



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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HEADLINE INTERNATIONAL NEWS

PLEASE CLICK ON THE BANNER BELOW FOR MORE INFORMATION



SHIPPING INDUSTRY URGED TO PREVENT DEVASTATING PLASTIC 'NURDLE' SPILLS

Campaigners are calling for the International Maritime Organization (IMO) to classify the small plastic pellets known as nurdles as marine pollutants and impose stricter controls on how they are handled, after a series of devastating spillages.

So-called nurdles are lentil-sized pieces of plastic – used as building blocks for most of the plastic items produced today. However, poor handling and transportation practices have resulted in massive losses of them into the environment.

A report by NGO Flora and Fauna International (FFI) highlights the scale of the problem and makes a series of recommendations for tackling the environmental risk of transporting them.

The report, which can be read in full [here](#), explains that, for three decades, efforts to address pellet pollution have focused on losses originating from production and manufacturing sites, which are known as 'land-based sources' of pellet pollution. Far less attention has been given to pellets that are being lost during transport – especially at sea. Therefore, the full extent of pellet loss on land and at sea can only be estimated.

The report recommends several steps that need to be taken to reduce pellet pollution. The most pressing recommendation is that the IMO, a UN agency, must classify nurdles as marine pollutants – to force shipping companies to meet stricter rules about handling.

FFI also urges the IMO to include pellets in its International Convention on Liability and Compensation for Damage in Connection with the Carriage of Hazardous and Noxious Substances by Sea.

The Guardian reports that the IMO has asked pollution experts to examine the options for “reducing the environmental risk associated with the maritime transport of plastic pellets (nurdles)”.

The IMO reportedly said a panel of experts would submit their findings for a meeting in April 2023. Marine Industry News / [Read more](#)

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(Members with special responsibilities in specified geographical areas)

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ISCO NEWS

REMINDER AND JOINING LINK - POSTPONED 2022 AGM

The delayed AGM is scheduled to take place at 8 pm GMT / 3 pm EST on **Thursday 9th February 2023**.

It will be a remote meeting carried out using a Zoom platform. The link for joining the meeting will be <https://us02web.zoom.us/j/5220550000>

All members in good standing (membership fees paid up-to-date) and honorary members (Hon.FISCO) are invited to attend and are entitled to vote.

Votes should be submitted no later than the end of the day after conclusion of the AGM. The voting results will be communicated to members as soon as practicable.

The Agenda, Meeting Papers, Addendum and Voting Form were circulated to members by email on 10th January 2023. Any Member who has not received these documents should alert the Secretariat by email to info@spillcontrol.com to request that a copy be sent.

An additional item to be discussed at the meeting will be a proposal for an event to be held in Brazil later this year.

NURDLES – NEW PREVENTION AND CLEAN-UP TECHNOLOGY & ONGOING R&D WORK

Yet more reports of pollution from nurdles washing up on beaches have been received recently. Previous articles in the ISCO Newsletter have highlighted this very significant international problem. The ISCO Executive Committee is looking into how our organisation can assist by co-operating with others in promulgating better prevention and response capabilities that can be adopted on a worldwide basis. Readers of the ISCO Newsletter are invited to contribute information that can be shared within our community and hopefully improve our capability to counter this pollution in more effective ways.

As a starting point a new section on Nurdles has been created in the ISCO Newsletter and can be found on Page 10.

INTERNATIONAL & REGIONAL NEWS

PLASTIC TREATY PROGRESS PUTS SPOTLIGHT ON CIRCULAR ECONOMY

January 27 - When the gavel came down on the resolution to end plastic pollution at the resumed fifth session of the United Nations Environment Assembly (UNEA-5.2) in Nairobi last March, there were hugs and tears among the delegates. The emotion reflected the importance of this historic milestone: a legally binding global instrument toward ending plastic pollution.

Crucially, the resolution addresses the full life cycle of plastic, a holistic approach necessary to tackle the growing plastic pollution crisis. Humanity produces around 460 million tonnes of plastic a year, a figure that – without urgent action – will triple by 2060. Globally, 46 per cent of plastic waste is landfilled, 22 per cent is mismanaged and becomes litter, 17 per cent is incinerated and 15 per cent is collected for recycling, with less than 9 per cent actually recycled after losses. UNEP / [Read more](#)

REGIONAL MEETING ON SPECIALLY PROTECTED AREAS AND WILDLIFE (SPAW) TO PUT SPOTLIGHT ON CARIBBEAN MARINE BIODIVERSITY

January 29 - The Wider Caribbean Region is in urgent need of preserving its treasured ecosystems and preventing further biodiversity loss which negatively IMPACTS its growth and sustainable development targets. It is estimated that US\$54.6 billion in economic value is directly linked to marine habitats.

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INTERNATIONAL & REGIONAL NEWS (CONTINUED)

The region needs to pursue a strategic and sustained approach to ensure more positive outcomes in the management of marine protected areas and marine endangered species. This is the context for the upcoming virtual meeting of the 10th Scientific and Technical Advisory Committee (STAC10) on the Specially Protected Areas and Wildlife (SPAW) Protocol under the Cartagena Convention. The meeting was held from the 30th January to the 1st of February 2023. UNEP / [Read more](#)

WORLD ENVIRONMENT DAY 2023 TO BE HOSTED BY CÔTE D'IVOIRE WITH A FOCUS ON SOLUTIONS TO PLASTIC POLLUTION

February 1 - Côte d'Ivoire will host World Environment Day 2023 on 5 June with the theme of solutions to plastic pollution, UN Environment Programme (UNEP) and Côte d'Ivoire announced today.

This year marks the 50th anniversary of World Environment Day, after it was established by the United Nations General Assembly in 1972. Over the past five decades, the day has grown to be one of the largest global platforms for environmental outreach. Tens of millions of people participate online and through in-person activities, events and actions around the world.

"The scourge of plastic pollution is a visible threat that impacts every community around the world," said Jean-Luc Assi, Côte d'Ivoire's Minister for the Environment and Sustainable Development. "As host of World Environment Day 2023, we welcome all sectors, from governments and businesses to civil society, to come together to find and champion solutions." UNEP / [Read more](#)

MESSAGE RECEIVED FROM IMO

For the attention of intergovernmental organizations in cooperation with IMO and non-governmental organizations in consultative status with IMO

The purpose of this email is to kindly request your cooperation to promote and encourage the submission of nominations for the 2023 IMO Honours for Exceptional Bravery at Sea.

You will find attached a promotional flyer in the three working languages of the Organization (English, French and Spanish). Each of them contains three links:

INTERNATIONAL & REGIONAL NEWS (CONTINUED)

- the revised guidelines (enclosed in Circular Letter No.4650), as approved by the Council at C 127 to reflect the establishment of the three categories of honour;
- the nomination form in Word format to be edited as necessary; and
- a short video of last year's IMO Awards Ceremony

We would be most grateful if you could upload the flyer onto your website and/or circulate it to your members as you consider appropriate. Alternatively, it can be accessed through the following links:

- English: [2023 IMO Honours Invitation Advert EN](#)
- French: [2023 IMO Honours Invitation Advert FR](#)
- Spanish: [2023 IMO Honours Invitation Advert SP](#)

We truly appreciate any support you can provide by promoting the nomination of deserving candidates for this prestigious Award. As always, please do not hesitate to contact us if you have any queries. Many thanks and kind regards, External Relations Office

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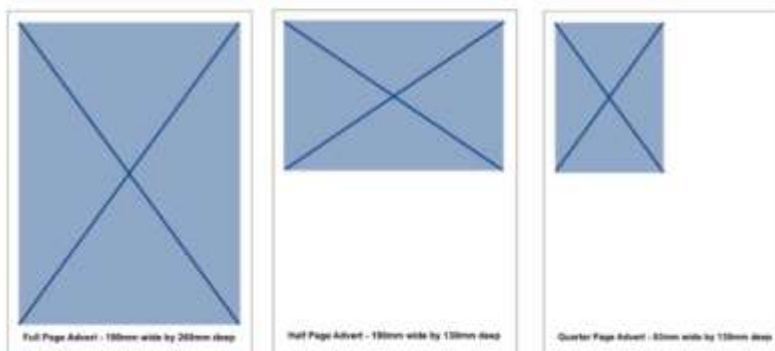
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What is the ISCO Newsletter?

ISCO's weekly newsletter is focused in international, regional and national news that is of interest to professionals, companies and organisations involved in oil and chemical spill control and the emerging field of CBRN incident response.

Through the Newsletter and its other activities, ISCO is disseminating information on new developments – technical advances, legislation, events and other matters that affect the international spill response community.

To receive a copy of the new media pack please contact spillcontrol@mwadigital.com

NEWS REPORTS FROM AROUND THE WORLD

Editor: Many of these reports are gleaned from news provided on the websites of Environment Agencies and other national organisations, some of which are not being well maintained. ISCO does not have the resources to monitor multiple social media platforms. Your editor is grateful to those organisations that directly send him their national news reports of interest to the spill response community.

AUSTRALIA: RELEASE OF AMSA COMPLIANCE STRATEGY 2023-27

January 31 - As evidence of its commitment to transparency and collaboration with industry, the Australian Maritime Safety Authority (AMSA) has released its Compliance Strategy for the next four years.

NEWS REPORTS FROM AROUND THE WORLD (CONTINUED)

The AMSA Compliance Strategy 2023-27 builds on the modern regulatory foundations laid out in its predecessor – a data-driven, risk-based and proportionate approach to compliance that minimises impact on industry while maximising safety and environmental outcomes.

On a practical level, the strategy is implemented through AMSA's annual National Compliance Plans which detail specific inspection and education focus areas for a given 12-month period.

AMSA Executive Director of Operations, Michael Drake, says the authority uses incident and inspection data to identify and target emerging risks to safety across the domestic and merchant maritime industries. AMSA / [Read more](#)

AUSTRALIA: MISSING RADIOACTIVE CAPSULE FOUND IN WESTERN AUSTRALIA

February 1 - Australian authorities on Wednesday found a radioactive capsule that was lost in the vast Outback after nearly a week-long search along a 1,400 km (870-mile) stretch of highway, an emergency services official said.

The military was verifying the capsule and it would be taken to a secure facility in the city of Perth on Thursday, Emergency Services Minister Stephen Dawson said in a news conference. Reuters / [Read more](#)

BRAZIL CARRIES OUT FIRST ANTI-DEFORESTATION RAIDS

January 30 - Last week, agents from Brazil's environmental protection agency, the Institute of Environment and Renewable Natural Resources (Ibama), carried out the first significant environmental enforcement activity under the new administration of President Luiz Inacio Lula da Silva (Lula), who assumed office on January 1, 2023. The anti-deforestation raids, which were accompanied by members of the press, took place in the rainforest state of Para within the protected Cachoeira Seca indigenous reserve with the goal of preventing loggers and ranchers from carrying out illegal deforestation and land clearance for agriculture. According to Ibama Environmental Enforcement Coordinator Tatiane Leite, additional raids were carried out in the Amazonian states of Roraima and Acre.

The reactivation of meaningful environmental protection enforcement in Brazil under Ibama and other federal agencies is a clear policy priority for Lula's new Minister of the Environment, Marina Silva. MONDAQ / [Read more](#)

BRAZIL'S PROPOSAL TO SINK "TOXIC" CARRIER RAISES ENVIRONMENTAL PROTEST

February 1 - Environmental groups are vocally protesting the suggestion that Brazil might sink its decommissioned aircraft carrier the NAE São Paulo as a solution to the fate of the hulk stranded offshore after Turkey refused the vessel for recycling and Brazilian <https://www.bvibeacon.com/oil-spill-training-under-way-again/>ports refused to let the ship return to dock. The carrier built by the French in the late 1950s and operated by Brazil till it was decommissioned in 2018 has been stranded at sea for nearly six months with the Brazilian Navy contending the hull and structure are rapidly decaying. The Maritime Executive / [Read more](#)

BRAZIL PROCEEDS WITH SINKING AIRCRAFT CARRIER DESPITE PROTESTS

February 2 - The Brazilian Navy confirmed that it plans to move forward with a controlled sinking of the decommissioned aircraft carrier NAE São Paulo in Brazilian waters. While they will not disclose the exact timing or location it is expected that they will move forward expeditiously after warning that the vessel was at severe risk of losing stability and buoyancy and after clearing a last-minute hurdle when a court refused a possible injunction to halt the sinking. All of this is happening as a war of words is also taking place between the Turkish scrappers and the Brazilian authorities. The Maritime Executive / [Read more](#)

BRITISH VIRGIN ISLANDS: OIL SPILL TRAINING UNDER WAY AGAIN

January 30 - Twenty senior public officers participated in a recent training session designed to improve the coordination, management and planning of oil spill responses, according to Government Information Services. More sessions are scheduled for next month. The BVI Beacon / [Read more](#)

CANADA LAUNCHES INTERACTIVE MAPPING TOOL TO SUPPORT MARINE PLANNING AND PROTECTION

January 31 - Today, the Honourable Joyce Murray, Minister of Fisheries, Oceans and the Canadian Coast Guard, launched the new Canada Marine Planning Atlas (the Atlas). The Atlas is an interactive mapping tool that allows users to view and interact with data relevant to [marine spatial planning](#). It includes data on economic, ecological and sociocultural activities that sometimes overlap in Canada's marine spaces.

Marine spatial planning brings together all levels of government, Indigenous partners and stakeholders to shape better the objectives and future uses of marine space. It improves ocean management by ensuring our marine spaces are used in a holistic way. It improves ocean management by ensuring our marine spaces are used in a holistic way. The impacts of human activities are considered as well as broader ecological, economic, cultural and social considerations. Coordinating how we manage ocean activities is a key factor in achieving Canada's ambitious conservation goals of conserving 30 per cent of the world's oceans by 2030. Fisheries & Oceans Canada / [Read more](#)

EGYPT: ENVIRONMENT DAY EVENTS

January 28 - Within the framework of the directives of Dr. Yasmine Fouad, Minister of Environment, to continue raising environmental awareness and restoring momentum again to the issue of climate change among all segments of society in the governorates of the Republic, the Ministry of Environment, through the General Administration of Culture and Environmental Awareness of the Central Administration for Information and Environmental Awareness, organized and implemented an environmental event at the Air Force Museum on "The Role of Youth in Environmental Protection.

The Road Beyond COP 27" in cooperation with the National Council for Youth and the Supreme Council of Culture (Geography and Environment Committee), and with the participation of students of the Faculty of Agriculture at Al-Azhar University.

EEAA / [Read more](#)

ESTONIA: OIL SPILL ON TALLINN'S STROOMI BEACH STILL AWAITING CLEANUP

February 3 - A heavy fuel oil spill discovered on Tallinn's Stroomi beach last summer is still yet to be fully cleaned up. At the time, with the source and extent of the spill unknown, the Estonian Health Board (Terviseamet) issued a warning against people going into the water in the area. Geologists have now completed the first tests on the spill, with initial results suggesting that it will probably be safe for swimmers to use the beach again this summer. ERR News / [Read more](#)

FINLAND: NEW SOLUTIONS AND TOOLS ARE BEING CREATED FOR ACHIEVING NATURE-CENTERED FUTURE



January 31 - New research and innovation project BIONEXT creates novel science-based solutions and tools for halting biodiversity loss and achieving sustainable, nature-centered future and societies.

The project produces guidelines and recommendations; develops an innovative nexus modelling framework that simulates the interlinkages between biodiversity, climate change, food, water, energy, transport, and health; and creates a Pathways app that allows users to explore and harness ways to create sustainable societies. BIONEXT is a four-year project.

During the four years the project demonstrates the reasons for biodiversity loss and makes visible the interdependences between

biodiversity, water, food, energy, transport, climate, and health. SYKE / [Read more](#)

INDONESIA: MORE MARINE PROTECTED AREAS PLANNED FOR MALUKU AFTER 2022 SPREE

January 16 - Authorities in Indonesia's Maluku province say they will establish new marine protected areas this year, following from five created last year alone, as part of wider efforts to preserve natural resources while boosting the local economy.

- The Maluku Islands in Indonesia will protect more swaths of their seas this year, following from the designation of five marine protected areas in 2022 alone.
 - The new protected areas will cover the waters around the western island of Buru, where fishing activity will be limited to traditional fishers using sustainable gear.
 - Indonesia currently has 284,000 square kilometers (110,000 square miles) of marine area under protection, roughly two-thirds of its target of protecting 10% of its waters.
 - The Maluku Islands sit within the Pacific Coral Triangle, an area renowned for its richness of corals and reef fish.
- Mongabay / [Read more](#)

ITALY: WORLD WETLANDS DAY: LIFE STREAMS PROJECT

February 2 - On the occasion of World Wetlands Day, ISPRA is presenting the LIFE Streams project whose main objective is the recovery and conservation of the native Mediterranean trout (*Salmo cettii*) through the planning and application of a series of coordinated actions leading to a valid for the entire species.

The project aims in particular to:

- Develop and test an additional set of conservation strategies (eradication of allochthones by electro-fishing, selective fishing and support actions to native populations through breeding, restocking and reintroduction)
- Guarantee the Minimum Vital Flow (MVF) thanks to integrated monitoring systems
- Develop an integrated strategy to combat illegal stocking phenomenon by focusing both on correct information and on the acquisition of new regulations
- Design and define a complete series of Guidelines for the conservation and management of the Mediterranean trout which become the main reference point for this kind of practice. ISPRA / [Read more](#)

SOUTH KOREA: IN REVIEW: ENVIRONMENTAL PROTECTION REGULATIONS

January 30 - A general introduction to the key environmental protection laws and regulations in South Korea, including with regard to air and water quality, chemicals and waste. Lexology / [Read more](#)

NIGERIA: BODO REMEDIATION AND RESTORATION PROJECT IS SUSPENDED UNTIL BODO COMMUNITY LEADERSHIP IS RESOLVED AND PEACE IS RESTORED

February 1 - On November 16, 2022, the Project's work camp in Bodo was burned and looted shortly thereafter. All equipment, supplies, trailers, kitchen facilities, and training tents were lost.

As a result, the Project's Management Team, composed of the BMI and representatives of the Bodo Community, Shell Petroleum Development Company Nig Ltd. (SPDC), and the Centre for Environment, Human Right & Development (CEHRD), suspended the Bodo Remediation and Restoration Project until peace in Bodo is restored and the safety of Project workers is assured...

For more details click here <https://drive.google.com/uc?export=download&id=1UaUYFR8Y8vE3ItvvJUGEMnZYJ2L1YEd>

NIGERIA: NEARLY 14,000 NIGERIANS TAKE SHELL TO COURT OVER DEVASTATING IMPACT OF POLLUTION



Photo on left: Oil pollution in Bille. Photograph: Handout

February 2 - Nearly 14,000 people from two Nigerian communities are seeking justice in the high court in London against the fossil fuel giant Shell, claiming it is responsible for devastating pollution of their water sources and destruction of their way of life.

The individuals from the Niger delta area of Ogale, a farming community, lodged their claims last week, joining more than 2,000 people from the Bille area, a largely fishing community. In total 13,652 claims from individuals, and from churches and schools, are asking the oil giant to clean up the pollution which they say has devastated their communities. They are also asking for

compensation for the resulting loss of their livelihoods. Their ability to farm and fish has been destroyed by the continuing oil spills from Shell operations, they claim. The Guardian / [Read more](#)

PAKISTAN: CIVIL SOCIETY TO TACKLE PLASTIC POLLUTION

January 31 - SPEECH DELIVERED BY: Inger Andersen FOR: Lecture for Civil Society at Sustainable Development Policy Institute
LOCATION: Islamabad, Pakistan

"My deep thanks to the Sustainable Development Policy Institute, or SDPI, for the invitation to talk to you about what we need to do, as a global community, to end plastic pollution. Allow me to begin by expressing my deepest condolences to families affected by the terrible terror attacks in Peshawar.

Plastic pollution is drowning and poisoning the planet. Nine billion tonnes of plastic were produced between 1950 and 2017. Of this, seven billion tonnes became waste. Today, 11 million tonnes of plastic flow into our oceans. Plastic pollution is in our waterways, **our food, our soil, animals and in us.**

Pakistan is, like every nation on the planet, no stranger to plastic pollution. Pakistan produced 3.9 million tonnes of plastic waste in 2020, over 65 per cent of which was mismanaged. 18 per cent of municipal solid waste produced in Pakistan is plastics. Only 3 per cent of plastic used by the manufacturing industry in Pakistan is recycled material. UNEP / [Read more](#)

QATAR-BASED EXPERTS WARN OIL SPILL OFF COAST COULD DISRUPT GLOBAL ENERGY SUPPLY

January 28 - Researchers have identified a "high vulnerability zone" in which an oil spill could result in the complete shutdown of desalination plants and liquefied natural gas export facilities along the Qatari coast for several days.

Published in [Nature Sustainability](#) and conducted through a collaboration between Hamad bin Khalifa University's Qatar

REPORTS FROM AROUND THE WORLD (CONTINUED)

Environment and Energy Research Institute (QEERI) and Belgium's University of Louvain, the study located a vulnerability to oil spills produced in a particular sea area covering about 15% of Qatar's territorial waters. Doha News / [Read more](#)

UK: MCA COUNTER POLLUTION TRAINING COURSES

January 31 - Information on training courses from the Counter Pollution and Salvage team including who should attend, course content and objectives, and how to apply. MCA / [Read more](#)

UK: AMBITIOUS ROADMAP FOR A CLEANER, GREENER COUNTRY

January 31 -. Plans to restore nature, improve environmental quality, and increase the prosperity of our country will be set out by the government today (Tuesday 31st January) as it publishes its [Environmental Improvement Plan 2023](#). Building on the vision set out five years ago in the [25 Year Environment Plan](#), with new powers and duties from the Environment Act, Agriculture Act and Fisheries Act, it provides a comprehensive delivery plan for the government's approach to halting and then reversing the decline in nature. DEFRA / [Read more](#)

USA: LATEST NEWS FROM NOAA OR&R

January 30 – Please click on the links below to download and read the latest news from NOAA OR&R

Settlement Finalized for Restoration at the Dupont Hay Road Hazardous Waste Site

After a public comment period, on Jan. 25, 2023 a [settlement was finalized](#) to resolve claims related to hazardous waste pollution from the du Pont de Nemours and Company ([Dupont Hay Road](#)) site on the Delaware River in Wilmington, Delaware.

NOAA Marine Debris Program Proudly Presents 2022 Accomplishments

On Jan. 26, 2023, the NOAA Marine Debris Program, within the Office of Response and Restoration, released its [2022 Accomplishments Report](#).

Public Meetings Provide Update on Huntington Beach, California Oil Spill and Solicit Ideas for Restoration Projects

Two virtual public meetings were held on Jan. 25, 2023, to inform the public about the status of the natural resource damage assessment being conducted for the Pipeline P00547 oil spill off of the coast of Huntington Beach, California. Restoration project ideas were also solicited.

NOAA Highlights Marine Debris Interception Infrastructure and Collaboration at Center for Watershed Protection

On Jan. 25, 2023, the NOAA Marine Debris Program California regional coordinator presented at the [Center for Watershed Protection\(link is external\)](#) 2023 Watershed and Stormwater Webcast Series.

Upcoming Training Opportunities at OR&R

The Office of Response and Restoration is gearing up for a busy year of training! We are excited to be back in-person, with our classic and most popular [Science of Oil Spills](#) (SOS) classes being offered in three locations across the country this year.



PEOPLE IN THE NEWS

NEW PEMSEA PROJECT MANAGERS



The PEMSEA Resource Facility (PRF) is pleased to announce the hiring of two Regional Project Managers to the PEMSEA team. With a wealth of experience in integrated coastal management (ICM) and other facets of coastal and ocean sustainability, they will lead new transboundary projects that will operationalize the concepts of 'source to sea' approach, 'integrated river basin management' and 'circular economy' and help improve the sustainability of our shared seas in the next five to six years.

On the left - Integrated River Basin Management (IRBM) Project: Nancy Bermas; On the right - Reducing Marine Plastics in the East Asian Seas Region: Won-Tae Shin

Nancy Bermas is no stranger to managing transboundary and interdisciplinary projects promoting integrated management approaches and strategic partnerships in the East Asian seas region. She used to manage the 8 country, multi-year

PEOPLE IN THE NEWS (CONTINUED)

UNDP/GEF/PEMSEA Scaling Up Implementation of Sustainable Development Strategy for the Seas of East Asia in 2019 and was a critical part in transforming PEMSEA from a regional pollution project to become an international organization with its own legal personality.

Nancy is also an experienced professional in the field of Integrated Coastal Management (ICM). With nearly two decades in developing, implementing and scaling up ICM initiatives, as well as supporting policy and program development for both national and local government, she is an expert in the diverse applications of ICM across different geographies and societies. She has worked on the development and implementation of ICM capacity building programs at various levels in the region. Nancy has conducted significant research and written extensively on ICM and has a number of published works on the sustainability of seas and coasts. She holds a Master's degree in Biology from the University of the Philippines.

Dr. Shin has developed over 15 years of experience in ocean and coastal management. He specializes in marine litter response and management, marine protected area management, and the sustainable blue economy. Prior to assuming his position as the Regional Project Manager, Dr. Shin has worked for various international organizations such as UNEP, UNDP, and UNOPS, as well as research institutes on coastal and ocean issues, as a consultant. He has also served as an environmental officer at the Ministry of Oceans and Fisheries of the Government of the Republic of Korea. Dr. Shin received his PhD degree in environmental engineering from the Georgia Institute of Technology, USA. <http://www.pemsea.org/>

NEWS FROM ISCO MEMBERS

Corporate Members of ISCO can by submitting news about new products and services in the “News from ISCO Members” section of the ISCO Newsletter. This is a free facility for 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 company. If you have some news you would like to share with readers of the ISCO Newsletter, send it to John.McMurtrie@spillcontrol.org

LAMOR AND METOCEAN TO COLLABORATE ON DATA DRIVEN TRAJECTORY TRACKING OF MARINE POLLUTION



Lamor has entered into a collaboration agreement with MetOcean Telematics, a Canadian company providing innovative full-spectrum telemetry products, options, and solutions for Environment, Marine, Defence, and Security clients. The aim of the collaboration is to further improve Lamor’s capabilities to provide a wider range of environmental preparedness solutions for its customers.

Through collaboration, Lamor utilizes the MetOcean drifting sensors, the Stokes Drifter and iSphere, to enhance tactical response abilities by using trajectory data in real-time sea conditions. The drifter sensors collect and transmit MetOcean data such as location and sea temperature. With this information, incident command can determine more accurate spill response tactics and thus minimize environmental impact. The re-usable drifter sensors are typically deployed in clusters from vessels or helicopters.

Lamor is already currently utilizing spill trajectory software in its oil spill response services and drifter sensor data can be used to enhance the accuracy of spill trajectory simulations and to improve the understanding of specific areas of critical consequence interest, such as archipelago, narrow straits, or locations with specific sea conditions.

“Response operations are always a battle against time and changing conditions. With more accurate input we will have better situational awareness and can improve the outcome of incident command decisions. The co-operation will support our goal to provide comprehensive environmental preparedness solutions for our customers”, says Magnus Miemois, Chief Commercial Officer of Lamor.

“We are thrilled to be working with Lamor and further enhancing its world-class oil spill response offering. By leveraging real-time, in-situ data collected by MetOcean’s drifting sensors, we’re confident Lamor, its clients, and the wider industry will see increased efficiencies and effectiveness in oil spill response operations”, says Kyle MacInnis, Business Development Manager.

The addition of the drifter sensors to Lamor’s broad portfolio of equipment and solutions for Oil Spill Response is a natural step in the company’s ambition to provide comprehensive solutions to its customers enabling them to be even better prepared to avoid environmental incidents. <https://www.lamor.com/>

CORRESPONDENCE

FROM BRAD RUTLEDGE OF ISCO CORPORATE MEMBER, BALAENA

January 23 - In response to the ISCO Newsletter excerpt concerning Nurdles, I would like to let you know that Balaena technology was demonstrated with 3mm plastic pellets aka “nurdles” at Ohmsett this past November and is able to recover floating plastic pellets and discharge them simultaneous to collection. We recently built a prototype “skimmer” which incorporates the same

CORRESPONDENCE (CONTINUED)

patented technology as our vessel and now is offered in a smaller, 850gpm skid mounted all in one unit for remote deployment via trailer or lift the skid unit and set on a barge for inland cleaning. The process is autonomous and we are really excited about our testing back at Ohmsett, the week of February 27th. I am attaching a video of our process recovering 3mm plastic pellets aka "nurdles" for you to see. Look forward to hearing how we may further educate the market on our achievements.

<https://www.youtube.com/watch?v=xJirs5iMAKg>

I hope I am able to clarify. Our tech has been in development for over 10 years and there is quite a bit of proprietary info so we are careful not to get too carried away generally. We are more than happy to discuss further because it is quite complex and difficult to convey in words alone.

You may not have seen our vessel in action so I'm sending a quick timelapse video of one of our test at Ohmsett. This is 900 gallons of oil and you can see it is in "ribbons" at about 5 minutes in. It's important to note that it cleans a sheen as well. I attached a clip of the results from the test as well. We will be back at Ohmsett Feb 27th week and from our last round of testing, believe our POC vessel will increase double the intake from 4 to 8,000 bbl per day recovery. Our design allows for oil or plastics recovery. We didn't change anything specific.

<https://www.youtube.com/watch?v=fuXdXXtUVoE>

Here is a clip from our desktop model prototype that was the original concept and shows floating plastics being ingested in our test tank prior to building the POC. These are plastic straws cut into tiny pieces....and I am guessing this was done around 5 plus years ago- hard to recall.

https://www.youtube.com/watch?v=6r_WVZ8ENgs&t=1s

For the deployable pod prototype, I attach a picture of the entire unit on a trailer. The pod (box) can be deployed from the skid unit on the trailer or loaded on a vessel so it has boom connectors on each side of the intake and is towable.



It ingests 850 GPM constantly, taking in fluids from the surface. As the fluid is ingested our technology is able to get rid of the clean water constantly, while allowing the floating pollutant to collect in our collection chamber. Level information is transmitted from an onboard sensor and the discharge pump engages on/off autonomously when the collection tank is nearly full and disengages the pump when nearly empty. This minimizes human error and ensures that minimal water is discharged with the product. (from the results at Ohmsett you'll see it was constantly at 95% oil to water ratio.

Notwithstanding a need to address debris, the pod can be installed as part of an underflow dam and circulating clean water slowly, but constantly.

Sorry for being longwinded and hope this helps paint a little clearer picture. Would love an opportunity to discuss this further, it is truly our passion. Brad Rutledge <https://balaenainc.com/>

NURDLES

ISCO is particularly interested in disseminating info on new technical developments in methodologies for cleaning up marine and shoreline pollution caused by releases of nurdles. Readers of the ISCO Newsletter are invited to contribute information that can be shared in our community and hopefully improve our capability to counter this pollution in more effective ways. In this new section we will post information received from members and other readers .

FROM ISCO MEMBER, ED LEVINE

February 2 - Info just received from Ed Levine - Doing a quick web search, this article seems to address many of the concerns:

<https://www.hellenicshippingnews.com/marine-plastic-pollution-are-nurdles-a-special-case-for-regulation/>

Here is what is stated on nurdle transportation -- Transportation by sea is within containers. Nurdles may be packaged in 25 kilo plastic bags stacked and wrapped on pallets. One 25 kilo bag contains about 1 million nurdles. A full container load of nurdles would be about 1 billion nurdles. To reduce the amount of plastic used in transporting the nurdles and to increase the volume per container, manufacturers may also blow nurdles into a single heavy plastic liner filling the container. If loaded this way, the container is tipped in a secure location and emptied at destination.

FROM ISCO INDUSTRY PARTNER, CEDRE

February - Key information on Industrial Plastic Pellets (IPG) - Find in this document Key information on Industrial Plastic Pellets (IPG) [Key information on IPGs](#) :

NURDLES (CONTINUED)

- General characteristics
- Transport of IPMs
- Releases to the environment
- Properties and impacts
- Shoreline clean-up techniques

as well as a summary of [Cedre's expertise in the field of marine litter since 2006](#)

SCIENCE & TECHNOLOGY

If you are interested in new technology you may 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/>

RECENT INTERESTING PEER-REVIEWED OIL SPILL PUBLICATIONS



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.

31. Oil Transport Following the Deepwater Horizon Blowout

Boufadel, M.C., Özgökmen, T., Socolofsky, S.A., Kourafalou, V.H., Liu, R., Lee, K.
(2023) Annual review of marine science, 15, pp. 67-93.
DOI: 10.1146/annurev-marine-040821-104411

ABSTRACT: The Deepwater Horizon oil spill in the Gulf of Mexico in 2010 was the largest in US history, covering more than 1,000 km of shorelines and causing losses that exceeded \$50 billion. While oil transformation processes are understood at the laboratory scale, the extent of the Deepwater Horizon spill made it challenging to integrate these processes in the field. This review tracks the Deepwater Horizon oil during its journey from the Mississippi Canyon block 252 (MC252) wellhead, first discussing the formation of the oil and gas plume and the ensuing oil droplet size distribution, then focusing on the behavior of the oil on the water surface with and without waves. It then reports on massive drifter experiments in the Gulf of Mexico and the impact of the Mississippi River on the oil transport. Finally, it concludes by addressing the formation of oil-particle aggregates. Although physical processes lend themselves to numerical modeling, we attempted to elucidate them without using advanced modeling, as our goal is to enhance communication among scientists, engineers, and other entities interested in oil spills

32. Risk assessment of marine oil spills using dynamic Bayesian network analyses

Liu, Z., Han, Z., Chen, Q., Shi, X., Ma, Q., Cai, B., Liu, Y.
(2023) Environmental Pollution, 317, art. no. 120716,
DOI: 10.1016/j.envpol.2022.120716

ABSTRACT: Oil spills are serious threats to the marine ecosystem. Especially when an oil spill is faced with extreme weather, the consequences might be more severe. Until now, no such researches focus on the risk of these extreme scenarios. This paper proposes a novel dynamic assessment method to quantify the risk of oil spills in extreme winds based on dynamic Bayesian networks (DBNs). The physical models of advection, spreading, evaporation, and dispersion are transformed into DBNs, and the vulnerability model is established according to coastline types and socio-economic resources. By integrating all the sub-models, the overall DBN to quantify the dynamic risk of oil spills occurring in extreme winds is obtained. The proposed method is demonstrated by the Laizhou Bay. The developed model is validated by a three-axiom-based approach. Temporal and spatial dynamics of risk caused by oil spills in potential locations could be calculated. Based on the developed DBN, the risk of the Laizhou Bay coast caused by oil spills in annual extreme wind speeds corresponding to different mean recurrence intervals is studied. In addition, the effects of the occurrence time of annual extreme winds are also researched.

33. Improving mass transfer rates in microbial cell immobilization system for environmental applications: Synergistic interaction of cells on crude oil biodegradation

Partovinia, A., Khanpour-Alikelayeh, E., Talebi, A., Keranian, H.
(2023) Journal of Environmental Management, 326, art. no. 116729,
DOI: 10.1016/j.jenvman.2022.116729

ABSTRACT: Among the various techniques used to clean up polluted environments, bioremediation is the most cost-effective and eco-friendly option. The diversity of microbial communities in a consortium can significantly affect the biodegradability of hazardous organic pollutants, particularly for in situ bioremediation processes. This is largely attributed to interactions between members of a consortium. In this study, the effect of internal diffusion limitations in substrate model biodegradation was firstly examined by immobilized bacterial cells at different particle sizes produced by the electrospray technique. According to the obtained results, for particles with large size, the effectiveness factors (η) were about 0.58–0.67, and the resistance to diffusive on the biodegradation rate was significant, while with decreasing the particle size, η increases and approaches about 1. After selection of suitable bead size, heavy crude oil biodegradation was investigated using a consortium consisting of three oil-degrading bacterial strains at different treatment systems. The removal rate in the suspended co-culture system stands at minimum value of 38% with all three strains which is an indicator of negative interactions among consortium members. Independent immobilization of microorganisms minimizes the competition and antagonistic interactions between strains and leads to more crude oil removal, so that, the biodegradation rate reached 60%.

34. Impacts of dispersants on microbial communities and ecological systems

Techtmann, S.M., Santo Domingo, J., Conmy, R., Barron, M.
(2023) Applied Microbiology and Biotechnology,
DOI: 10.1007/s00253-022-12332-z

ABSTRACT: Abstract: Accidental oil spills can result in catastrophic ecological insults and therefore require rapid intervention to mitigate the potential impacts to aquatic ecosystems. One of the largest oil spills, known as the Deepwater Horizon oil spill, occurred in the Spring of 2010 near the coast of Louisiana (USA) due to an explosion during oil drilling activities. Millions of gallons of oil were released into the Gulf of Mexico, impacting thousands of ocean miles and coastal areas linked to the gulf. Among the actions taken during the remediation efforts was the unprecedented large use of Corexit dispersants, including at the subsurface to prevent oil from reaching the surface. While there is evidence that dispersants can accelerate the biodegradation of oil, reports on their potential toxicity to aquatic biota and to microbial functions have also been documented. In this review, we will examine the most recent literature on the impact of dispersants on microbial communities implicated in oil degradation and overall ecological networks. The primary focus will be on studies using Corexit but other dispersants will be discussed if data are available. We will share the literature gaps identified and discuss future work that is needed to reconcile some of the discrepancies found on the effectiveness of dispersants on oil degradation and their potential toxicity. Key points: • Chemical dispersants have been applied as a chemical response measure for oil spills. • The effects of chemical dispersants on microbial communities have been the subject of substantial research. • This work seeks to review recent work on the impact of chemical dispersants on oil biodegradation, microbial communities, and ecosystems.

35. An integrated investigation of hydrocarbon pollution in Ahoada area, Niger Delta Region, Nigeria

Umar, H.A., Khanan, M.F.A., Shiru, M.S., Ahmad, A., Rahman, M.Z.A., din, A.H.M.
(2023) Environmental Science and Pollution Research, .
DOI: 10.1007/s11356-023-25144-z

ABSTRACT: This study investigates hydrocarbon pollution in the Ahoada community of the Niger Delta region of Nigeria. The study uses a geographic information system (GIS) for mapping oil spill hotspots in the region. The resistivity method was used to delineate the extent of hydrocarbon pollution to a depth of 19.7 m in the Ahoada area of the region. Three categories of soil samples, impacted soil (IMS), remediated soil (RS), and control soil (CS), were collected and analyzed for the presence of BTEX, PAH, TPH, TOC, and TOG. The concentrations of the samples from the IMS and RS were compared to that of the CS to determine the extent of pollution. The GIS mapping shows that the most polluted areas in the Niger Delta Region are Rivers, Bayelsa, and Delta states. Results of the geophysical images revealed contaminants' presence to depths beyond 20 m at some locations in the study area. The highest depth of contaminant travel was at Ukperede. Soil samples' analysis showed that the range of concentrations of TPH in IMS at Oshie was 17.27–58.36 mg/kg; RS was 11.73–50.78 mg/kg which were higher than the concentrations of 0.68 mg/kg in the CS. PAHs are more prevalent in Ukperede, ranging from 54.56 to 77.54 mg/kg. BTEX concentrations ranged from 0.02 to 0.38 mg/kg for IMP and 0.01–2.7 mg/kg for RS against a CS value of 0.01 mg/kg. The study revealed that there are characteristically high resistivity values in the samples which were corroborated by the findings from the resistivity survey. TOC was found to be higher in the IMS and RS than in the CS, demonstrating that a significant quantity of the hydrocarbon has undergone appreciable decomposition.

TRAINING COURSES (

Training Course Providers – Please check entries below and advise editor on any necessary updates.

USEFUL LINKS

TRAINING COURSES (CONTINUED)

- 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 - <https://wwz.cedre.fr/Menu-secondaire/A-la-une/Le-calendrier-des-formations-2023-est-disponible>
- 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 MARINE POLLUTION & MANAGEMENT – LLOYD’S MARITIME ACADEMY

Online, 12 weeks, Starts 15th March 2023 [Visit website for more info](#)

CERTIFICATE IN ALTERNATIVE FUELS – LLOYDS MARITIME ACADEMY

Online, Starting 25 April 2023 Delivered by digital learning over 14 weeks. [Visit website for 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

- Webinar from UK & Ireland Spill Association – “Identification of effective tools and equipment for controlling plastic feedstocks at source to prevent escape to drains and rivers”, Wednesday 15 February, 1500 GMT
- Canada – Winter 2023 Oceans Protection Plan (OPP) Dialogue Forum, 22-23 February 2023
- Portugal – World Ocean Summit & Expo, February 27 – March 1, Lisbon, Portugal
- Webinar – EM OSR Knowledge Transfer- “Oil Spill Assessment and Clean-Up through the ages”, Dr Erich Gundlach. 7th March
- Webinar from ALGA – “Microplastics Policies & Research Around the Globe”, Thursday 23 March, 8.00am – 9.30am AEDT
- OSRL Webinar – “Subsea Response Readiness”, Wednesday 5 April, 1400 GMT
- Webinar from UK Spill & Ireland Association – “Sustainable Spill Response”, Wednesday 19 April, 1500 BST

RECENTLY ADDED TO THE UPCOMING EVENTS PAGE

- OSRL Webinar – TPR Series – “Source Control”. 1 February, 1430-1500 GMT
- OSRL Webinar – TPR Series – “Incident Management System”, 15 February, 1430-1500 GMT
- Webinar from HalenHardy – “Mitigating the Impacts of Stormwater Pollutants”, 22 February, 10 am EST
- Gabon – OSRL Technical Forum, 23 March 2023
- Japan – Hybrid PAJ Oil Spill Workshop 2023 – “Latest challenges for major oil spill response” – Tokyo. February 22nd 2023
- Ireland – UK & Ireland Spill Association – Regional Networking Event – Belfast, 29th March 2023
- Canada – 45th Technical Seminar on Environmental Contamination & Response, Edmonton, Alberta, 4-6 June, 2023
- Norway – NOSCA Seminar 2023, Bodo, Norway, 20-24 March, 2023
- USA – Clean Waterways Conference & Exhibition, Denver CO, 11-13 April 2023
- European Maritime Day, Brest, France, 24-25 May, 2023
- UK: Hazmat 2023 Conference, 24-25 May 2023

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

SOME OTHER INFO AND UPCOMING EVENTS

Details of 7 more webinars from US EPA at <https://clu-in.org/techdirect/td022023.htm>

Australia – April 26 & 27 – PFAS Training & Workshop, University of Technology, Sydney – [More info](#)

USA: May 8, 2023 - APICOM GM Meeting, Santa Barbara, CA, Location - MSRC's facility at Carpinteria

Recordings of past EM OSR Knowledge Transfer Webinar Recordings – [Access and Download](#)

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

NOSCA will arrange the next NOSCA Seminar in week 12/23 (20-24.03.23) in Bodø/Norway. The seminar will focus on following topics:

- Early warning, remote sensing technologies
- Subsea dispersion
- Experiences from recent incidents
- Standardization project
- Technology transfer: From traditional oil spill prevention to combat marine litter
- Observation of OKEA's large scale exercise "Draugen"

Price: NOK 16.500 incl. hotel accommodations and all local transports. Please register by Dec 31, 2022 by using the link below (payment by Paypal) or send an email to info@nosca.no Our main topic will be "Tomorrow's challenges and solutions within oil spill response". Beside of two conference days, the seminar participants will be able to observe the large scale exercise "D1H" which will be carried out by NOFO and OKEA. For more information and registration please read <https://www.nosca.no/nosca-seminar/>

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

Clean Waterway takes place at the Hilton Denver City Center Hotel in Denver, CO, on April 11-13. [More News re conference & abstract submission](#) [Registration](#) [Introduction to the Planning Committee](#) [EXHIBIT SPACE AND SPONSORSHIPS ARE AVAILABLE](#) [Agenda](#).

CROATIA: ADRIASPILLCON 2023, OPATIJA, 16th - 18th MAY, 2023

ADRIASPILLCON 2023 will be held in Opatija, Croatia, between 16 and 18 May 2023 and is being organized by ATRAC - Adriatic training and education centre for accidental marine pollution preparedness and response, with the support of the Ministry of Maritime Affairs, Transport and Infrastructure. The Conference, complemented with an exhibition of relevant products and services, aims at providing a forum for exchange of experience and knowledge in the fields of prevention, preparedness for and response to accidental marine pollution by oil and other hazardous and noxious substances (HNS), among the participants from the Adriatic region and their counterparts from other parts of Europe and the Mediterranean.

All the relevant information will soon be available on the Conference website <https://adriaspillcon.com/>.

CANADA: 45TH AMOP TECHNICAL SEMINAR ON ENVIRONMENTAL CONTAMINATION AND RESPONSE: EDMONTON, 6-8 JUNE 2023

The Seminar provides a forum for professionals working in the field of oil and hazardous materials spills. The forum facilitates the transfer of scientific results and is intended to link research and the operational community. All submitted papers are peer-reviewed by scientific and technical experts. The Technical Seminar features plenary sessions of 10- or 20-minute presentations on spill-related topics including Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE). Sessions will begin at 8:00 a.m. each day. The presentations are followed by a 5- or 10-minute question and answer period. Sessions may also conclude with Speaker's Corner presentations at which results of more recent research can be discussed without an associated paper. Government of Canada / [Seminar Information](#)

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

The Australian Institute of Petroleum (AIP) and the Australian Marine Oil Spill Centre (AMOSC) invite you to attend the international oil spill conference for the Asia-Pacific region, Spillcon 2023. Spillcon 2023 will bring together local, regional and global environmental and shipping representatives across industry, government and non-government organisations to provide an avenue to discuss issues including causes and prevention, preparedness, response management and environmental issues. Spillcon 2023 has been confirmed for 11 – 15 September 2023 at the Brisbane Convention and Exhibition Centre, Queensland, Australia. This website will be regularly updated with further information for sponsors, exhibitors and delegates. <https://www.spillcon.com/>

USA: CLEAN GULF CONFERENCE & EXHIBITION – SAN ANTONIO, NOVEMBER 7-9, 2023

Now Accepting Abstracts for the 2023 CLEAN GULF Conference - The 32nd annual CLEAN GULF Conference is extending an industry-wide call for participation. Prospective speakers are invited to submit a 200-300 word abstract(s) [online](#) for consideration by the program committee by Friday, February 24th. All abstracts are reviewed for content and relevance by the planning committee and are selected by consensus.

Now Accepting Reservations for Exhibit Space and Sponsorships for CLEAN GULF 2023 - Make an impact on buyers from oil & gas, maritime, rail, environmental companies and regulatory agencies with an exhibit space or sponsorship at the [CLEAN GULF Conference & Exhibition](#). Attendees at CLEAN GULF are looking for new products, services, and technologies to help them better prepare or respond to a hazardous spill or environmental emergency.

USA: IOSC 2024 CALL FOR PAPERS AND POSTERS REMINDER

MESSAGES FROM EVENT ORGANISERS (CONTINUED)

The International Oil Spill Conference (IOSC) brings together the broadest range of global oil spill response professionals to discuss the latest research, technology, and resources impacting our community today. Submit a proposal to become a leader at our next convening in New Orleans, Louisiana, May 13 - 16, 2024.

Click on <https://ssl.linklings.net/conferences/IOSC/> to visit the submission site. Then, select the "Create an Account" tab at the top of the page to begin your submission. All submissions are due April 24, 2023

CONTRACTS, TENDERS AND BUSINESS OPPORTUNITIES

INTERNATIONAL OPEN TENDER NOTIFICATIONS

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 Updates <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>

JOB VACANCY

USA: DIRECTOR, NATIONAL SPILL CONTROL SCHOOL

TAMU-CC is a dynamic university designated as both a Hispanic-Serving Institution (HSI) and Minority-Serving Institution (MSI) with approximately 11,000 students from 47 states and 54 foreign nations. We employ over 1,400 full-time and 2,000 part-time Islanders (including students/GAs). The University attracts highly talented faculty and staff and offers an array of undergraduate and graduate degrees, including doctoral programs. As a member of the Texas A&M University System, TAMU-CC benefits from a range of resources, increased visibility and influence, and opportunities to collaborate in mutually beneficial ways with peers across member institutions and associated agencies.

TAMU-CC's beautiful campus is located on a 240 acre island on Corpus Christi Bay and was ranked #1 College by the Sea by Best College Reviews. Our natural setting is enhanced by its modern, attractive, and state-of-the-art classroom buildings and support facilities. From our generous benefits package and professional development opportunities, to our retirement programs and our commitment to service excellence, the Island University is an engaging and rewarding place to work.

For more information and details on how to apply, please visit –

https://tamus.wd1.myworkdayjobs.com/en-US/TAMUCC_External/job/Corpus-Christi-TX/Director--National-Spill-Control-School_R-056071

LINKS FOR DOWNLOADING AND READING OTHER PUBLICATIONS

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<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. ISCO depends on regular receipt of updated URL links for listed publications. If these are not received, relevant entries will be discontinued.

NEW PUBLICATIONS



In this collection of interviews to kick off 2023, we hear about motivations to build a healthier, more biodiverse, climate-resilient planet. [Download the newsletter](#)



[The World Ocean Summit](#) in Lisbon at the end of February and early March will bring the ocean community together to inspire ocean solutions. This year will be vital in making progress on building a sustainable ocean economy in order to tackle the three interconnected planetary crises: climate change, biodiversity loss and pollution. If you haven't already registered for the summit, you can do so [here](#).

INCIDENT REPORTS

MARITIME ACCIDENTS REPORTS FROM MARITIME BULLETIN www.maritimebulletin.net

RUSSIA SAYS PIPELINE LEAK IN SIBERIA CAUSED 200 SQ M OIL SPILL

January 30 - Russia's emergencies ministry said on Monday that a pipeline leak near the Siberian city of Omsk caused an oil spill spanning 200 square metres last week. It said the leak was discovered on Friday and has since been contained. The pipeline is owned by operator Transneft, the RIA news agency reported, citing a source. Devidiscourse / [Read more](#)

UK: PILOTS PREVENT GROUNDING AFTER 20,000 TEU BOXSHIP LOSES POWER



Photo courtesy of UKMPA

January 31 - Marine pilots aboard the boxship MOL Treasure skillfully prevented a casualty when the vessel lost power Thursday on the approaches to the Port of Southampton, according to the UK Maritime Pilots Association. The Maritime Executive / [Read more](#)

SINGAPORE STRAIT: MSC MEGA CONTAINER SHIP AGROUND IN SINGAPORE STRAIT

January 31 - Container ship MSC FAITH ran aground at around 2000 LT Jan 31 in Singapore Strait halfway between Singapore and Riau islands, shortly after leaving Singapore, bound for Yantian China. As of 1050 LT Feb 1, was in the same position, with tugs working on her. www.maritimebulletin.net

February 1 - MSC Containership Grounds Departing Singapore - One of MSC's ultra-large containerships grounded off Batam after departing Singapore. Reports indicate that there were no injuries and pictures show the vessel sitting on an even keel although there were fears that it might be a more serious incident. The Maritime Executive / [Read more](#)

RUSSIA: UKRAINE STRIKES KEY RUSSIAN PIPELINE THAT SUPPLIES 33 MILLION TONNES OF OIL TO EUROPE

February 1 - A Ukrainian rocket has reportedly struck a key Russian [oil](#) pipeline that normally sees 33 million tons of oil transit through it on its route from [Russia](#) into Europe, bypassing [Ukraine](#). Experts who arrived at the scene said the oil station was left slightly damaged and without electricity. The blast has also reportedly left a funnel with a diameter of 20 metres. It impacted the Tochkoj-U section of the Druzhba oil pipeline in the Bryansk region of [Russia](#), near the Novozybkov oil pumping station. Express / [Read more](#)

THAILAND: CONTAINER SHIPS COLLIDED IN BANGKOK FAIRWAY UPDATE

February 3 UPDATE: Still aground. Feb 2 UPDATE: WAN HAI 272 is aground and as of Feb 2, remains aground. Container ship WAN

INCIDENT REPORTS (CONTINUED)

HAI 272 collided with container ship SANTA LOUKIA in Bangkok approach fairway at around 0835 LT Jan 28, near buoy 9. WAN HAI 272 sustained portside damages in fore cargo deck area, and remained at collision site, probably grounded, or entangled with buoy. As of 1130 LT Jan 28, WAN HAI 272 remained in the same position, with 3 tugs working on her. WAN HAI 272 was sailing to Laem Chabang from Bangkok, she arrived at Thailand from China. SANTA LOUKIA suffered cargo deck damages, but was able to continue voyage and arrived at destination port, Bangkok, same day. On Jan 29 she left Bangkok, bound for Laem Chabang. The ship arrived at Thailand from Singapore. www.maritimebulletin.net

TWELVE GOOD REASONS WHY YOU SHOULD BE A MEMBER OF ISCO

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

- 1. INDUSTRY RECOGNITION - Be recognised as a member of a worldwide community of professionals who share a common interest.**
- 2. EXPOSURE ON ISCO DIRECTORY - 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. More info available from Mike Watson at mike@mwadigital.com**
- 3. RECEIVE REQUESTS FOR EMERGENCY PROVISION - 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.**
- 4. ISCO INITIATIVES - CONTRACTUAL ARRANGEMENTS, ETC - 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. See <https://spillcontrol.org/response-contract/>**
- 5. PR, PUBLICITY AND ANNOUNCING NEW PRODUCTS AND SERVICES - 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 50 countries. Corporate Members of ISCO can submit news about new products and services in the “News from ISCO Members” section of the ISCO Newsletter. It's a cost-effective way to promote your company. Disseminating news about new technical developments is of value to our community. Corporate Members are invited to contribute articles. Contact Editor, John McMurtrie at john.mcmurtrie@spillcontrol.org**
- 6. EXHIBITIONS AND CONFERENCES - Benefit from negotiated discounts in attending conferences and exhibitions – the savings can significantly offset the cost of maintaining your membership.**
Promoting ISCO and your company on your exhibition booth - While collecting ISCO Membership Placards at the end of the IOSC exhibition (for later re-issue at other events) a member exclaimed “Oh no, we would like to keep it and put it on our booth at other shows”. Displaying the ISCO Membership Placard on your booth indicates your support of an organization dedicated to improving worldwide co-operation and preparedness.
- 7. ENHANCE RESPONSE KNOWLEDGE OF YOUR STAFF - 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.**
- 8. CURATED NEWS IN THE ISCO NEWSLETTER - The ISCO Newsletter keeps 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.**
- 9. OPPORTUNITY FOR LOBBYING FOR LEGISLATIVE CHANGE - 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.

- 10. USE OF ISCO LOGO IN PROMOTIONAL MATERIAL - 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.**
- 11. CORPORATE MEMBERS can place low cost advertisements in the ISCO Newsletter reaching out every week to over 3,000 potential customers in over 60 countries. Newsletter readers represent a highly targeted audience for promoting sales of response equipment, materials, consultancy services and training courses. For details, please contact Mike Watson at mike@mwadigital.com**

12. STUDENTS, APPRENTICES and TRAINEES can have free student membership for the duration of their studies and upon completion of their period of free membership are encouraged to become Individual Members of ISCO. Student Members are linked into an international network of students and can get help from other ISCO members who have expertise that can assist them in their studies. For more information, contact Student Group Leader, Peter Balogun Kayode at balogunkayodepeter@yahoo.com

For more information visit www.spillcontrol.org

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

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