



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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- Mr John Wardrop (Australia)
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INTERNATIONAL NEWS

CLICK ON THE BANNER BELOW FOR MORE INFORMATION



COMPREHENSIVE ASSESSMENT ON MARINE LITTER AND PLASTIC POLLUTION CONFIRMS NEED FOR URGENT GLOBAL ACTION

October 21 - A drastic reduction in unnecessary, avoidable and problematic plastic is crucial to addressing the global pollution crisis, according to a comprehensive assessment released today by the UN Environment Programme (UNEP). An accelerated transition from fossil fuels to renewable energies, the removal of subsidies and a shift towards [circular approaches](#) will help reduce plastic waste at the needed scale.

From Pollution to Solution: a global assessment of marine litter and plastic pollution shows that there is a growing threat in all ecosystems from source to sea. It also shows that while we have the know-how, we need the political will and urgent action by government to tackle the mounting crisis. The report will inform discussions at the UN Environment Assembly (UNEA 5.2) in 2022, where countries will come together to decide a way forward for global cooperation. UNEP / [Read more](#)

MORE INTERNATIONAL NEWS IN BRIEF

OIL COMPANIES INTERNATIONAL MARINE FORUM COMPLETES PLAN ON MARINE ENVIRONMENT

October 21 - OCIMF completed its project to develop a paper that sets out its ambition(s) and action plan on the marine environment in line with OCIMF Vision, Mission and Strategic Priorities. OCIMF / [Read more](#)

MARINE PROTECTION: EU SIGNS UP TO UPDATED REGIONAL ACTION PLAN FOR A CLEAN AND HEALTHY BALTIC SEA

October 20 - At a [ministerial meeting](#) held today in Lübeck, Germany, the contracting parties of the Convention on the Protection of the Marine Environment of the Baltic Sea Area ([HELCOM](#)) adopted an [Action Plan](#) for a cleaner and healthier Baltic Sea. European Commission / [Read more](#)

ISCO AMBASSADORS

(Members with special responsibilities in specified geographical areas)

Carlos Sagrera	Región Iberoamericana
Matthew Sommerville	UK London
John Noble	UK London & South'ton
Wue Yu	China

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YOU ARE INVITED TO JOIN THE ISCO DISCUSSION GROUP ON LINKED-IN



Click on the link below –

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AND ISCO'S FACEBOOK GROUP



Click on the link -

<https://www.facebook.com/groups/388528312842431>

ADVANCE YOUR CAREER BY GAINING PROFESSIONAL RECOGNITION

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)

[About Professional Membership](#)
[Professional-membership application form](#)

MORE INTERNATIONAL NEWS IN BRIEF (CONTINUED)

INTERVIEW WITH RÜDIGER STREMPER, EXECUTIVE SECRETARY OF HELCOM, ON THE UPDATED BALTIC SEA ACTION PLAN

October 20 – HELCOM / [Download and read the interview](#)

PACIFIC STATES/BRITISH COLUMBIA OIL SPILL TASK FORCE TO HOLD ANNUAL MEETING VIRTUALLY ON NOV 17

October 20 – Read more at <https://spillcontrol.org/upcoming-events/>

XIAMEN UNIVERSITY, PEMSEA HOLD REGIONAL TRAINING PROGRAM ON ICM AND MSP FOR OFFICIALS AND PRACTITIONERS

October 21 - In a virtual training program entitled "ICM and MSP: Moving Beyond Planning for Sustainable Development of Coastal and Marine Areas in the East Asian Region," jointly organized by the Fujian Institute for Sustainable Oceans (FISO) of Xiamen University (XMU) and Partnerships in Environmental Management for the Seas of East Asia (PEMSEA), coastal managers and experts from the government, academe and other sectors underscored the need to revisit the mutually reinforcing concepts, frameworks, and practices of ICM and MSP; the conceptual and operational challenges faced by MSP; and how the East Asian region's practical experiences in ICM can facilitate the wider application and implementation of MSP.

The four-day training program, held virtually from September 14 to 17, attracted participants from 10 countries—Cambodia, China, Indonesia, Japan, Malaysia, Papua New Guinea, Philippines, Thailand, Timor-Leste and Viet Nam. Among them, 46 were government officials in the field of ocean and coastal management, while 13 were lecturers and researchers from various universities and research institutes. PEMSEA / [Read more](#)

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NEWS REPORTS FROM AROUND THE WORLD

AUSTRALIA: AMSA HAS UPDATED ITS OIL SPILL SAMPLING AND FORENSICS KITS

October 19 - Our new sampling kits are different. Designed in collaboration with a laboratory that analyses the samples, they recognise that today's technology means 'less is more'. A sample can now be as small as ten microlitres (0.01 mL or one fiftieth of a teaspoon).

Instead of just a couple of unlabelled jars, each kit now has 62 x 30ml jars, all etched with unique identifiers. This will enable us to collect a more complete set of samples on which to base a decision. The samples can also be collected dry, on new oil-loving and water-repelling Teflon swabs, where a barely visible smear is enough. AMSA / [Read more](#)

CANADA: HUSKY ENERGY FACING 3 CHARGES FOR MASSIVE SEAROSE OIL SPILL OFF COAST OF N.L.

October 19 - Husky Energy is facing three charges for a massive spill of crude oil into the Atlantic Ocean in November 2018. The 250,000-litre spill — the largest in the history of Newfoundland and Labrador — came from a leak in a flowline to the SeaRose FPSO, a floating production, storage and offloading vessel about 350 kilometres southeast of St. John's. CBC News / [Read more](#)

YOU CAN PLACE AN ADVERTISEMENT HERE

For information contact
Mike Watson at
spillcontrol@mwadigital.com

INDIA: THIS YEAR SEES HIGHEST REPORTS OF TARBALLS AFTER 2015

October 20 - After 2015, this year saw the highest cases of tarballs surfacing on Goa's beaches being reported. While in 2015, the tarballs appeared on Goa's coast on different days in 13 such instances, in 2021, 12 cases of tarballs landing on the beaches have been reported, that too in a single day. Times of India / [Read more](#)

ITALY: FIXED LINE TRANSECT MEDITERRANEAN MONITORING NETWORK

October 15 - The long-term international agreement for the monitoring of marine macrofauna and the main threats deriving from maritime traffic and marine litter has been renewed.

ISPRA and fourteen Research Institutions of the Mediterranean Area just signed the new triennial Agreement for continuous standard monitoring of cetaceans, sea turtle, other macro fauna and main threats (FLT Med Net, 2021 – 2024). The Agreement renew a long-term free of charge collaboration which started in 2007, when ISPRA (ex APAT) set off a sustainable approach for gathering long term data on marine macro fauna and two of their main threats (influence of maritime traffic, exposure risk by Floating marine macro litter) using ferries as platform of research. Since then, the approach was developed and shared within a growing international network of Universities and Research Institutions from five Mediterranean countries.

Thanks to the fruitful collaboration of an increasing number of ferry companies that host researchers onboard, the network is now continuously monitoring 16 fixed sampled lines distributed in the Western Mediterranean basin and in the ADRIAN Region. Two systematic research protocols allowed the consistent monitoring of more than 300'000 km of mostly offshore marine waters during all the seasons recording thousands of cetacean sightings, more than a thousand of sea turtle (mostly *Caretta caretta*) and many of other marine macro fauna (e.g. sunfish, jellyfish, shark, marine birds). Differences in distribution and seasonal variations for both cetaceans and sea turtles were recorded throughout the years and among the different Mediterranean Marine sub-regions. Data are shared in international databases (e.g. EmodNet, OBIS sea map, French Information System on Nature – SINP, Tursiomed/Intercet platform). The network regularly produces scientific papers on peer reviewed international journals, and tutors several University thesis (Bachelor, Masters and PhD). Among the recent published articles, many investigated species presence and distribution for conservation purposes, habitat use, long-term trends, correlation with environmental features and influence of the main threats of maritime traffic and marine litter (<https://www.researchgate.net/project/FLT-Mediterranean-Monitoring-Network-marine-species-and-threat>) ISPRA / [Read more](#)

MAURITANIA: NEW PROTECTED AREA BUFFERS SHIFTING SANDS

October 18 - Mauritania's battle against encroaching desertification, which has damaged ecosystems and endangered species, has received a timely boost with the news that 200,000 hectares will be turned into a protected area to support biodiversity in the country.

The new project, implemented by the United Nations Environment Programme (UNEP) and supported by the Global Environment Facility (GEF), will create a new protected area in the district of Adrar, a former crossroads for medieval salt and date traders, known for its striking desert landscapes and UNESCO-listed fortified towns of Chinguetti and Oudane. UNEP / [Read more](#)

NIGERIA: VARSITY UNVEILS HYDROCARBON REMEDIATION PROJECT IN DELTA

October 20 - The Federal University of Petroleum Resources, Effurun (FUPRE) is to begin remediation work on a crude oil impacted site at Obi-Ayagha community in Ughelli South Local Government of Delta State.

FUPRE, in conjunction with the Foundation for Conservation of Nigerian Rivers (FCNR), has set up Integrated Institute of Environment and Development (IIED), in the university, to pursue environmental remedial research and training through a Hydrocarbon Pollution and Remediation Research and Training Centre (HPRRTC), sited at the community. The Nation / [Read more](#)

NIGERIA: FEDERAL GOVERNMENT COMMITTED TO RESTORATION OF ECOSYSTEM, SAYS MINISTER



October 20 - Speaking at the 15th National Council on Environment in Abuja on Wednesday, the Minister of State for Environment, Chief Sharon Ikeazor, said the nation is determined to ensure that the present environment is preserved for sustainable development.

Ikeazor, who was represented by a permanent secretary in the ministry, Hassan Musa, said the 15th meeting of the National Council on Environment themed 'Appraisal of the Emerging challenges and opportunities in the Environment Sector:

A call for action towards the Environment of our dream', could not have come at a better time considering the enormous challenges and opportunities that have been thrown up by the debilitating effects of the COVID-19 pandemic. This Day / [Read more](#)

SOUTH AFRICA: KZN BEACHES AFFECTED BY UPL TOXIC SPILL WILL RE-OPEN WHEN SCIENTISTS SAY IT'S SAFE



Photo: Dozens of skips line the banks of the Ohlanga River, storing hazardous waste that leaked out of UPL's chemical warehouse in Cornubia, north of Durban, which was torched during the unrest in July. Image: Theo Japhta

October 21 - Beaches north of Durban have still not been declared safe to open.

The eThekweni municipality said on Thursday that beaches which were affected by a toxic spill when chemical giant United Phosphorous's (UPL) Cornubia warehouse was set alight during unrest in July, remain closed until environmental authorities have reviewed scientific evidence.

These include all the beaches north of the Umgeni River including Umhlanga, Umdloti and Salt Rock. Dispatch Live / [Read more](#)

SOUTH AFRICA: THE TOWN WHERE PENGUINS RULE

October 21 - A colony of 1,000 breeding pairs of African penguins nests on the beaches and in the gardens of Simon's Town

The first living beings I spot are a pair of African penguins perched companionably atop one of the large boulders. While one is preening, the other appears to be standing guard. The Smithsonian / [Continue reading this article by Elizabeth Warkentin.](#)

SYRIA: WAR TURNED COAST INTO 'POLLUTION FLASHPOINT': REPORT

October 19 - Leaks from moored tankers, underwater pipelines and wastewater systems have turned the Syrian coast into a major "conflict-linked pollution flashpoint", said a report released on Tuesday.

The study by PAX, a Dutch peace-building organisation, analysed public and commercial satellite imagery to assess the damage caused to the waters off the port of Baniyas, where an oil spill in August leaked thousands of tonnes of oil into the Mediterranean Sea.

The report listed "direct attacks on and degradation of energy infrastructure, lack of maintenance, and failing environmental governance" as the main sources of pollution stemming from the country's coast. Middle East Eye / [Read more](#)

UK: MSN 1906 THE CARRIAGE OF DANGEROUS GOODS AND MARINE POLLUTANTS: AMENDMENTS TO INTERNATIONAL STANDARDS

October 18 - This MSN relates to the carriage of dangerous goods and marine pollutants in packaged form and the transport of bulk chemicals and gas by sea in ships within UK waters and on UK ships wherever they may be. MCA / [Read more](#)

UK: ENVIRONMENT AGENCY BOARD MEMBER APPOINTMENTS

October 22 - The Environment Secretary, George Eustice, has reappointed four Non-Executive Directors for second terms to the Board of the Environment Agency and extended the second terms by 12 months of the Deputy Chair Richard Macdonald and Non-Executive Director Lynne Frostick. UK Environment Agency / [Read more](#)

USA: LATEST NEWS REPORTS FROM NOAA OR&R

October 18 – Click on the links below to read the latest News Reports from NOAA OR&R

[OR&R Hosts Virtual Workshop for Emerging Oils on the West Coast](#)

OR&R's [Assessment and Restoration Division](#) (ARD) and the University of New Hampshire's [Coastal Response Research Center](#)([link is external](#)) hosted a three-day workshop to improve preparedness for West coast oil spills involving novel oils transported into the region. The workshop delved into a range of emerging oils including bakken, dilbit, biofuels, low sulfur fuel oils, and others.

[Removal of Derelict Fishing Vessel from Saipan Lagoon](#)

The Marine Debris Program (MDP) is pleased to announce that Pacific Coastal Research & Planning (PCRP), a Saipan-based environmental non-profit organization, successfully completed a project funded by the MDP and National Fish and Wildlife Foundation to remove the derelict fishing vessel Lady Carolina from the central Saipan Lagoon.

[Environmental Sensitivity Index \(ESI\) Program Holds Second Round of Briefings for Congressional Staff](#)

OR&R staff followed up September's trio of Congressional briefings on the Environmental Sensitivity Index (ESI) program with another set of three briefings between October 12 and 15. These all-interested briefings were an opportunity for Congressional staff to learn about ESI maps and data along with their current status in different regions of the country.

[New Jersey Marine Debris Emergency Response Guide](#)

On October 14, the National Oceanic and Atmospheric Administration's (NOAA) Marine Debris Program released the [New Jersey Marine Debris Emergency Response Guide: Comprehensive Guidance Document](#) (Guide). The Guide is a product of a collaborative process with state and federal agencies.

USA: BIDEN ADMINISTRATION ANNOUNCES MULTI-AGENCY PLAN TO CONFRONT PFAS POLLUTION; EPA RELEASES STRATEGIC ROADMAP

October 19 - On October 18, 2021, the Biden Administration announced a multi-agency plan to address per- and polyfluoroalkyl substances (PFAS) contamination nationwide. According to the White House, agencies, including the U.S. Environmental Protection Agency (EPA), the Department of Defense (DOD), the Food and Drug Administration (FDA), the U.S. Department of Agriculture (USDA), the Department of Homeland Security (DHS), and the Department of Health and Human Services (DHHS), will take actions to prevent PFAS from being released into the air, drinking systems, and food supply and to expand cleanup efforts to remediate the impacts of PFAS pollution. To facilitate the coordination of PFAS response activities across the government, Biden Administration officials yesterday convened a first meeting of the newly-formed Interagency Policy Committee on PFAS, under the leadership of White House Council on Environmental Quality (CEQ) Chair Brenda Mallory. During the meeting, agency leaders discussed their progress and plans for addressing PFAS contamination and reducing the risks to American families. The Interagency Policy Committee on PFAS will work to coordinate and help develop new policy strategies to support research, remediation, and removal of PFAS in communities across the country.

EPA [announced](#) the release of its [PFAS Strategic Roadmap: EPA's Commitments to Action 2021-2024](#) (Strategic Roadmap), which sets timelines by which EPA plans to take specific actions during the first term of the Biden Administration. EPA states that the Strategic Roadmap is the result of a "thorough analysis" conducted by the EPA Council on PFAS established by EPA Administrator Michael Regan in April 2021. The Strategic Roadmap is centered on three guiding strategies: increase investments in research; leverage authorities to take action now to restrict PFAS chemicals from being released into the environment; and accelerate the cleanup of PFAS contamination. According to EPA, over the coming weeks, it will be working to partner for progress on PFAS. EPA will engage with a wide range of stakeholders to continue to identify collaborative solutions to the PFAS challenge, including two national webinars that will be held on [October 26](#) and [November 2, 2021](#). National Law Review / [Read more](#)

USA: NATIONAL FACILITY FOCUSING ON FRESHWATER OIL SPILLS TO BE HEADQUARTERED IN MICHIGAN

October 20 - Researchers and first responders know how to handle an oil spill in the ocean, but it's trickier when it comes to freshwater lakes. That's hopefully about to change thanks to a new center being built right here in Michigan.

"I was very concerned from the outset of the potential damage that could occur from the Great Lakes from a spill of oil," said Senator Gary Peters. "Whether that be from a pipeline that exists in the Great Lakes, or tankers or any other freshwater source – if you see a railroad tanker or other pipeline spill inland."

The Great Lakes Coast Guard National Center of Expertise (NCOE) will be housed at Lake Superior State University in Sault Ste. Marie. The \$4.5 million initiative will study the impacts of oil spills in freshwater. Fox News / [Read more](#)

VENEZUELA: CRUMBLING OIL INDUSTRY IS AN ENVIRONMENTAL TIME BOMB

October 21 - Venezuela's profound economic and humanitarian crisis fails to attract the headlines it once did, particularly after the U.S. recognized interim president Juan Guaido's May 2019 uprising failed. While the autocratic Maduro regime's actions continue to gain some media attention, it appears that the world's worst modern economic collapse outside of war is no longer the breaking news it once was.

This is despite the humanitarian crisis deepening to the point where nearly all Venezuelans live in poverty and the growing regional threat posed by terrorists as well as other non-state armed groups operating in Venezuela's territory. What many international commentators are failing to acknowledge is the environmental time bomb created by Venezuela's vast petroleum reserves, which at 304 billion barrels are by far the world's largest.

Two decades of mismanagement, malfeasance, and corruption coupled with ever harsher U.S. sanctions have caused Venezuela's once-mighty oil industry, which saw the OPEC member become a leading world oil exporter, to implode. In the space of just over two decades, petroleum output has plunged from over three million barrels per day to an average of 527,000 barrels for September 2021, according to the latest OPEC Monthly Oil Market Report. Yahoo Finance / [Read more](#)

PEOPLE IN THE NEWS

SAN JUAN COUNTY EMPLOYEE RECOGNIZED BY THE OIL SPILL TASK FORCE

October 20 - The Pacific States/British Columbia Oil Spill Task Force is honoring Marta Green with a 2021 Legacy Award, oilspilltaskforce.org/ourwork/legacy-awards, for her committed leadership in developing and advancing the San Juan Islands' Oil Spill Prevention Strategy. Over the last five years, Marta secured grant funding and managed two projects to advance oil spill prevention measures for the shipping lanes through Haro Strait and Boundary Pass.

The two spill prevention projects successfully:

- Demonstrated the cost/benefit business case for a rescue tug— similar to that stationed at Neah Bay — to prevent a disabled vessel in Haro Strait and Boundary Pass from drifting aground. The economic, environmental, and social costs of an oil spill was estimated to be 100 times greater than the annual cost of stationing a rescue tug here. Learn more at www.sanjuanlio.com/wp-content/uploads/2021/05/Spill-Conseq-Assmnt-and-ERTV-Cost-Eval-Factsheet-SJC-Final.pdf.
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ISCO NEWS

ISCO'S AGM 2021 WILL TAKE PLACE VIRTUALLY ON 9th DECEMBER 2021

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

ISCO'S NEXT ZOOM MEETING HAS BEEN SCHEDULED FOR OCTOBER 28TH 2021

You are invited to join the virtual meeting which will take place at 0900 EASTERN TIME (US & CANADA) / 1400 BST or the equivalent time in your own time zone.

Link for joining the meeting: <https://us02web.zoom.us/j/85224011471?pwd=QXRvaTJ5UGNPRFNTVUV0OU5CQm02UT09>

Meeting ID: 852 2401 1471 Passcode: 702576

The provisional agenda is –

1. to re-enforce our National Representatives, and information about the role will be issued shortly,
2. update on the Gulf Clean Event
3. Marketing and Promotion of ISCO - It would be good to see if the membership have any suggestions on how ISCO should be promoting itself
4. Looking at the formation of some working groups, with the Working Group Leader reporting back to the Secretaria
5. AOB

REDUCING THE SIZE OF THE ISCO NEWSLETTER

A start has been made. The general plan is that repetitive content will be made accessible by one-click links to newly created website pages. All the information in the newsletter features being moved will therefore continue to be very easily consulted by our Newsletter readers.

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

Starting this week you can access [“Upcoming Events”](#) and [“Links for downloading and reading Other Publications”](#) by clicking on the links provided.

NEWS FROM ISCO MEMBERS

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

You can also tell the world about recent company activities, major contract awards, and other company news.

This is a **FREE** facility for our Members.

Given that the ISCO Newsletter has a large and highly targeted readership in over 50 countries, it's a great way to promote your company. If you have some news you would like to share with readers of the ISCO Newsletter, send it to

John.McMurtrie@spillcontrol.org

ISCO STUDENTS, TRAINEES & APPRENTICES CORRESPONDENCE PAGE

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

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

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

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

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

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

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

This may be of interest - The Hellenic Marine Environment Protection Association – HELMEPA continuously supports young people by awarding scholarships for Postgraduate Programs in the fields of shipping and environmental sciences, ensuring the continuation of their studies. [More info](#)

CONTRIBUTED ARTICLE

The ISCO Newsletter has in the past published excellent one-off or serialised articles on such matters as inland spill response, aerial observation of oil spills, in-situ burning, etc. by respected experts.

Your editor is currently looking for more interesting articles of this kind. If you think you can help, please get in touch. john.mcmurtrie@spillcontrol.org

Disseminating news about new technical developments is of value to our community. Corporate Members and others are invited to contribute articles.

Your editor is also interested to receive interesting case histories for publication. Dealing with spill events often requires an innovative approach and you are invited to share your experiences.

UPCOMING WEBINARS

HOW DO SCIENTISTS INVESTIGATE PLASTIC WASTE AND ITS IMPACT ON NATURAL PROCESSES?

Monday, 25 October 2021, 1pm (UK time)

Plastic waste has lasting effects on our natural environment and ecosystem. The lifecycle of existing plastics is a complex issue, from materials to waste. But chemical scientists have the power to reduce its impacts.

We have teamed up with the Microbiology Society to explore the serious impacts plastic has on our environment. Join us to understand these issues from a chemical and microbial point of view and how you can recycle and upcycle plastic using microbial processes.

What will be covered in this webinar? Our speakers Dr Tanja Narancic (Assistant Professor and Lecturer, UCD School of Biomolecular and Biomedical Science), Dr Robyn Wright (Postdoctoral Research Fellow, Dalhousie University) and Dr Jesus Ojeda Ledo (Associate Professor, Swansea University), explore key ideas, including:

Enzyme recycling of plastic waste and the potential to form a bioeconomy for plastics the 'plastisphere' – the microbiological communities that live on plastics how chemists sample and detect microplastics in water

Chemistry World http://click.rsc.org/rsps/m/lyzYKhG_5DOx6l09_gfaKCGYiASTqoC4Qd3XtPCc3l

SECONDARY CONTAINMENT – MANAGING DIFFICULT CONTAINMENT PENETRATION METHODS

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

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

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

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

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

EXXONMOBIL OIL SPILL RESPONSE KNOWLEDGE TRANSFER WEBINARS 4 - 5

Please join us for the next webinars as follows:

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

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

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

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

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

PERSPECTIVES ON OPTIMISING REMEDIAL STRATEGIES FOR CONTAMINATED SITES

Thursday Nov 11, 2021 12:00 PM - 1:00 PM AEDT

Remedial strategies often evolve over time. Particularly at complex sites, remedial performance may not meet expectations and alternative technologies may be tried, with similar results. Millions of dollars and decades can be spent implementing and adjusting the remedial program. Stakeholders may lack consensus on a path to site closure. Taking a step back to re-assess conceptual site model (CSM) limitations and data gaps and identify where and why contaminants persist longer than expected can lead to insights for optimising the remedial approach and improving performance. This presentation will describe various tools and approaches used to interrogate areas with persistent contamination, how to capitalise on and communicate the extent of natural attenuation to stakeholders, and concepts for beginning a dialogue and developing a path to closure. Case studies will illustrate potential benefits of revisiting the CSM and remedy basis, as well as the process for developing a remedial strategy that provides a path to site closure, depending on the regulatory framework, stakeholder input, applicability of risk-based closure strategies, acceptable remedial timeframes, and impact on receptors

This presentation will be held as a live webinar. A unique access link will be sent to registrants on the morning of the event. If you are unable to attend on the day, the session will be recorded and available to view later. [Registration](#)

UPCOMING WEBINARS (CONTINUED)

WEBINARS FROM UK & IRELAND SPILL ASSOCIATION

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

TRAINING COURSES

SOME USEFUL LINKS

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

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

TUNISIA: IMO OPRC LEVEL 2 TRAINING COURSE

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

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

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

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

UPCOMING EVENTS

TO VIEW UPCOMING EVENTS PLEASE CLICK ON <https://spillcontrol.org/upcoming-events/>

To see ALL of the posted events you may need to click on “LOAD MORE” at the foot of the 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

MESSAGES FROM EVENT ORGANISERS

USA: THE CLEAN GULF CONFERENCE & EXHIBITION IS ONLY 3 WEEKS AWAY

The 30th Annual [CLEAN GULF Conference & Exhibition](#) is taking place in just three weeks at the Henry B. Gonzalez Convention Center in San Antonio, TX, and we haven't seen you register! Now is the time to register for CLEAN GULF and commit to joining your peers in spill prevention and response next month. CLEAN GULF is a great opportunity to re-connect with your peers, gain valuable insight into current issues and trends, and discover the latest technologies advancing the industry.

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

MESSAGES FROM EVENT ORGANISERS (CONTINUED)

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

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

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

2021 EAST ASIAN SEAS CONGRESS UNVEILS LINE-UP OF ACTIVITIES FOR MAIN CONFERENCE

Preparations for the 2021 East Asian Seas (EAS) Congress are now in full swing as Partnerships in Environmental Management for the Seas of East Asia (PEMSEA), the Royal Government of Cambodia and the Ministry of Environment, Province of Preah Sihanouk, have unveiled the line-up of activities for this year's highly anticipated event. The 2021 EAS Congress, the seventh in a series of triennial ocean conferences, will be held on December 1-2 virtually, and onsite in Sihanoukville, Cambodia.

Themed "Charting a New Decade of H.O.P.E. (Healthy Oceans, People and Economies)," the EAS Congress aims to usher in better, stronger and smarter regional actions that are strategically aligned with the key principles and targets of the global ocean agenda. The event is open to a broad range of stakeholders, including national and local governments, the United Nations system, other intergovernmental organizations, bilateral and multi-lateral projects, international financial institutions, non-government and civil society organizations, academic institutions, the scientific community, and the private sector.

On December 1, Prime Minister Samdech Techo Hun Sen of the Royal Government of Cambodia will deliver the keynote address. He will be joined by Minister Say Samal of the Ministry of Environment and overall Chair of the EAS Congress 2021, and Governor Kuoch Chamroeun of the Provincial Administration of Preah Sihanouk, host of the PEMSEA Network of Local Governments. Mr. Arief Yuwono, EAS Partnership Council Chair, will be delivering remarks on behalf of PEMSEA. The conference will feature a plenary session focusing on the future of the coasts and ocean in the region with global experts such as: Dr. Andrew Hudson, Head, Water and Ocean Governance Programme, United Nations Development Programme (UNDP); Sir Danny Alexander, Vice President for Policy and Strategy, Asian Infrastructure Investment Bank (AIIB); and Dr. Gil Jacinto, Philippine National Focal Person for the International Oceanographic Commission. [Read more](#)

INTERSPILL 2022 – CALL FOR PAPERS DEADLINE EXTENDED TO OCTOBER 31st

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

CONTRACTS, TENDERS AND BUSINESS OPPORTUNITIES

INTERNATIONAL OPEN TENDER NOTIFICATION SERVICE

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

OTHER OPPORTUNITIES: USA & EUROPE

US Government solicitations are frequently posted in Technology Innovation News Survey, <https://clu-in.org/products/tins/> US EPA Tech Direct <https://clu-in.org/techdirect/> 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. (Look in "Links for other publications" for the current issue of this publication)

LINKS FOR DOWNLOADING AND READING OTHER PUBLICATIONS

TO VIEW LINKS FOR DOWNLOADING AND READING OTHER PUBLICATIONS PLEASE CLICK ON

<https://spillcontrol.org/2021/10/19/links-for-downloading-and-reading-other-publications/>

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. Publishers are kindly requested to advise the editor john.mcmurtrie@spillcontrol.org if any links are not up-to-date. Readers wishing to recommend the addition of additional publications should contact the editor.

NEW PUBLICATIONS



ECO Magazine Special Issue Marine Pollution

ECO Magazine is a free subscription Ocean Science Magazine providing four issues per year plus special issues. The current special issue includes a number of articles on oil spills and other articles that should be of interest to ISCO Members. Read online or download at:

<https://www.ecomagazine.com>

ISCO COUNCIL MEMBER, JOHN WARDROP, RECOMMENDS THAT YOU ADD THIS PUBLICATION TO YOUR READING LIST.

The latest issue of ECO Magazine contains a good article by Jane-Elle Delgado of ISCO Industry Partner, OHMSETT

For your future reference, ECO MAGAZINE has been added to our Other Publications list at <https://spillcontrol.org/2021/10/19/links-for-downloading-and-reading-other-publications/>

ANOTHER USEFUL PUBLICATION FOR YOUR INTEREST



New Ocean Pollution Publication from IPEN

This publication is recommended for those interested in the wider aspects of marine pollution. It is available for free download from the national Toxics Network (NTN) website. There are lots of others available in their publications area.



Available from:

<https://ntn.org.au/ocean-pollutants-guide-toxic-threats-to-human-health-and-marine-life/>



INCIDENT REPORTS

RED SEA: OIL LEAK FROM ISRAELI MISSILE BOAT CAUSES OIL SPILL

October 14 - An oil leak on an Israeli Navy ship has polluted the waters of the Red Sea, the Ministry of Environmental Protection said in a statement on Thursday.

It is a leak of hundreds of liters of hydraulic oil from a missile boat that docked at a Navy base in Eilat, Israel's southernmost beach town, according to the statement.

The Israeli Navy has taken immediate steps to absorb and block oil in the water, with the support and supervision of the ministry's Marine Environmental Protection Division. However, the oil spill spread outside the Navy's territory into the Gulf of Eilat, the ministry said. French.China.org CN / [Read more](#)

CANADA: ZIM CONTAINER SHIP LOST DOZENS OF CONTAINERS OFF VANCOUVER

October 22 - Container ship ZIM KINGSTON lost some 40 containers overboard some 30 nm off Vancouver island in the afternoon Oct 22, understood while under way, approaching Juan de Fuca Strait en route from Busan Korea to Vancouver.

At least two of lost containers contain combustible hazmat, as well as two crushed containers on cargo deck. Number of collapsed, destroyed or damaged containers on deck is unknown. Maritime Bulletin / [Read more](#)

TEN GOOD REASONS WHY YOU SHOULD BE A MEMBER OF ISCO

Even when budgets are tight, you can fully justify the cost of ISCO membership

- Be recognised as a member of a worldwide community of professionals who share a common interest.
- Corporate Members enjoy FREE Listing in ISCO's International Directory of Spill Response Contractors, Equipment Suppliers, Training Providers, and Consultancy Services – All your information displayed and one click access to your website. It's a great search facility for potential customers.
- Corporate Members receive requests for emergency provision of resources for spill response support. The Emergency Assistance facility is there for government agencies, oil companies and response organizations - not only for rapid sourcing of additional resources in large spill events, it can be used to help find specialised equipment not often available in response inventories, people with specialised experience and know-how, etc. Contractors can use the facility to supplement their own internally available resources.
- Benefit from ISCO initiatives that are of practical value to Members – for example, the free and widely used RESPONSECON contracts that you can use - speeding up contractual arrangements for mobilisation of spill response resources, with positive implications for protecting your cash flow.
- Free publicity – News from ISCO Members - Announce your new products and services developments in the weekly ISCO Newsletter – reaching out to a highly targeted customer audience in over 60 countries.
- Corporate Members can place well targeted advertisements at very economical rates in the ISCO Newsletter and on the ISCO website.
- Benefit from negotiated discounts in attending conferences and exhibitions – the savings can significantly offset the cost of maintaining your membership.
- To enhance response knowledge of your staff - Freely downloadable technical articles, response guidelines and loads of other useful reference information available in the Members' Area of the ISCO website.
- Your membership helps ensure continued publication of the ISCO Newsletter, keeping you up-to-date on events, developing technologies, new legislation and other matters of mutual interest. This will save many hours a week of scanning, browsing and searching for all the news that matters and puts it in your inbox every week.
- Through ISCO, Members have a voice in the drafting of new legislation that will affect their areas of interest. We introduce new initiatives at IMO and give our support to other delegates advancing developments that will be of benefit for improvement of response effectiveness. ISCO provides an interface with National and International Government Agencies, Industry, the Scientific Community, R&D Establishments and Academia, actively supporting new developments that will be of benefit to our Members.
- Members have the right to display the ISCO logo on their headed notepaper, brochures, business cards, etc. to denote that they are part of an international organisation dedicated to improving worldwide co-operation and preparedness.

For more information visit www.spillcontrol.org

Apply for Membership of ISCO at <https://spillcontrol.org/membership-application-form/>

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