towards fulfilling the organisation's aim to increase worldwide preparedness and professional competency.

RECSO ENVIROSPILL CONFERENCE IN BAHREIN

We are pleased to announce that ISCO's Ambassador for London, Mr Matthew Sommerville will be representing the organization at this event. The theme of the conference, which takes place from 11-13 October 2022 is "Sustainable Clean Seas - Readiness, Response, Resilience" and we commend this event to you.

Quite a few ISCO Members will be exhibiting or participating in the conference. ISCO will not have a booth in the exhibition but Matthew is looking forward to seeing you and hopes to interest potential new members in the benefits of ISCO membership.

ISCO AT INTERNATIONAL MARITIME & PORT FORUM IN MEXICO

Carlos Sagrea, ISCO's Representative for Spanish-speaking Latin America will be giving a presentation on "IMO Response to HNS Incidents in the Marine-Port Environment". He will also explain ISCO's role in helping to promote enhanced preparedness for response to marine pollution. Carlos' presentation will be published after the event in the Latin American page on the ISCO website.

ISCO is a co-sponsor of the Conference. Participants will be representatives of maritime and port authorities, organisations and companies from Mexico and other countries in the region.

The International Forum, which will be held in the city of Veracruz (Mexico), has been created by the ISPS Network of Mexico and had its origin 17 years ago in the same port of Veracruz with the 1st Meeting of Maritime and Port Protection of the Port of Veracruz in September 2005, where this technical co-operation mechanism was agreed, to examine aspects of maritime and port protection, as well as to exchange information and experiences in the framework of the implementation of the ISPS code for Mexico and Latin America. <https://www.foropbiplive.org>

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25 ANOS

INTERNATIONAL & REGIONAL NEWS

WORLD MARITIME DAY DATE - SEPTEMBER 29, 2022

World Maritime Day was launched by IMO in 1978. It was originally celebrated on March 17, but in 1980 the observance was moved to the last week of September. Each IMO member state has the right to choose the most suitable date to hold events during the week. The observance is aimed at raising awareness about maritime safety and recognize the achievements of the international shipping industry.



The main event dedicated to World Maritime Day is held at IMO Headquarters in London, United Kingdom. Since 2005, a formal parallel event has been held each year. The parallel event is hosted by an IMO member state. It is not necessarily held on the same date. Each year, the new theme for the day is selected.

IMO encourages its member states to hold events and activities, which focus on the current theme, throughout the entire year. IMO / [Read more](#)

RELEASE OF UPDATED IOPC FUNDS VIDEO

September 7 - The Secretariat has published an updated version of the IOPC Funds' introductory video, which features words from the new Director and members of staff, latest figures and a number of other improvements.

The video, which is available in all three official languages of the organisation, covers the role, structure and activities of the IOPC Funds, as well as an overview of the legal framework behind the international liability and compensation regime. It is intended to provide a general introduction for those not familiar with the organisation and its work and brings all the basic information from reporting of contributing oil to the claims admissibility criteria together in one place. To assist viewers whose first language is not English, French or Spanish and to enable the video to be more accessible, each version includes subtitles.

The video can be found on the About Us section of the IOPC Funds website at <https://iopcfunds.org/about-us/>

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For information contact
Mike Watson at
spillcontrol@mwadigital.com

DNV LAUNCHES ERS™ DRIFT PREDICTION SERVICE TO GUIDE EMERGENCY RESPONSE

September 8 - DNV's Emergency Response Service (ERS™) has launched a new drift prediction feature to mitigate risk with disabled and drifting vessels, and to predict the path of oil spills and floating objects, including man overboard and containers.

An incident onboard a vessel can result in a disabled ship, oil spill, floating cargo or persons drifting in the water to create an unpredictable situation with safety and environmental risk that complicates emergency response.

Shipping companies need to be able to determine the drift paths of floating assets, objects or spilled chemicals at an early stage after an incident so these can be plotted on their own navigational charts to plan a prompt and efficient response when time is of the essence. In many cases, efficient handling of such incidents is significantly increased by having access to a prediction of the associated drift path.

Hellenic Shipping News / [Read more](#)

THE PATH OF MIGRATORY BIRDS CONNECTS US ALL



Photo credit: Eleanor Bentall

September 8 - Patricia Zurita is CEO of BirdLife International, a leading conservation organization that works with 115 national partner organizations and 13 million members to protect birds and their habitats worldwide. In an interview marking BirdLife's 100th anniversary, she shared her vision for how the world can create a healthy environment for healthy societies in the coming century.

We are convening the [BirdLife 100 World Congress](#) in September, gathering conservationists and advocates for the environment to work together on bringing nature back from the brink.

The discussions will cover topics including biodiversity, climate change, conservation finance, and the links between the health of our planet and human health The GEF / [Continue reading](#)

ITOPF WELCOMES IOPC FUNDS TO LONDON HEADQUARTERS

September 8 - ITOPF welcomed the IOPC Funds team to its offices for a day of networking, presenting and sharing experience on recent case studies.

Hosted at its London office, ITOPF team members delivered a presentation on the role of the company and its technical services within the shipping and maritime industry.

IOPC Funds also gave presentations on its functions and how it operates, with an introduction to its new Director, Gaute Sivertsen. ITOPF / [Read more](#)

ALBANIA: UNEP/MAP WELCOMES THE ANNOUNCEMENT OF A PROTECTED AREA IN PORTO-PALERMO BAY

September 2 - The Mediterranean Action Plan of the United Nations Environment Programme (UNEP/MAP) welcomes the decision of the Albanian authorities (dated 29 July 2022) to declare the Porto-Palermo Bay a "Nature Park". The protected area in Porto-Palermo Bay comprises marine and coastal landscapes and covers a total area of 1,694.98 hectares including 1,490.4 hectares of protected marine area. The site encompasses a "core zone", a "traditional use and sustainable development zone" and a "recreational zone". The core zone, which represents a remarkable 25 per cent, is subject to the highest level of protection with strict measures aimed at preserving biodiversity. This is a major achievement in the Mediterranean where "no-take zones" represent a paltry 0.04 per cent of the total basin area. UNEP / [Read more](#)

CANADA PLEDGES FUNDS TO FSO SAFER, VIDEO SHOWS STATE OF DECAY



FSO Safer is a decaying tanker converted to a storage unit anchored offshore in Yemen (IMO photo)

September 7 - Canada has become the latest donor to commit funding to the UN effort to transfer the oil from the decaying FSO Safer anchored off Yemen. The UN continues to slowly chip away to reach its first target having found it slower and more difficult to raise the funding needed to avert what they term an eminent humanitarian and environmental catastrophe.

Canada's Minister for International Development and Minister responsible for the Pacific Economic Development Agency Harjit S. Sajjan announced the country participating in the fund-raising effort that was launched last spring. He said Canada will provide C\$2.5 million (approximately US\$1.9 million) in funding to support the international salvage operation that is being coordinated by the UN. The Maritime Executive / [Read more and watch video](#)

FRANCE: CEDRE – EMERGENCY RESPONSE ACTIVITIES – JULY & AUGUST 2022

September 8 - The team was contacted by the marine pollution correspondent for Upper Corsica after a yacht sank at the Pointe de Malfalcu, with 1,500 litres of diesel and batteries on board.

We also provided remote advice to the MRCC La Réunion after tarballs were discovered on Tromelin Island. We discussed the actions to be taken following pollution of the Seine caused by 200-litre drums of used engine oil with the Yvelines fire brigade.

The marine pollution correspondent for Calvados contacted us in relation to the health risks generated by the sinking of a trawler at the entrance to Ouistreham port.

As in June, the duty team received many requests from MRCCs for drift predictions based on satellite observations (CleanSeaNet) and for an expert opinion on photos in which the origin of the phenomena observed was uncertain (oil or biological phenomena, frequent at this time of year).

Finally, we took part in two MAR-ICE exercises, one organised by EMSA, the other by the German authorities as part of the Balex 2022 exercise. Both scenarios involved containers of chemicals.

[Read more in the Cedre Newsletter for July & August 2022](#)

INDIA: J M BAXI'S VISAKHA JOINS RECORD-BREAKING BEACH CLEANING CAMPAIGN

September 2 - The teams from J M Baxi's Visakha Container Terminal and the Container Freight Station recently joined a Mega Beach Cleaning Campaign led by the Greater Visakhapatnam Municipal Corporation (GVMC) and internationally renowned NGO Parley for the Oceans. The drive took place from 6 AM to 8 AM in the morning, consisting of a record number of 22,000 volunteers, picking up plastic across a 28 kilometre stretch. The drive collected 76 tonnes of plastic waste and trash, overshadowing Israel's October 30, 2020 massive drive in which 18,000 people picked up 62 tonnes of garbage from beaches on the Mediterranean coast, the Sea of Galilee and the Red Sea. Sanitary gloves, T-shirts, drinking water facilities and trash bags were provided to the volunteers by the civic body, while medical teams were also on standby for any emergencies. The waste was segregated and handed over to the GVMC representatives for further processing. The Maritime Executive / [Read more](#)

LIBERIA: RIGHTS GROUPS SEEKS EPA'S INTERVENTION IN MAFRA RIVER POLLUTION, SAYS IT'S AFFECTING WOMEN AND GIRLS

September 7 - Liberia's quest for a revamped economy after 14 years of civil war launched an economic reconstruction strategy. This included the exploration of its rich mineral deposits including iron ore, gold, and diamonds. Unfortunately, this came with cost to communities' health, environmental, social, and political rights.

In a statement signed by Cllr. Margaret M. Nigba, Human Right Defender two civil society organizations said they consider the recent incident with multinational corporation, Bea Mountain Mining Corporation (BMMC), whose activities resulted in a chemical spill of cyanide into the Mafa River – the only water source of 10 communities in the region. This has a detrimental impact including cutting off the basic human right of access to clean and safe water. FPA / [Read more](#)

MAURITIUS AND REUNION REPORT DRIFTING OIL TANKER IS REPAIRED

September 8 - Officials on both the islands of Mauritius and Reunion are breathing a sigh of relief today after a nearly week-long vigil over a broken-down product tanker in their region. While the vessel never came in close range with either island, both nations had been put on alert, offering assistance to the tanker while also reporting that it should not be entering their economic zones.

The 105,715 dwt Ocean Pride 1 is reported loaded with a cargo of 100,000 tons of oil traveling from Curacao and due to arrive in Port Louis, Mauritius. Last Friday, September 2, officials on Reunion that monitor all ocean traffic identified a potential issue with the vessel. The Maritime Executive / [Read more](#)

PERU CREATES COMMISSION TO MONITOR REPSOL REFINERY SPILL

September 6 - Peru's government has established a commission to monitor actions related to environmental damage from January's oil spill at multi-buoy terminal number 2 of the Repsol-controlled La Pampilla refinery. The multisector commission will seek to "guarantee adequate reparation and compensation to the State," according to a supreme resolution. BNAmericas / [Read more](#)

SAUDI ARABIA: SIRC'S SOLUTION TO OIL & HAZARDOUS CHEMICAL SPILLS AT A VERY EARLY STAGE

September 5 – The Saude Investment Recyclig Co., also known as SIRC, has established a new marine emergency response firm named SAIL. It will work towards responding to oil and hazardous chemical spills at a very early stage along the coastline of Saudi Arabia, the Red Sea and Arabian Gulf using marine monitoring. M Fame / [Read more](#) [Thanks to Dan Sheehan, Member of ISCO Executive Committee]

UK: NEW OCEAN COUNTRY PARTNERSHIP PROGRAMME SCHOLARSHIPS TO TACKLE MARINE POLLUTION AND SUPPORT SUSTAINABLE SEAS

September 6 - Around the world, universities and the people who research within them play a vital role in driving the success of our collective sustainability goals. They produce the robust evidence needed to inform solutions and drive innovation, and their community engagements have galvanised change across the globe.

Today, the Association and Commonwealth Universities (ACU) and the [Centre for Environment, Fisheries and Aquaculture Science \(Cefas\)](#) announce the creation of up to 12 new [Ocean Country Partnership Programme \(OCP\) Scholarships](#), funded through the UK's £500 million [Blue Planet Fund](#).

Hosted by the University of the South Pacific (USP), the OCP Scholarships will focus on tackling marine pollution, enabling scholars to undertake world-class research and innovation in this area.

This first set of scholarships, which the ACU is administering as part of an initial pilot, are being targeted to OCP priority countries in the South Pacific. CEFAS / [Read more](#)

UK: ASSESSING RISK AND RESPONDING TO UK COASTAL AND MARINE POLLUTION

September 8 – Updated Response information and training on countering pollution or threats of pollution from shipping and offshore installations in UK waters. Maritime & Coastguard Agency / [Read more](#)

UK: MARINE POLLUTION SURVEY CONDUCTED BY ACOPS

September 9 - Latest - Advisory Committee on Protection of the Sea (ACOPS) survey on marine pollution in the UK pollution control zone - Annual survey of reported discharges and releases attributed to vessels and offshore oil and gas installations operating in the United Kingdom's exclusive economic zone (UK EEZ) 2017

The surveys collate reported discharges attributed to vessels and offshore oil and gas installations operating in the UK Exclusive Economic Zone. Data for 2018 onwards is currently being compiled and will be uploaded in due course.

[Annual surveys are available on the ACOPS website.](#) Maritime & Coastguard Agency / [Read more](#)

USA: NOAA OR&R “THE POWER OF PARTNERSHIPS”

August 31 - OR&R's Disaster Preparedness Program has a big mission: to ensure the National Ocean Service, partners, and coastal communities are able to effectively prepare for, respond to, and recover from all hazards, including coastal disasters. To accomplish this, we often partner with others who are working toward the same goal. When we work together, we are able to accomplish more by leveraging our resources, expertise, and networks. This creates a win-win scenario and allows us to best serve the public and natural resources that we support.

This year, the Disaster Preparedness Program embarked on a new partnership with the National Sea Grant Office in NOAA's Office of Oceanic and Atmospheric Research. Sea Grant works to enhance the practical use and conservation of coastal, marine, and Great Lakes resources in order to create a sustainable economy and environment. The office is made up of a network of 34 university-based programs across the U.S. that work directly in their communities to address coastal and Great Lakes issues through research, extension, and education. Sea Grant programs are well positioned to support their communities given their proximity to and familiarity with the needs of those they serve.

Sea Grant [announced the selection of three projects](#) led by Hawai'i, MIT, and Wisconsin Sea Grant programs that will receive a total of \$540,000 over two years.

These projects will benefit vulnerable communities by helping them plan for, respond to, and recover from flooding, sea level rise, and oil spills. Disasters will continue to impact the communities we serve, but when we work together, we are able to maximize our impact and help improve the outcome for those affected. NOAA OR&R / [Read more](#)

USA: PETERSBURGH SUES MAKERS OF PFOA THAT POLLUTED TOWN WATER SUPPLIES

September 1 - The town of Petersburg filed a lawsuit this week against 3M, DuPont Co. and several other chemical manufacturers seeking compensation for the contamination of the community's groundwater and drinking water supplies with manmade chemicals that were used at a local plastics company.

The lawsuit alleges those companies distributed the perfluorinated chemicals that contained the "deadly" perfluorooctanoic acid, or PFOA. The materials were used to make products that are resistant to heat and chemical reactions and also known to "repel oil, grease, stains and water." Times Union / [Read more](#)

USA: CSB PROVIDES GUIDANCE ON ACCIDENTAL RELEASE REPORTING RULE

September 1 - This week, the U.S. Chemical Safety Board (CSB) released guidance on the agency's "Accidental Release Reporting Rule," which went into effect in March 2020.

The new guidance is provided so that owners and operators of facilities involved in the production, processing, handling, or storage of chemical substances may better understand the rule and comply with the requirement to submit a report to the CSB within eight hours after an accidental release has occurred that results in a fatality, serious injury, or substantial property damage.

The CSB's guidance document clarifies key terms found in the reporting regulation, such as what constitutes regulated substances for the reporting requirement and the threshold amounts related to property damage for which reporting is required. The guidance also addresses specific scenarios and emphasizes that if an owner or operator is unsure about whether to report a release to the CSB, they should do so, rather than risk violating the rule by failing to report.

The guidance makes clear that while there is no sanction for reporting an accidental release that, in retrospect, did not have to be reported, the failure to make a required report could result in an enforcement action. CSB / [Read more](#)

NEWS REPORTS FROM AROUND THE WORLD (CONTINUED)

USA: HACKENSACK RIVER ADDED TO LIST OF NJ SUPERFUND SITES, TRIGGERING A MILES-LONG CLEANUP

September 7 - For decades an untold accumulation of industrial chemicals — from cancer-causing PCBs to poisonous mercury — leached from the waterfront factories of Bergen and Hudson counties into the lower Hackensack River, where much of it still lies in the riverbed.

Now, something big will be done about it - The U.S. Environmental Protection Agency named the Hackensack River a Superfund site on Wednesday, paving the way for a large-scale cleanup of the river that will likely take years or even decades to complete.

North Jersey News / [Read more](#)

USA: CURRENT NPL UPDATES: NEW PROPOSED NPL SITES AND NEW NPL SITES

September 7 - The National Priorities List (NPL) is updated periodically, as mandated by CERCLA ([CERCLA Overview](#)). The EPA publishes the list of NPL sites in the Federal Register. The EPA published a rule in the Federal Register on September 9, 2022, proposing to add two sites, withdrawing one site from proposal, and adding five sites to the NPL.

- Federal Register [Notice of the Current NPL Proposed Rule 87 FR 55342 \(PDF\)](#) (7 pp, 247 K)
- Federal Register [Notice of the Current NPL Final Rule 87 FR 55299 \(PDF\)](#) (7 pp, 245 K)

The Superfund program publishes documents with each rulemaking adding or proposing sites to the National Priorities List (NPL). Notification and listing of the sites are published in the *Federal Register*. US EPA / [Read more](#)

PEOPLE IN THE NEWS NEWS

WELCOME EDEL TO THE SEA ALARM TEAM!



September 8 - We are very happy to announce a new arrival to the Sea Alarm Team, Edel Shanahan has joined us in Brussels as of September.

Edel is originally from Ireland and holds a Bachelor of Science in Zoology from Trinity College Dublin and a Master of Science in Environmental Management from the Christian-Albrechts University of Kiel, Germany. She also spent time working and conducting research at the Benthic Ecology Unit at the GEOMAR Helmholtz Centre for Ocean Research in Kiel.

Edel joins us from IUCN Europe, where she was responsible for communications, policy and stakeholder engagement with the EU institutions, authorities, industries and NGOs

We are very excited to start working with Edel, whose varied experience in different fields will be a great benefit to our team. With her appointment, the Sea Alarm core team is restored to 4 people after the departure of Christophe Blazy earlier this year.

Sea Alarm / [Read more](#)

NEWS FROM ISCO MEMBERS

Corporate Members and Industry Partners of ISCO can submit news about new products and services in the “News from ISCO Members” section of the ISCO Newsletter.

This is a free facility for Corporate Members. Given that the ISCO Newsletter has a large and highly targeted readership in over 50 countries, it's a cost-effective way to promote your organisation.

If you have some news you would like to share with readers of the ISCO Newsletter, send it to John.McMurtrie@spillcontrol.org

ORACLE ENVIRONMENTAL EXPERTS – INVITATION TO A LIVE DEMONSTRATION



A Message from Paul Guy – “I would like to take this opportunity to invite you or any of your colleagues to attend our UK Demonstration Day.

This event will take place at Three Counties Showground, Malvern, Worcestershire, WR13 6NW and will be held on 6th October 2022 from 10:30 AM to 4:30 PM”.

Our Demonstration Day is an opportunity for us to show you our wide range of capabilities we can provide for you or your clients. The following capabilities will be showcased at the event:

- Soil & Groundwater Remediation
- Mobile Treatment Solution
- Source Removal
- Response Services (Oil Spill –Domestic/Commercial)
- Agricultural Response
- Plastic Pollution Response
- Air Monitoring
- Pollution Prevention
- Expert Witness
- Training Services
- Fresh Water Ecology
- Water Monitoring Services

These capabilities will be demonstrated through a series of live demonstrations, technical presentations, and competitions.

This event is invitation only, a lunch buffet with hot and cold drinks will be provided. RSVP your attendance to myself and should you wish for any additional invitations to be extended to your colleagues or any other industry contacts then please check with myself ASAP. Paul Guy pguy@oracle-environmentalni.com www.oracle-environmental.com

SURFCLEANER STAGES ‘WORLD PREMIERE’ OF SCW 6000 AT IFAT 2022, FOLLOWING FLURRY OF PILOT PROJECTS BACKED BY SWEDISH ENERGY ASSOCIATION



SurfCleaner is staging the World Premiere of its revolutionary new product, the [SCW 6000](#), at IFAT 2022.

The device has been specially designed to improve the management of floating sludge, which presents a notorious challenge for wastewater treatment plants worldwide.

It comes after a flurry of demonstration projects, backed by the Swedish Energy Association. Three SCW 6000 devices are currently being tested across two wastewater treatment sites in Sweden – with another due for installation in Cyprus later in 2022.

Sludge residue is a by-product of wastewater treatment processes. It accumulates in large volumes as solid, semisolid or slurry material. Floating sludge, in particular, is costly, time-intensive and energy-draining to manage, with operators traditionally resorting to manual flushing and pumping with vast quantities of water. The surface-level sludge also rots after around 15-days, releasing noxious odors, presenting biohazard issues for site operators.

IFAT 2022 – running from May 30 to June 03 in Munich, Germany – is recognized as the world’s leading trade fair for water, sewage, waste and raw materials management. The event presents the perfect opportunity to unveil the ground-breaking SCW 6000 technology, following a soft-launch at VA-mässan in Sweden earlier in the year.

More info - <https://surfcleaner.com/> <https://messe-muenchen.de/en/technical/events/ifat-2022.php>

If you are interested in new technology you might find it useful to visit Technology Innovation News Survey at <https://clu-in.org/products/tins/> and Tech Direct at <https://clu-in.org/techdirect/archive/>

RESEARCH BRIEF 332: IMPROVING HOW MICROBES BREAK DOWN PFAS

NIEHS Superfund Research Program (SRP) grantees demonstrated a method to break down per- and polyfluoroalkyl substances (PFAS) into smaller, non-toxic molecules. Led by Yujie Men, Ph.D., of the [University of California, Riverside](https://www.ucr.edu/), the team also showed that some types of PFAS can be more easily degraded than others.

The team explored how microorganisms, such as bacteria, can break the strong carbon-fluorine bonds that hold PFAS together—a process called defluorination. The goal is to transform them into non-toxic products in environments that are anaerobic, or without oxygen, such as groundwater. Their study included 16 different fluorinated carboxylic acids (FCAs), a relatively new group of PFAS.

They observed that unsaturated FCAs, which have at least one double bond between their carbon atoms with a fluorine atom attached to the double carbon bond, were more vulnerable to defluorination under anaerobic conditions. In contrast, saturated FCAs with similar structures were not degraded by the anaerobic microbial community. Saturated PFAS have no double bonds at all.

Podcast - https://tools.niehs.nih.gov/srp/1/podcasts/rb_332_podcast.mp3

PDF File - https://tools.niehs.nih.gov/srp/1/ResearchBriefs/pdfs/SRP_ResearchBrief_332_508.pdf

VIRTUAL INCIDENT COMMAND POST – BEYOND THE HORIZON

The last several years have forced us to change how we do business and how we interact on both a professional and personal level. From seeing family and friends via Zoom so we can stay connected and share special occasions to conducting staff meetings with our co-workers, technology has provided an electronic bridge to span great divides.

We have seen the use of virtual tools in real-time incident response and exercises and drills grow exponentially. This has allowed us to stretch across the globe and increase participation and interaction, adding to our ability to quickly and concisely address incidents in real-time.

Technology has matured beyond just sharing our words via text or Instant Messenger: from simple video conferencing with multiple participants in different locations, to real-time collaboration on documents and projects.

Here at Witt O'Brien's, we have leveraged Microsoft Teams to host a virtual command post, conducting meetings between Federal and State representatives, our Incident Command team, and owners and operators' representatives in some of the largest response operations in the United States in the last year. We have been able to scale up both our electronic footprint and our on-scene personnel to a size that is appropriate for the stage and scale of the incident.

From a pipeline discharge in California to the refloating of a containership in Maryland, Witt O'Brien's has used Teams to different degrees as appropriate.

We were able to disestablish a physical command post and move to a virtual meeting schedule for the Command and General Staff that allowed us to protect the health of responders and reduce the logistical overhead several months before successfully completing response operations. By supporting these larger virtual meetings with both physical and virtual section meetings, we were able to address the Unified Command's objectives, generate Incident Action Plans, and carry out safe operations. Navigate Response / [Read more](#)

GENERATION HEMP LAUNCHES GAS MONKEY SPILL-JACK HEMP PRODUCT LINE



Gas Monkey Spill-Jack is a biodegradable and loose absorbent made from the hemp hurd byproduct that soaks up spills

Generation Hemp CEO Gary Evans said the company began experimenting and testing hemp hurd's efficacy against all the industrial absorbent standards

Gas Monkey Spill-Jack is an all-natural, plant-based, sustainable, and biodegradable loose absorbent made from the hemp hurd by-product that is produced by the company's hemp processing operations.

Proactive Investors / [Read more](#)



A COLUMN CREATED BY DR. MERV FINGAS, MEMBER OF ISCO COUNCIL

This is part of a weekly column which provides the references and abstracts of new peer-reviewed scientific publications on oil spills. These references are selected on the basis of those papers that provide new insights into the fate, effects and control of oil spills. Readers may choose to obtain the full publications and to do so, one of three methods is suggested; contact your library, search the internet with the DOI (digital object identifier) provided, or search the internet for the exact title. These are given in the order of likely success in obtaining the article. Merv Fingas, ISCO Colleague.

128. A rapid gas chromatography quadrupole time-of-flight mass spectrometry method for the determination of polycyclic aromatic hydrocarbons and sulfur heterocycles in spilled crude oils

Filewood, T., Kwok, H., Brunswick, P., Yan, J., Ollinik, J.E., Cote, C., Kim, M., Van Aggelen, G., Helbing, C.C., Shang, D. (2022) *Analytical Methods*, 14 (7), pp. 717-725.
DOI: 10.1039/d1ay02216d

ABSTRACT: Spilled crude oil samples contain various toxic compounds including polycyclic aromatic hydrocarbons (PAHs) as well as sulfur heterocycles (PASHs) and their related alkylated forms (APAHs and APASHs). In this study, a method was successfully developed employing a gas chromatography quadrupole time-of-flight (GC-QToF) mass spectrometer to quantitatively analyze both PAHs/APAHs and PASHs/APASHs in these samples. With GC-QToF, the monoisotopic mass of the compounds is distinguished, allowing the PASHs/APASHs to be extracted separately from the PAHs/APAHs in crude oil. A gas chromatography triple quadrupole (GC-MS/MS) mass spectrometer was also used to confirm that a GC-QToF is the preferred instrument for analyzing these compounds. With the use of PASH/APASH standards to determine response correction factors (RCFs) in relation to PAH standards, the developed method is capable of analyzing PAHs, APAHs, PASHs, and APASHs in a single injection. The use of RCFs allowed for the development of a practical polycyclic aromatic carbon (PAC) method for analyzing a total of 77 compounds of the 2 groups in crude oil. This newly developed method was applied to spilled crude oils, demonstrating its potential in toxicological study as well as oil spill forensic investigation.

129. Dissolved organic matter production from herder application and in-situ burning of crude oil at high latitudes: Bioavailable molecular composition patterns and microbial community diversity effects

Tomco, P.L., Duddleston, K.N., Driskill, A., Hatton, J.J., Grond, K., Wrenn, T., Tarr, M.A., Podgorski, D.C., Zito, P. (2022) *Journal of Hazardous Materials*, 424, art. no. 127598,
DOI: 10.1016/j.jhazmat.2021.127598

ABSTRACT: Chemical herders and in-situ burning (ISB) are designed to mitigate the effects that oil spills may have on the high latitude marine environment. Little information exists on the water solubilization of petroleum residues stemming from chemically herded ISB and whether these bioavailable compounds have measurable impacts on marine biota. In this experiment, we investigated the effects of Siltech OP40 and crude oil ISB on a) petroleum-derived dissolved organic matter (DOMHC) composition and b) seawater microbial community diversity over 28 days at 4 °C in aquarium-scale mesocosms. Ultra-high resolution mass spectrometry and fluorescence spectroscopy revealed increases in aromaticity over time, with ISB and ISB+OP40 samples having higher % aromatic classes in the initial incubation periods. ISB+OP40 contained a nearly 12-fold increase in the number of DOMHC formulae relative to those before ISB. 16S rRNA gene sequencing identified differences in microbial alpha diversity between seawater, ISB, OP40, and ISB+OP40. Microbial beta diversity shifts were observed that correlated strongly with aromatic/condensed relative abundance and incubation time. Proteobacteria, specifically from the genera *Marinomonas* and *Perluclidibaca* experienced -22 and +24 log₂-fold changes in ISB+OP40 vs. seawater, respectively. These findings provide an important opportunity to advance our understanding of chemical herders and ISB in the high latitude marine environment.

SOURCE: Scopus

130. Assessing the effect of oil spills on the dynamics of the microbial plankton community using a NPZD model.

González, J., Fernández, E., Figueiras, F.G. (2022) *Estuarine, Coastal and Shelf Science*, 265, art. no. 107734,
DOI: 10.1016/j.ecss.2021.107734

ABSTRACT: A mesocosms approach was used to assess the seasonal variability and the effect of oil spills on the structure and dynamics of marine microbial plankton communities in a coastal upwelling system. To this aim, four experiments were conducted during the main characteristic periods of the seasonal cycle in the Ría de Vigo (NW of Spain): spring phytoplankton bloom, summer stratification, autumn upwelling and winter mixing. In each of these experiments, enclosed communities in control and oiled bags were monitored and key variables and rates were measured during 9 days. Temporal changes in community structure and function were interpreted applying a simple NPZD (Nutrients-Phytoplankton-Zooplankton-Detritus) model in which the strategy was to maintain invariant as many model parameters as possible. The analysis of those parameters that were modified to accurately simulate the time evolution of the microbial communities in the mesocosms, provided important information about the main processes influencing the plankton

community structure and dynamics in the bags as well as about the effect of oil. This modelling approach allowed assessing the dynamics of the four communities just varying phytoplankton maximum growth rates, bacterial growth efficiencies, microzooplankton grazing rates and phytoplankton sinking rates. Comparison of parameters in control and oiled bags in each period allowed to infer the negligible effect of oil spills on the structure and dynamics of the microbial plankton communities in this coastal upwelling system.

131. Toxicity to sea urchin embryos of crude and bunker oils weathered under ice alone and mixed with dispersant

DeMiguel-Jiménez, L., Etxebarria, N., Reinardy, H.C., Lekube, X., Marigómez, I., Izagirre, U. (2022)
 Marine Pollution Bulletin, 175, art. no. 113345,
 DOI: 10.1016/j.marpolbul.2022.113345

ABSTRACT: A multi-index approach (larval lengthening and malformations, developmental disruption, and genotoxicity) was applied using sea-urchin embryos as test-organisms. PAH levels measured in the under-ice weathered aqueous fraction (UIWAF) were lower than in the low-energy water accommodated fraction (LEWAF) and similar amongst UIWAFs of different oils. UIWAFs and LEWAFs caused toxic effects, more markedly in UIWAFs, that could not be attributed to measured individual PAHs or to their mixture. Conversely, UIWAF was less genotoxic than LEWAF, most likely because naphthalene concentrations were also lower. In agreement, NAN LEWAF, the most genotoxic, exhibited the highest naphthalene levels. Dispersant addition produced less consistent changes in PAH levels and embryo toxicity in UIWAFs than in LEWAFs, and did not modify LEWAF genotoxicity. Overall, under ice weathering resulted in lowered waterborne PAHs and genotoxicity but augmented embryo toxicity, not modified by dispersant application.

132. Quantitative assessment of two oil-in-ice surface drift algorithms

de Aguiar, V., Dagestad, K.-F., Hole, L.R., Barthel, K. (2022)
 Marine Pollution Bulletin, 175, art. no. 113393,
 DOI: 10.1016/j.marpolbul.2022.113393

ABSTRACT: The ongoing reduction in extent and thickness of sea ice in the Arctic might result in an increase of oil spill risk due to the expansion of shipping activity and oil exploration shift towards higher latitudes. This work assessed the response of two oil-in-ice surface drift models implemented in an open-source Lagrangian framework. By considering two numerical modeling experiments, our main finding indicates that the drift models provide fairly similar outputs when forced by the same input. It was also found that using higher resolution ice-ocean model does not imply better results. We highlight the role of sea ice in the spread, direction and distance traveled by the oil. The skill metric seems to be sensitive to the drift location, and drift model re-initialization is required to avoid forecast deterioration and ensure the accurate tracking of oil slicks in real operations.

133. DBWM: A diluted bitumen weathering model

Li, P., Niu, H., Li, S., King, T.L., Zou, S., Chen, X., Lu, Z. (2022)
 Marine Pollution Bulletin, 175, art. no. 113372,
 DOI: 10.1016/j.marpolbul.2022.113372

ABSTRACT: To help better assist the management of Diluted bitumen (DilBit) spills in marine environment, a model named as DilBit Weathering Model (DBWM) was developed in this study to simulate DilBits weathering in marine environment. The DBWM was developed based on specific algorithms for evaporation, dispersion, biodegradation, as well as density and viscosity changes for DilBit weathering and other widely used algorithms for conventional oil weathering in marine environment. To validate the model, a series of DilBit weathering simulation were conducted and compared with the experimental data. Furthermore, the performance of DBWM was compared with a widely used oil weathering model (Automated Data Inquiry for Oil Spills, ADIOS2). The results demonstrated the feasibility and advantages of the developed DBWM in simulating the weathering of marine DilBit spills. Thus, the proposed DBWM can provide effective decision support to marine DilBit spill management.

134. Polycyclic aromatic hydrocarbons (PAHs) in fishery resources affected by the 2019 oil spill in Brazil: Short-term environmental health and seafood safety,

Magalhães, K.M., Carreira, R.S., Rosa Filho, J.S., Rocha, P.P., Santana, F.M., Yogui, G.T. (2022)
 Marine Pollution Bulletin, 175, art. no. 113334,
 DOI: 10.1016/j.marpolbul.2022.113334

ABSTRACT: We present herein a short-term impact on marketed fisheries and human health safety in the first three months following the 2019 oil spill in Brazil. Total PAHs in the edible tissues of 34 finfish and shellfish species ranged from 8.71 to 418 ng g⁻¹ wet weight, with robust evidence supporting crude oil contamination. A prevalence of low molecular weight PAHs was observed, mainly naphthalenes. A decreasing trend in mean total PAHs from mollusks (134 ng g⁻¹) to crustaceans (73.9 ng g⁻¹) and to fishes (45.3 ng g⁻¹) was noted. The spilled oil caused immediate negative impacts on the local seafood market, despite less than 3% of samples exhibited concentrations above levels of concern, revealing a low probability for human health risks. These findings demonstrate that governments must be prepared to provide not only science-based quick responses but also effective science communication for society upon environmental disasters.

135. Alterations of endophytic microbial community function in *Spartina alterniflora* as a result of crude oil exposure

Addis, S.D., Formel, S.K., Kim, Y.J., Varner, P.B., Raudabaugh, D.B., Lefevre, E., Bernik, B.M., Elango, V., Van Bael, S.A., Pardue, J.H., Gunsch, C.K. (2022)

Biodegradation, 33 (1), pp. 87-98.

DOI: 10.1007/s10532-021-09968-5

ABSTRACT: The 2010 Deepwater Horizon disaster remains one of the largest oil spills in history. This event caused significant damage to coastal ecosystems, the full extent of which has yet to be fully determined. Crude oil contains toxic heavy metals and substances such as polycyclic aromatic hydrocarbons that are detrimental to some microbial species and may be used as food and energy resources by others. As a result, oil spills have the potential to cause significant shifts in microbial communities. This study assessed the impact of oil contamination on the function of endophytic microbial communities associated with saltmarsh cordgrass (*Spartina alterniflora*). Soil samples were collected from two locations in coastal Louisiana, USA: one severely affected by the Deepwater Horizon oil spill and one relatively unaffected location. *Spartina alterniflora* seedlings were grown in both soil samples in greenhouses, and GeoChip 5.0 was used to evaluate the endophytic microbial metatranscriptome shifts in response to host plant oil exposure. Oil exposure was associated with significant shifts in microbial gene expression in functional categories related to carbon cycling, virulence, metal homeostasis, organic remediation, and phosphorus utilization. Notably, significant increases in expression were observed in genes related to metal detoxification with the exception of chromium, and both significant increases and decreases in expression were observed in functional gene subcategories related to hydrocarbon metabolism. These findings show that host oil exposure elicits multiple changes in gene expression from their endophytic microbial communities, producing effects that may potentially impact host plant fitness.

136. Effects of chronic crude oil exposure on the fitness of polar cod (*Boreogadus saida*) through changes in growth, energy reserves and survival

Vieweg, I., Bender, M.L., Semenchuk, P.R., Hop, H., Nahrgang, J. (2022)

Marine Environmental Research, 174, art. no. 105545,

DOI: 10.1016/j.marenvres.2021.105545

ABSTRACT: Climate models predict extended periods with sea-ice free Arctic waters during the next decade, which will allow more shipping activity and easier access to petroleum resources. Increased industrial activities raise concerns about the biological effects of accidental petroleum release on key species of the Arctic marine ecosystem, such as the polar cod (*Boreogadus saida*). This study examines effects on physiological traits related to the fitness of adult polar cod, such as growth, survival, and lipid parameters. Fish were exposed to environmentally-relevant crude oil doses through their diet over an 8-month period, concurrent with reproductive development. In liver tissue, lipid class composition differed between treatments while in gonad tissue, lipid class composition varied between sexes, but not treatments. Crude oil did not affect growth and survival, which indicated that polar cod were relatively robust to dietary crude oil exposure at doses tested (0.11–1.14 µg crude oil/g fish/day) in this study.

TRAINING COURSES

USEFUL LINKS

- INTERNATIONAL – IMO E-LEARNING PLATFORM [e-learning platform](#)
- AUSTRALIA – AMOSC - <https://amosc.com.au/training/>
- AUSTRALIA & NEW ZEALAND – ALGA - <https://landandgroundwater.com>
- CHINA - <http://www.sioetc.com>
- EUROPE – EMSA Academy 2022. [Courses Catalogue](#)
- FRANCE - CEDRE - Click on these links [training catalogue](#) and [2022 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 <https://www.tamucc.edu/research/nscs/>
- USA – MPC, DETROIT - <https://marinepollutioncontrol.com/services/training-and-compliance>
- USA – ALLIANCE OF HAZARDOUS MATERIALS PROFESSIONALS - https://www.ahmpnet.org/events/event_list.asp

Members who would like to be listed here, please contact your editor – john.mcmurtrie@spillcontrol.org

CERTIFICATE IN MARITIME SAFETY MANAGEMENT & THE ISM CODE

From Lloyds Maritime Academy - Course commences 28th September 2022. [More info](#)

UPCOMING EVENTS

TO VIEW UPCOMING EVENTS CLICK ON [HTTPS://SPILLCONTROL.ORG/UPCOMING-EVENTS/](https://spillcontrol.org/upcoming-events/)

To see ALL of the posted events you will need to click on “LOAD MORE” at the foot of each opened “upcoming events” page. Event organisers are requested to notify ISCO immediately if a listed event is cancelled or postponed. Your Editor does his best to keep the 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. Please advise the Editor if any of the 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

NEWLY ADDED TO THE UPCOMING EVENTS PAGE

- Adelaide – International Clean-Up Conference, 12-15 September, 2022
- Mexico, Veracruz – International Maritime & Port Forum, September 19-22, 2022
- Singapore – MEPSEAS Technology Conference, 15-17 November, 2022

RECENTLY ADDED TO THE UPCOMING EVENTS PAGE

- Korea – International Marine Debris Conference, Busan, 18-23 September
- Online Training Course – Remediation Management of Complex Sites, Sept. 22, 1 pm EDT
- Live Internet Seminar – Optimising Injection Strategies & in-situ Remediation Performance, Sept 13, EDT
- USA: National Tanks Conference, September 13-15, Pittsburgh
- Canada – Econext Conference 2022, October 20,, Newfoundland
- Netherlands – 2nd Envirotech for Shipping Forum, October 5-6, Rotterdam

WHEN YOU OPEN THE UPCOMING EVENTS PAGE YOU WILL SEE MANY MORE UPCOMING EVENTS

MESSAGES FROM EVENT ORGANISERS

MEXICO: INTERNATIONAL FORUM 19-22 SEPTEMBER 2022

FORO INTERNACIONAL MARÍTIMO Y PORTUARIO

MÉXICO 2022
Hotel Emporio, Veracruz - México
19, 20, 21 y 22 de septiembre de 2022

17 AÑOS

PROTEGIENDO EL COMERCIO EN UNA CADENA RESILIENTE

CIP
Comisión Interamericana de Puertos

Logos at the bottom: ISCO, PROBYP S.A., IENPAC, Glinvergy, Marterra Group, RICSA, Polarport, ICAVE, ARMON, Grupo México.

Topics will include - Vision and Challenges of the Maritime and Port Activity of the National Maritime Authority of Mexico + Reactivation of post-pandemic port activity + ISPS Code: Threats to Maritime Transport at the Ship-Port Interface + Technologies and Services for the Maritime-Port Sector + Reactivation of the Cruise Industry + Care of the Environment and Marine Resources.

More info - (<https://www.foropbiplive.org/>)

See also “ISCO AT INTERNATIONAL MARITIME & PORT FORUM IN MEXICO” under ISCO News on Page 2.

INDIA: SPILLTECH CONFERENCE & EXHIBITION, 21-23 SEPTEMBER, 2022

To support the Sustainable Development Goal 14: Conserve and sustainably use the oceans, seas and marine resources for sustainable development, SpillTech will cover a wide range of topics revolving around prevention, mitigation & probable solutions to save the environment from any catastrophic disasters. Apart from the policy & regulatory updates, the event topics will revolve around oil & chemical spills, Ocean Debris, Waste & Solid waste management, Shoreline cleanup, Risk mitigation & a few more.

[Download the updated Conference Programme](#) For ISCO Members a 10% discount on Registration Fee. <http://spilltech.org/>

FRANCE: SEA TECH WEEK 2022

Sea Tech Week®, Marine Science & Technology Conference - 26-30 September 2022, Brest, France – More info -

<https://www.seatechweek.eu/>

CANADA: INTERNATIONAL OIL SPILL SCIENCE CONFERENCE 2022 – OCTOBER 4-7

IOSSC 2022 REGISTRATION IS OPEN -Attendees will be able to connect with the oil spill response community, government, industry, and academia to work together to deal with the challenges in the field of oil spill response. The conference will bring experts from around the world to present their latest research in the field of oil spill science including spill prevention, contingency planning, and environmental rehabilitation.

[Preliminary Conference Programme](#) [Registration](#) Website: <https://sites.events.concordia.ca/sites/mpri/en/international-oil-spill-science-conference-2022/> [View Official Event Video](#)

BAHREIN: RECISO ENVIROSPILL CONFERENCE & EXHIBITION, 11-13 OCTOBER 2022

<https://www.recsoenvirospill.org/>

USA: CLEAN GULF CONFERENCE & EXHIBITION – NOVEMBER 8-10, 2022

A full, printable program is now available for this year's CLEAN GULF Conference & Exhibition, taking place November 8-10 in New Orleans. Check out the digital program and see what we have planned for this year's CLEAN GULF!

[Download the Digital Brochure](#) [View Exhibition Contract](#) [View Conference Sessions](#) [Register for Clean Gulf](#)

ITALY: ECOMONDO EXPO, RIMINI, 8-11 NOVEMBER, 2022

Two months to go to Ecomondo, do not miss the digital preview.

The Digital Green Week is two days designed to guide the community towards the new ecological and energy transition scenarios. An opportunity to talk about Ecomondo 2022, in the year of its 25th anniversary, to present new developments, the themes driving the events programme, the new exhibition sectors and all the business and networking opportunities.

[Log in to the reserved area, fill in your data, download your ticket](#) [Digital Preview](#)

AUSTRALIA: ALGA GROUNDWATER FATE & TRANSPORT SYMPOSIUM

ALGA's Groundwater Fate & Transport Special Interest Group (SIG) is pleased to announce the 2022 Groundwater Fate & Transport symposium will be held in Melbourne on 18 November 2022. The symposium aims to share the latest insights, developments and applications for improving our understanding of contaminant behaviour in the environment.

<https://www.cvent.com/c/abstracts/e9e34139-c7a0-4969-88b9-e2cfb510baab>

USA: CALIFORNIA -10TH BIENNIAL OIL SPILL RESPONSE TECHNOLOGY WORKSHOP FEBRUARY/MARCH 2023

California Department of Fish and Wildlife Office of Spill Prevention and Response (OSPR) and Chevron 10th Biennial Oil Spill Response Technology Workshop February/March 2023 in California (TBD). Email or request more

info: TechWorkshop2023@wildlife.ca.gov

NORWAY: NOSCA SEMINAR 2023: MARCH 20-24, 2023

The green shift challenges: New oils and new energy carriers. Marine littering. Biological threats [Registration](#)

USA: COLORADO - CLEAN WATERWAYS 2023: 11-13 APRIL, 2023

Registration has officially opened for the [2023 CLEAN WATERWAYS Conference](#), taking place at the Hilton Denver City Center Hotel in Denver, CO, on April 11-13. Registration rates are currently at a discount of \$350! These are the lowest rates offered for CLEAN WATERWAYS 2023 and expire on Friday, October 28th.

MESSAGES FROM EVENT ORGANISERS (CONTINUED)

The CLEAN WATERWAYS program is developed by a government/industry-based committee of approximately 45 professionals, and the committee is looking for leaders to help shape the conference. All abstracts submitted are reviewed for content and relevance by the committee and are selected by consensus. [More News re conference & abstract submission](#) [Registration](#) [Introduction to the Planning Committee](#)

AUSTRALIA: BRISBANE - SPILLCON 2023: 11-15 SEPTEMBER 2023

We are delighted to announce that Spillcon 2023 has been confirmed for 11–15 September 2023 at the Brisbane Convention and Exhibition Centre, Queensland, Australia.

For more information contact Spillcon Event Team, Nicky Reading, GPO Box 279, Canberra ACT 2601, Australia; Phone +61 417 244 355, Email spillcon@aip.com.au

CONTRACTS, TENDERS AND BUSINESS OPPORTUNITIES

INTERNATIONAL OPEN TENDER NOTIFICATION SERVICE

This is a subscription service. <https://www.tender247.com/keyword/oil+spill+tenders+global>

OTHER OPPORTUNITIES: USA & EUROPE

US Government solicitations are frequently posted in Technology Innovation News Survey <https://clu-in.org/products/tins/> US EPA Tech Direct <https://clu-in.org/techdirect/archive/> and USA Federal Contracts Update <https://clu-in.org/Federal-Contract-Opportunities>

European Maritime Safety Agency invitations to tender are often posted in The EMSA Newsletter <https://www.emsa.europa.eu/newsroom/newsletters.html>

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As a service to its Members ISCO provides a listing of publications that may be of interest to our community. This page provides details and links for downloading more than 40 publications most of which can be accessed at no cost. This page is frequently updated. ISCO depends on regular receipt of updated URL links for listed publications. If these are not received, relevant entries will be discontinued. ISCO is currently looking for a volunteer to take care of maintaining, improving and updating this page.

NEW PUBLICATIONS

FRANCE: CEDRE'S NEWSLETTER FOR JULY & AUGUST 2022

The latest Newsletter from CEDRE contains reports on –

- Emergency response
- Visit from Ifremer's CEO and the National Director of the French Customs Coast Guard
- The IRA-MAR project kicks off
- Qualiopi certification
- Meeting with NAVALEO
- Aquatic litter meetings between Cedre, IFPEN, CEREMA and IOWater
- Discussions with the Finistère fire brigade
- Visit to Saint-Nazaire offshore wind farm
- Atlantic clearance divers visit Cedre
- Monitoring site surveys in Hauts-de-France
- Angola crude oil testing in the Polludrome®
- Theory and practical training for offshore wind farm constructors
- Dispersant spraying equipment tests
- DPOL clean-up system tests
- Meeting with the Arcachon Basin Marine Nature Park

Download CEDRE Newsletter 314E at http://www.cedre.fr/en/content/download/10877/file/314_E.pdf

GIBRALTER OIL SPILL UPDATES

September 5 – Video of shoreline clean-up from YouTube <https://www.youtube.com/watch?v=53gCCQfgFQI>

September 5 - Nearly All the Oil has Been Recovered from OS 35 off Gibraltar



Oil leaks have been reduced as most oil is now recovered from the wreck (Photo courtesy of Gibraltar government)

Salvage teams working around the clock on the wrecked bulker beached off Gibraltar passed a key milestone reporting that they have recovered nearly all of the oil aboard the vessel. The recovery efforts are continuing to focus on various parts of the ship while clean-up efforts also made progress in reducing the flow of oil onto Gibraltar's beaches. The Maritime Executive / [Read more](#)

September 7 - Gibraltar authorities said Wednesday the Rock's port would partially reopen later in the day following the removal of most of the oil from a stricken ship that collided in its bay area last week. Operations to remove the remaining fuel and other material from the ship are continuing. The 178-meter (584-foot), Tuvalu-registered OS 35 was carrying 250 tons of diesel. After the initial spill it still had 183 tons of fuel oil and 27 tons of lubricant oil in its tanks. ABC News / [Read more](#)

VIETNAM: TANKER WITH 1,000 TONS OF OIL SANK IN GULF OF TONKIN

September 9 - Tanker HA AN 01 with some 1,000 tons of fuel on board sank at anchorage off Diem Dien port channel, Thai Binh province, at night Sep 8, being caught in adverse weather. 7 crew rescued, no reports on oil leak yet, but authorities already deployed Oil Response Agency to deal with possible leak and oil on board. Understood tanker is resting on bottom, with superstructure remaining partially above waterline. The Maritime Bulletin / [Read more](#)

USA: PENNSYLVANIA - CREEK OIL SPILL CLEANUP UNDERWAY

September 10 - An unknown amount of a petroleum-based product spilled into the Connoquenessing Creek in Butler on Thursday, and the cleanup process was ongoing Saturday afternoon. A representative of the state Department of Environmental Protection, representatives from the Allegheny Aquatic Alliance, cleanup crews and the landowner at the area of the cleanup were stationed at the Eckstein Road Canoe Launch Saturday, where four "booms," or lines across the creek, were outfitted with oil-absorbent pads to soak up the discharge. Butler Eagle / [Read more](#)

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