

## ISCO & THE ISCO NEWSLETTER

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

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

### ISCO EXECUTIVE COMMITTEE

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

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- Mr Dan Sheehan (USA)
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- Mr John Wardrop (Australia)
- Mr Marc Shaye (USA)
- Mr Michael Watson (UK)

## HEADLINE INTERNATIONAL NEWS

### AS IMPACTS ACCELERATE, ADAPTING TO CLIMATE CHANGE MUST BECOME A GLOBAL PRIORITY

UNEP Report - As climate impacts intensify across the globe, nations must dramatically increase funding and implementation of actions designed to help vulnerable nations and communities adapt to the climate storm, according to a new United Nations Environment Programme (UNEP) report.

Released ahead of COP27 – the latest round of climate talks taking place in Sharm El-Sheikh, Egypt – *The Adaptation Gap Report 2022: Too Little, Too Slow – Climate adaptation failure puts world at risk*, finds that global efforts in adaptation planning, financing and implementation are not keeping pace with the growing risks.

"Adaptation needs in the developing world are set to skyrocket to as much as \$340 billion a year by 2030. Yet adaptation support today stands at less than one-tenth of that amount. The most vulnerable people and communities are paying the price. This is unacceptable," UN Secretary-General António Guterres said in a statement on the release of the Adaptation Gap Report.

"Adaptation must be treated with a seriousness that reflects the equal worth of all members of the human family. It's time for a global climate adaptation overhaul that puts aside excuses and picks up the toolbox to fix the problems," he added.

The report finds that linking adaptation and mitigation actions – such as nature-based solutions – from the outset in planning, finance, and implementation can enhance co-benefits. Implementation of adaptation actions – concentrated in agriculture, water, ecosystems and cross-cutting sectors – is increasing, but not keeping up with climate impacts. Without a step change in support, adaptation actions could be outstripped by accelerating climate risks.

The authors conclude that strong political will is needed to increase adaptation investments and outcomes. Crises such as the war in Ukraine and the COVID-19 pandemic cannot be allowed to derail international efforts to increase adaptation. Unprecedented political will and more long-term investments in adaptation are urgently needed to avoid the adaptation gap from widening. UNEP / [Read more](#)

## ISCO AMBASSADORS

(Members with special responsibilities in specified geographical areas)

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

## MEMBERSHIP OF ISCO

[Benefits of Membership](#)

[Online Membership Application Form](#)

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



Click on the link below –

<https://www.linkedin.com/groups/4016064/>

## AND ISCO'S FACEBOOK GROUP

Click on the link -

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

## WHATSAPP GROUP FOR STUDENTS, TRAINEES & APPRENTICES

Here is the link for joining this group –

<https://chat.whatsapp.com/KMxdW7IEal79namyNlBVqg>

## 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](#)

## ISCO NEWS

## ISCO NEWS

### ISCO 2022 ANNUAL GENERAL MEETING

All Members of ISCO are invited to attend the 2022 ISCO AGM to be held at 1900hrs GMT on Thursday 15th of December 2022. The meeting will take the form of a virtual online meeting. The Instructions for joining the Meeting will be advised nearer the date of the Meeting.

The formal Notice of Meeting, Agenda, Meeting Papers and Voting Form will be circulated by email to Members on 15<sup>th</sup> November 2022.

### CLEAN GULF 2022 REPORT



*Above: Photo taken at the entrance to the Conference Venue. The title of the Clean Gulf event can be seen with the delegations of Peru and Colombia among which there are several members of ISCO (LAMOR Peru, Varichem Colombia) and others.*

#### Clean Gulf Returns to New Orleans at Pre-pandemic Delegate and Exhibitor Levels

The 31st annual Clean Gulf Conference and Exhibition returned with great success to the New Orleans Convention Center from November 8 – 10 2022.

According to conference organizer Clean Events, delegate participation approached 1,500, approximating pre-pandemic levels. Exhibitor interest also peaked beyond the originally allocated space, and was expanded to accommodate over 100 displays from all over the world. A new "Beer Garden" concept was showcased. This area, slightly off the main exhibition floor, provides additional networking space, and an opportunity for exhibitors to consider the potential value of set-up in higher traffic areas.

This year comprised 30 sessions and panels featuring regulatory authorities, as well as spill response industry professionals involved in prevention, preparedness, and response. Two interesting Workshops (Oil Spill Response Research Managers Collaboration and Risk and Crisis Communication) had wide participation on the first day of the event. Clean Gulf has a well-deserved reputation for including the topic of Case Studies, in which professionals from the field relate their experiences in a very transparent manner. Coupled with ensuing discussions, these studies provide valuable information for industry and regulators.

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spillcontrol@mwadigital.com**

## ISCO NEWS (CONTINUED)

Two international Case Study panels were held. One highlighted the case of the X-Press Pearl in Sri Lanka, the FSO Safer in Yemen. In addition, an entire Special Session was devoted to the case of the spill in Peru in January 2002. This Session was the first specialized event outside Peruvian borders that covered both regulatory and technical challenges of the response.

More than 100 exhibitors were present, including several corporate members of ISCO, who were identified with accreditation placards. Helena Rowland and Larissa Montas welcomed visitors to the ISCO Stand. For the first time, ISCO provided brochures in both the Spanish and English languages, expanding multi-national outreach to professionals who inquired about the objectives and services of the organization.

ISCO member CTEH, LLC celebrated its 25th anniversary with an opening night reception at New Orleans' World War II Museum. Under the backdrop of vintage airplanes and period videos, about 500 invited delegates enjoyed local delicacies and entertainment thematic of the 1940s.

ISCO member Crucial, Inc. hosted a contrasting Wednesday evening event at Fulton Alley, a bowling lanes venue. Invited guests had the opportunity to challenge each other to shuffleboard and tabletop foosball in addition to the eponymous bowling while enjoying typical New Orleans food and drinks.

ISCO appreciates the assistance of SCAA Executive Director Emeritus, John Allen, drawing a winning business card from over 25 entrants in our traditional single-malt Scotch raffle. Ambipar's Emma Hennessey was the lucky recipient (see photo of presentation).

ISCO looks forward to welcoming the prospective members we met at Clean Gulf, as well as all other interested parties. Please visit [www.spillcontrol.org](http://www.spillcontrol.org) for more information. [Thanks to Helena Rowland and Carlos Sagrera]



Above: The ISCO team at Clean Gulf, from left to right, Carlos Sagrera, Helena Rowland, Dr Larissa Montas



Above left : The winner of the draw was Emma Hennessey , Marketing Director US Operations, Ambipar Response, based in Birmingham, Alabama. Presented by ISCO representative Dr Larissa Montas. Above right: The ISCO team were kept busy with many visitors interested to learn more about ISCO.

## CAPT. D. C. SEKHAR, M.D. of ALPHAMERS AND MEMBER OF ISCO COUNCIL FOR INDIA INVITED TO GIVE KEYNOTE ADDRESS AT OIL SPILL CONFERENCE



Captain Sekhar, ISCO Member of Council for India, has been invited to give a keynote address at the World Oil Spill Conference-2022 (WOSC22) to be held from 7th to 8th December 2022 at Vigyan Bhawan, New Delhi, India. [www.worldoilspill.in](http://www.worldoilspill.in)

Capt. Sekhar's Keynote Address is scheduled in the Session-IV on "Emerging Challenges of Oil Spill Trends, Technology and Concerns" on Thursday, 8th December 2022 at Vigyan Bhawan, New Delhi, India. In his keynote address he will include a reference to ISCO.

Captain Sekhar will also be speaking at the International Waste to Worth Conference being held on 30<sup>th</sup> November 2022 in New Delhi, India.

<https://www.ciwaste2worth.com/international-conference-2022.php?page=Conference>

The focus of this conference is "Moving towards a circular economy through innovative processes".

Capt, Sekhar will be speaking on the subject of river clean-up.



## INTERNATIONAL & REGIONAL NEWS

### ENHANCING PARTNERSHIPS AND ENVIRONMENTAL PROTECTION THROUGH THE ACP MEAS PROGRAMME

November 5 - The third Project Steering Committee (PSC) Meeting of the Capacity Building related to Multilateral Environmental Agreements (MEAs) in African, Caribbean, and the Pacific Countries (ACP MEAs) Programme was held from 19-20 October in Brussels, Belgium.



## INTERNATIONAL & REGIONAL NEWS (CONTINUED)

The aim of the Programme is to empower key stakeholders to address environmental challenges and to reap the benefits of improved environmental management at the national and regional levels.

During the 3rd PSC, the implementation status of the programme was reviewed and strategic priorities and cross-cutting issues of the programme were identified. These included strengthening the science-policy interface, enhancing south-south exchange, and the alignment of actions among implementing partners using emerging opportunities. UNEP / [Read more](#)

### CALL FOR REGISTRATION: PARTICIPATION OF OBSERVERS IN INTERGOVERNMENTAL MEETINGS OF THE CARTAGENA CONVENTION

November 7 - In accordance with Rules 53 (Participation of UN and its Subsidiary Bodies) and 54 (Participation of other Observers) of the Cartagena Convention's Rules of Procedure, the Secretariat may invite the "United Nations, any subsidiary body thereof, or any specialized agency...any international inter-governmental or non-governmental organization, which so requests, to any meeting or conference as an observer provided that organization has a direct concern in the protection and development of the marine environment of the Wider Caribbean Region."

At this time, the Cartagena Convention Secretariat is preparing for the following intergovernmental meetings of the Convention and its Protocols: Scientific and Technical Advisory Committee meetings of the LBS and SPAW Protocols to be held at the from 30 January - 3 February 2023, and the Conferences of Contracting Parties to the Convention, and to the LBS and SPAW Protocols which will conv Climate action in the Mediterranean: join the conversation at COP 27ene 27 - 31 March 2023.

Interested organizations that wish to attend one or all of the aforementioned meetings are asked to complete the following form by Friday 18 November 2022: <https://forms.office.com/r/WB67V2wDuV> UNEP / [Read more](#)

### CLIMATE ACTION IN THE MEDITERRANEAN: JOIN THE CONVERSATION AT COP 27

November 7 - The Mediterranean Action Plan of the UN Environment Programme (UNEP/MAP) and its [Components](#) are taking part in the [Mediterranean Pavilion](#) located in the Blue Zone at UNFCCC COP 27 (6-18 November 2022, Sharm el-Sheikh, Egypt).

The Mediterranean Pavilion—the first of its kind to be set up at a UN Climate Change Conference—is an initiative led by the Union for the Mediterranean (UfM) together with UNEP/MAP and the PRIMA Foundation, along with a coalition of institutions dealing with climate action in the region.

Two UNEP/MAP Components, namely [Plan Bleu](#) (the UNEP/MAP Regional Activity Center specializing in sustainable development) and [MedWaves](#) (the UNEP/MAP Regional Activity Centre for Sustainable Consumption and Production), as well as the network of experts [MedECC](#) are co-sponsoring this initiative through the Government of Catalonia of Spain and the EU-funded SwitchMed programme. UNEP / [Read more](#)

### TRIBUTE TO LATE MR. WILLIAM O'NEIL, IMO SECRETARY-GENERAL EMERITUS



*Mr. O'Neil was Secretary-General of IMO from 1990 to 2003. Photo courtesy of IMO*

November 8 - IMO Secretary-General, Mr. Kitack Lim, used the annual IMO Awards ceremony (2 November) as an opportunity to pay special tribute to the late Mr. William A. O'Neil, IMO Secretary-General Emeritus, who died in the United Kingdom on 29 October 2020, aged 93. Mr. O'Neil was Secretary-General of IMO from 1990 to 2003.

Addressing the audience, which included Mr. O'Neil's widow, Mr. Lim said Mr. O'Neil had made "a huge personal contribution to securing globally applicable safety, security and environmental standards," during his 14 years as IMO Secretary-General.

Describing him as "a great friend to the Organization and to all of us, the Secretary-General went on to detail the "lasting legacy" Mr. O'Neil left on the Organization through his commitment to the universality of IMO, and the significant increase in membership that he oversaw.

"He encouraged wide and effective participation in the Organization from all stakeholders in the maritime sector", Mr. Lim said. IMO / [Read more](#)

### THE OCEAN PAVILION ANNOUNCES SCHEDULE OF EVENTS FOR COP27

November 9 - [The Ocean Pavilion](#), led by a group of the world's leading ocean science and philanthropic organizations, including [Scripps Institution of Oceanography](#) at the University of California San Diego and the [Woods Hole Oceanographic Institution](#) (WHOI), has released its [schedule of events](#) for the upcoming 27th Conference of the Parties (COP27) in Sharm el-Sheikh, Egypt.

The Ocean Pavilion represents the first time the ocean has been a singular focus of a pavilion inside the central "Blue Zone." It will host approximately 60 sessions over the two-week period from Nov. 6-18. Topics and discussions will highlight the crucial importance of the ocean to Earth's climate, and to efforts to mitigate the effects of climate change in the safest, most effective ways science can offer. UNESCO / [Continue reading](#)

### LARGEST ENVIRONMENTAL STUDY OF THE RED SEA COAST SETS NEW STANDARD



*Photo courtesy of Red Sea Global.  
An excerpt from an article by Dr Luis Silva.*

November 10 - As we find ourselves in one of the most decisive decades in global history when it comes to climate, planet, and environment, we are seeing the effects of economic expansion and overexploitation on our natural resources and habitats.

While many headlines focus on the more visible impacts, increasing portions of our oceans and marine environments are under enormous stress. The risk of long term and lasting effects is becoming more and more evident. However, we can and must do

better in analyzing and mitigating the impact of economic development on natural ecosystems below the waterline.

The Red Sea is one specific ecosystem that is close to my heart. It's an area of extraordinary natural beauty, an exceptionally diverse marine ecosystem, and home to threatened and endangered species, including hawksbill turtles and elusive dugongs. It's also still an area with thriving coral reefs.

At Red Sea Global (RSG) we've made it a priority not just to protect, but actively enhance these surroundings throughout the development of two of our tourism destinations. Over the next two decades, our destination THE RED SEA has committed to delivering a net conservation benefit of 30 percent to this precious ecosystem by implementing practices that promote the long-term wellbeing of its diverse flora and fauna. It's a goal that marks the destination out as one of the most ambitious regenerative tourism projects in the world. The Maritime Executive / [Learn more about the new environmental study](#)

Dr. Luis Silva is microbiology manager at Red Sea Global. He holds a PhD in microbial oceanography and ecology from the King Abdullah University of Science and Technology

## NEWS REPORTS FROM AROUND THE WORLD

### BRUNEI: DELEGATION OF BRUNEI DARUSSALAM MAKES VISIT TO IOPC FUNDS



November 8 - The Director was delighted to welcome representatives from the Maritime and Port Authority of Brunei Darussalam to the IOPC Funds' offices on 2 November 2022.

The Deputy Chief Executive, Mr Mohammed Bahreen bin Dato Haji Hamzah, had represented Brunei Darussalam, a 1992 Fund Member State, at the recent meeting of the IOPC Funds' governing bodies.

The Director shared recent developments and activities of the organisation and was pleased to learn about the delegation's plans to strengthen engagement with both the International Maritime Organization and the IOPC Funds as nationally the State looks to further develop its maritime industry. IOPC Funds / [Read more](#)

## CANADA ANNOUNCES SEMI-FINALISTS OF IMPACT CANADA OIL SPILL RESPONSE CHALLENGE

October 28 - Today, the Honourable Jonathan Wilkinson, Minister of Natural Resources, announced the 10 semi-finalists of the Impact Canada [Oil Spill Response Challenge](#), each receiving up to \$300,000 in funding to develop rapidly deployable oil spill response solutions.

Semi-finalists will have until summer 2023 to develop their prototypes to compete to become a challenge finalist. Up to five finalists will receive up to an additional \$1 million and move on to early stage demonstrations of their solutions. The grand prize winner will receive \$2 million, awarded for the best solution with the greatest net benefit to oil spill response in Canada.

Newswire Canada / [Read more, including the list of semi-finalists](#)

## CANADA: COAST GUARD OFFICIALLY DEDICATES CCGS MCINTYRE BAY INTO SERVICE

November 9 - Today the Canadian Coast Guard officially welcomed the Canadian Coast Guard Ship (CCGS) McIntyre Bay to its fleet during a dedication to service ceremony held at the harbourfront in Prince Rupert, British Columbia.

The new search and rescue lifeboats will contribute to Canada's blue economy in keeping our waters safe for mariners and supporting environmental response operations to reduce the impacts of marine pollution in our waters.

Canadian Coast Guard / [Read more](#)

## EGYPT: WELCOME MESSAGE FROM PRESIDENT ABDEL FATTAH EL-SISI



The hosting of COP27 in the green city of Sharm El-Sheikh this year marks the 30th anniversary of the adoption of the United Nations Framework Convention on Climate Change. In the thirty years since, the world has come a long way in the fight against climate change and its negative impacts on our planet; we are now able to better understand the science behind climate change, better assess its impacts, and better develop tools to address its causes and consequences.

Thirty years and twenty-six COPs later, we now have a much clearer understanding of the extent of the potential climate crisis and what needs to be done to address it effectively. The science is there and clearly shows the urgency with which we must act regarding rapidly reducing emissions of greenhouse gases, taking necessary steps to assist those in need of support to adapt to the negative impacts of climate change, and finding the appropriate formula that would ensure the availability of requisite means of implementation that are indispensable for developing countries in making their contributions to this global effort, especially in the midst of the successive international crises, including the ongoing food security crisis exacerbated by climate change, desertification and water scarcity, especially in Africa that suffers the most impacts.

COP 27 / [Read more](#)

## GHANA: CONFAB ON SPILLAGE PREPAREDNESS UNDERWAY IN ACCRA

November 9 - A conference on oil spillage preparedness and response on the continent is underway in Accra.

The four-day conference, the ninth in a series, is on the theme: "Oil spill response preparedness in West, Central and Southern Africa: GI WACAF project, 16 years of success."

It is being organised by the International Maritime Organisation (IMO) and Ipieca, a global oil and gas industry association for advancing environmental and social performance, in collaboration with the Environmental Protection Agency (EPA).

More than 20 delegates are expected to share experiences and good practices and identify priority areas to strengthen oil spill response preparedness and the need for support from the GI WACAF. [MyJoyOnline.com](#) / [Read more](#)



## GREECE: MARINE POLLUTION DRILL AS PART OF PPA'S SEA CONTINGENCY PLAN SUCCESSFULLY COMPLETED AT THE CENTRAL PASSENGER TERMINAL

November 10 - PPA S.A. as part of its Sea Contingency Plan carried out a Drill at the Central Passenger Port, near Gate E1, with the active participation of vessel "ARIADNI" of Attica Group.

The Drill scenario included the simulation of a fire incident inside the vessel "ARIADNI", causing sea pollution from an oil leakage. Market Screener / [Read more](#)

## INDIA: TWO-DAY POLLUTION RESPONSE EXERCISE CARRIED OUT OFF NEW MANGALORE PORT

November 4 - A two-day area level pollution response exercise, was conducted by the New Mangalore Port Authority in association with Indian Coast Guard, Mangalore Refinery and Petrochemicals Limited (MRPL) and other oil handling agencies off the New Mangalore Port here on Thursday, November 3.

In a communiqué, Coast Guard Karnataka said the exercise was to check and assess the modalities of undertaking pollution response operations and also gauge the efficiency and efficacy of oil handling agencies. The Hindu / [Read more](#)

## SERBIA: TRAINING COURSE HELD FOR PUBLIC WATER MANAGEMENT COMPANY 'SRBIJAVODE'



November 7 - On November 2nd and 3rd 2022, ATRAC held a training course "Operational implementation of response measures" in Republic of Serbia, city of Niš. The main objective of this training course was to improve preparedness and response capabilities in cases of accidental pollution on inland waters, which are increasing in recent times. The participants of this training course were members of a Public water management company "Srbijavode", and they were introduced to subjects of the negative impact of hydrocarbons on inland water ecosystems in case of accidental oil spills, their negative effect on human health, existing early detection strategies and interventions, as well as the effect of accidental oil spills on economy and environment.

ATRAC / [Read more](#)



## NEWS REPORTS FROM AROUND THE WORLD (CONTINUED)

### SINGAPORE: IOPC FUNDS - MEETING ON THE LESSONS LEARNED FROM THE TRIDENT STAR INCIDENT

November 9 - Deputy Director and Head of Claims Department, Liliana Monsalve, and Ana Cuesta, the Claims Manager responsible for the Trident Star incident, held a meeting in Singapore, on 8 November 2022, with the Shipowner's Club (the insurer of the ship) to review the handling of the case. The meeting provided an opportunity to review the lessons learned from the incident so that claims management procedures can be adapted, where appropriate, in future cases. IOPC Funds / [Read more](#)

### USA: LATEST NEWS REPORTS FROM NOAA OR&R

November 7 – Please click on the links below to download and read the latest news reports from NOAA OR&R

#### Responders Celebrate Successful Response, Partnerships in Final F/V Aleutian Isle Incident Debrief

The Office of Response and Restoration recently participated in the final of four multi-agency hotwashes to debrief the F/V Aleutian Isle sinking incident that occurred in the San Juan Islands in the state of Washington.

#### OR&R Spill Scientist Shares International Experience with Pacific Region Spill Responders

Two significant oil spills that occurred in the late 1980s—the [barge Nestucca](#), which spilled more than 230,000 gallons of No. 6 fuel oil into the Pacific Ocean near Grays Harbor, Washington, and the *Exxon Valdez* spill in Prince William Sound, Alaska—led to the formation of an oil spill task force in 1989 between Washington State and British Columbia.

#### NOAA Marine Debris Program Joins Sustainability Leaders on the Water to Discuss Microfiber Pollution

On Oct. 27, NOAA Marine Debris Program staff attended Materevolve's Textiles x Ocean Connector Sail Event in San Francisco Bay, California. The goal of the event was to bring sustainability leaders together to discuss important topics at the intersection of textiles and ocean.

#### OR&R Supports Training in U.S. Coast Guard District 9

For the first time in three years, U.S. Coast Guard District 9 held an Incident Management Team round-up training event in Camp Grayling, Michigan.

#### NOAA Engages Students with Hands-On Activities at X-STEM NOVA Conference

On Oct. 26, representatives from NOAA's National Ocean Service and the Marine Debris Program, within NOAA's Office of Response and Restoration, presented to more than 200 middle and high school students at a unique field trip opportunity in Washington D.C.

## PEOPLE IN THE NEWS

### IG P&I APPOINT NEW INTERNATIONAL GROUP CHAIR



November 8 - At the Annual General Meeting of the International Group of P&I Clubs held in Newcastle on 8 November 2022 the appointment of Andrew Cutler as the new Group Chair was approved. Andrew succeeds Paul Jennings who has held the post since 2018. The Group expressed its thanks to Paul for his service, in particular during the extremely challenging COVID-19 pandemic. During Paul's tenure in office the Group has continued to develop positively in many areas, which included the Group publishing its first sustainability report. Reflecting on some of the turbulence during his time in charge Paul Jennings commented:

"When I took office following Hugo Wynn Williams four years ago the world was a very different place. Not only have we had to endure COVID-19 but more recently to deal with the effects on global trade from ever expanding sanctions resulting from geopolitical tensions. Despite this the Group

system is collectively stronger today and has shown its resilience and continued relevance notwithstanding these external pressures in turn affording continued support for shipowners and other maritime stakeholders."

Andrew Cutler thanked the outgoing Chair and confirmed his commitment to ensuring the continuity and stability of the Group system. IG P&I / [Read more](#)

## 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](mailto:John.McMurtrie@spillcontrol.org)

## NEWS FROM ISCO MEMBERS (CONTINUED)

### NIGEL BENNETT OF AQUAGUARD'S APPEAL FOR SUPPORT OF HOMELESS YOUTH

See the article on Page 8 of last week's newsletter. Nigel has written to thank ISCO members who responded by sending donations. "Thank you so much ! - You have made a huge difference in the lives of so many at risk youth".

In case you were thinking of supporting his fundraising effort but haven't done so yet, it's not too late.

"Please help us do our small part to make sure the doors of Covenant House stay open for all those youth in need this winter. I thank you on behalf of all the homeless, at risk youth trying their best to get off the street and into a safe place".

CLICK THE "DONATE" BUTTON TO GIVE. <http://support.covenanthousebc.org/goto/NigelBennett>

## CASE HISTORY

### PROVIDING SUPPORT WITH A PORT HEALTH HAZARD

October 28 - NCEC received multiple calls from a port following a spill of the highly hazardous chemical toluene diisocyanate. Initially the harbour master called requesting advice on their current plan of action. Then a few minutes later, the ER received a further call from the Coastguard asking for similar advice. The tank had already been placed in an isolated area designed to store hazardous substances, and the Fire and Rescue service called to the scene.

Our emergency responder (ER) advised them on the hazards, noting the high toxicity, sensitisation risk, and danger to the aquatic environment. They also highlighted the chemical's reaction with water, which would produce carbon dioxide, potentially making the chemical airborne and more likely to affect people. As such, the ER advised on additional tactics to keep the product as dry as possible. Our ER further explained that anyone approaching the spill should be wearing full breathing apparatus and chemical resistant clothing. Finally, the options regarding safe remediation and disposal of the spilled material were discussed, supporting those on scene to safely mitigate the incident. NCEC / [Read more](#)

## 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/>

## TECHNICAL SUPPORT

### SPILL EMERGENCIES AND ANTI-POLLUTION MEASURES BY CHEMICAL TANKERS

Seagoing chemical tanker design and operational routines all aim at reducing the risk for environmental pollution. Nevertheless: accidents can happen or be caused by improper action by anyone involved on board, ashore or by other ships. Traditional thinking rules that the vessel and her cargo should be salvaged on the basis of the values they represent. With chemical and oil cargoes this is not necessarily true. It is more a matter of containing the cargo on board or by other means until the situation can be mastered with due regard to weather, shipping etc.

Spills of any size in port, due to over-fillings, hose breakage etc, should be reported to the Port Authorities at once. Keep in mind that water supplies, other water intakes local fishing, public amenities etc can be affected with enormous human and economical consequences unless immediate counteractions can be taken.

Chemical Tanker Solutions / [Download this free PDF with important guidance on actions that should be taken](#)

## 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.

### 197. Freshwater Sediment Toxicity Evaluation from Meso-Scale Spill Tests of Diluted Bitumen and Conventional Crude



Mehler, W.T., Xin, Q., Giacomini, M., Dettman, H.D., Goss, G.G.  
(2022) *Environmental Toxicology and Chemistry*, 41 (11), pp. 2797-2807.  
DOI: 10.1002/etc.5469

**ABSTRACT:** Oil and gas development and transportation in many areas of the world, such as the oil sands region of Alberta, Canada, are heavily monitored to minimize the environmental impacts of development and the risk of oil spills. However, oil spills to aquatic environments still occur. Although the science of oil spills has received considerable attention of late, uncertainty still remains in evaluating the fate and transport of oil spills as well as the effects of those spills on aquatic biota. Experiments using meso-scale spill tanks were used to examine the physical and chemical behavior of two types of oil, conventional crude (CC) and diluted bitumen (DB), under similar environmentally relevant scenarios (i.e., volume of spill, temperature, duration, wave action, and presence of river sediment). In addition, biological impact assessments via sediment toxicity testing collected from the oil spill tests were conducted. Sediments were evaluated for acute toxicity using three standard sediment test species: *Hyalella azteca*, *Lumbriculus variegatus*, and *Chironomus dilutus*. Sediments collected from the CC simulated spill showed a higher level of acute toxicity than sediments collected from spills with DB. Higher toxicity in the CC-contaminated sediment was supported by higher concentrations of low molecular weight polycyclic aromatic hydrocarbons (PAHs) when compared with the DB-contaminated sediment, while the remaining PAH profile was similar between the contaminated sediments. The use of a meso-scale spill tank in combination with sediment bioassays allowed for the evaluation of oil spills under controlled and environmentally relevant conditions (e.g., nearshore high sediment loading river), and in turn provides assessors with additional information to identify the appropriate mitigation and remediation efforts needed in the event of future spills.

### 198. The Zebrafish (*Danio rerio*) Embryo Model as a Tool to Assess Drinking Water Treatment Efficacy for Freshwater Impacted by Crude Oil Spill

Roy, M.A., Mohan, A., Karasik, Y., Tobiason, J.E., Reckhow, D.A., Timme-Laragy, A.R.  
(2022) *Environmental Toxicology and Chemistry*, 41 (11), pp. 2822-2834.  
DOI: 10.1002/etc.5472

**ABSTRACT:** Traditional approaches toward evaluating oil spill mitigation effectiveness in drinking water supplies using analytical chemistry can overlook residual hydrocarbons and treatment byproducts of unknown toxicity. Zebrafish (*Danio rerio*) were used to address this limitation by evaluating the reduction in toxicity to fish exposed to laboratory solutions of dissolved crude oil constituents treated with 3 mg/L ozone (O<sub>3</sub>) with or without a peroxone-based advanced oxidation process using 0.5 M H<sub>2</sub>O<sub>2</sub>/M O<sub>3</sub> or 1 M H<sub>2</sub>O<sub>2</sub>/M O<sub>3</sub>. Crude oil water mixtures (OWMs) were generated using three mixing protocols—orbital (OWM-Orb), rapid (OWM-Rap), and impeller (OWM-Imp) and contained dissolved total aromatic concentrations of 106–1019 µg/L. In a first experiment, embryos were exposed at 24 h post fertilization (hpf) to OWM-Orb or OWM-Rap diluted to 25%–50% of full-strength samples and in a second experiment, to untreated or treated OWM-Imp mixtures at 50% dilutions. Toxicity profiles included body length, pericardial area, and swim bladder inflation, and these varied depending on the OWM preparation, with OWM-Rap resulting in the most toxicity, followed by OWM-Imp and then OWM-Orb. Zebrafish exposed to a 50% dilution of OWM-Imp resulted in 6% shorter body length, 83% increased pericardial area, and no swim bladder inflation, but exposure to a 50% dilution of OWM-Imp treated with O<sub>3</sub> alone or with 0.5 M H<sub>2</sub>O<sub>2</sub>/M O<sub>3</sub> resulted in normal zebrafish development and average total aromatic destruction of 54%–57%. Additional aromatic removal occurred with O<sub>3</sub> + 1 M H<sub>2</sub>O<sub>2</sub>/M O<sub>3</sub> but without further attenuation of toxicity to zebrafish. This study demonstrates using zebrafish as an additional evaluation component for modeling the effectiveness of freshwater oil spill treatment methods.

### 199. Responses of Wild Finescale Dace (*Phoxinus neogaeus*) to Experimental Spills of Cold Lake Blend Diluted Bitumen at the International Institute for Sustainable Development-Experimental Lakes Area, Northwestern Ontario

Timlick, L., Dearnley, J., Blais, J.M., Rodríguez-Gil, J.L., Hanson, M., Hollebone, B.P., Orihel, D.M., Peters, L.E., Stoyanovich, S.S., Palace, V.P.  
(2022) *Environmental Toxicology and Chemistry*, 41 (11), pp. 2745-2757.  
DOI: 10.1002/etc.5457

**ABSTRACT:** Pipelines carrying diluted bitumen (dilbit) traverse North America and may result in dilbit release into sensitive freshwater ecosystems. To better understand the potential effects of a freshwater oil release, the Boreal-lake Oil Release Experiment by Additions to Limnocorrals project at the International Institute for Sustainable Development-Experimental Lakes Area (Ontario, Canada) modeled seven dilbit spills contained within a 10-m diameter of littoral limnocorrals in a boreal lake. Wild finescale dace (*Phoxinus neogaeus*) were released in the limnocorrals 21 days after oil addition and remained there for 70 days. Dilbit volumes covered a large range representing a regression of real spill sizes and total polycyclic aromatic compounds (TPAC) between 167 ng L<sup>-1</sup> day<sup>-1</sup> and 1989 ng L<sup>-1</sup> day<sup>-1</sup>. We report the effects of chronic exposure on reproductive potential as well as physiological responses in the gallbladder and liver. In exposures >1000 ng L<sup>-1</sup> day<sup>-1</sup>, there was a significant decrease in fish retrieval, culminating in zero recapture from the three highest treatments. Among the fish from the limnocorrals with lower levels of TPAC (<500 ng L<sup>-1</sup> day<sup>-1</sup>), effects were inconsistent. Gallbladder bile fluorescence for a naphthalene metabolite was significantly different in fish from the oil-exposed limnocorrals when compared to the lake and reference corral, indicating that fish in these lower exposures were interacting with dilbit-derived polycyclic aromatic compounds. There were no significant differences in condition factor, somatic indices, or hepatocyte volume indices. There were also no significant changes in the development of testes or ovaries of exposed dace. The

## RECENT INTERESTING PEER-REVIEWED OIL SPILL PUBLICATIONS (CONTINUED)

results from the present study may serve to orient policymakers and emergency responders to the range of TPAC exposures that may not significantly affect wild fish.

### 200. Petroleum pollution affects soil chemistry and reshapes the diversity and networks of microbial communities.

Li, Y., Li, C., Xin, Y., Huang, T., Liu, J.

(2022) *Ecotoxicology and Environmental Safety*, 246, art. no. 114129,

DOI: 10.1016/j.ecoenv.2022.114129

**ABSTRACT:** Soil is the bearing centre of terrestrial ecosystems. Oil pollution leads to changes in the physical and chemical properties of soil to varying degrees. Polluted soils form a unique microbial species composition, which provides rich materials for the bioremediation of oil-contaminated soil through biological enhancement. Understanding the microbial composition of petroleum-contaminated soil can provide a better biological method for soil remediation. Based on this, 16 S rRNA and ITS genetic markers were used to analyse the bacterial and fungal microbiota in petroleum-contaminated soil, and their physical and chemical properties (total organic carbon, alkaline hydrolysable nitrogen, total phosphorus, total potassium, available potassium, Cu, Zn, and Cd) were measured. It was found that petroleum pollution can significantly reduce the abundance and diversity of bacteria and fungi in the soil and significantly promote the relative abundance of Proteobacteria, Pseudomonas, Pseudoxanthomonas and Pseudoallescheria, which changed the dominant flora of bacteria and fungi and reshaped the co-occurrence network relationship between bacteria and fungi in oil-contaminated soil. The content of total organic carbon in petroleum-contaminated soil was significantly higher than that in uncontaminated soil, while the content of alkaline hydrolysable nitrogen and available potassium was significantly lower than that in uncontaminated soil, and the content of Cu significantly increased after pollution. Total organic carbon is the key driving factor that changes oil-contaminated soil microorganisms and plays a significant role in regulating the remodelling and composition of the microbial community in oil-contaminated soil. This study laid a solid theoretical foundation for the bioremediation of oil-contaminated soil.

### 201 Evidence of Rapid Functional Benthic Recovery Following the Deepwater Horizon Oil Spill

Guarinello, M.L., Sturdivant, S.K., Murphy, A.E., Brown, L., Godbold, J.A., Solan, M., Carey, D.A., Germano, J.D.

(2022) *ACS ES and T Water*, 2 (10), pp. 1760-1771.

DOI: 10.1021/acsestwater.2c00272

**ABSTRACT:** The 2010 Deepwater Horizon incident was a massive deep-sea oil spill and resulted in deposition of hydrocarbons at the seafloor surface. Soft sediment benthic macrofauna provide critical global ecosystem services, and little is known about their recovery trajectories from similar disturbances in the deep sea. Recent publications report an initial opportunistic benthic infaunal response and predict 50-100 years for recovery of species-level diversity, abundance, and composition. Sediment profile and plan view imaging data collected at depths from 1040 to 1689 m in 2011 and 2014 not only confirm this opportunistic response but also indicate further stages of functional benthic recovery. The recovery trajectory mimicked benthic succession following organic enrichment that is widely recorded in coastal systems but not the deep sea. Bioturbating taxa were present deep in the sediment column in both years. In 2014, a decline in the relative abundance of opportunistic taxa and a positive rebound in the apparent redox potential discontinuity depth, an integrated measure of biogeochemical functioning, were recorded. These results suggest that bioturbation-mediated microbial degradation is a plausible mechanism by which rapid functional benthic recovery occurred. With oil and gas extraction prevalent in the deep sea, improving the understanding of benthic recovery in these environments is critical.

## TRAINING COURSES

### USEFUL LINKS

- INTERNATIONAL – IMO E-LEARNING PLATFORM [e-learning platform](#)
- AUSTRALIA – AMOSC - <https://amosc.com.au/training/>
- AUSTRALIA & NEW ZEALAND – ALGA - <https://landandgroundwater.com>
- CHINA - <http://www.sioetc.com>
- EUROPE – EMSA Academy 2022. [Courses Catalogue](#)
- FRANCE - CEDRE - Click on these links [training catalogue](#) and [2022 calendar](#).
- UK & WORLDWIDE – OIL SPILL RESPONSE LTD. - <https://www.oilspillresponse.com/training/courses/>
- UK & WORLDWIDE – BRIGGS ENVIRONMENTAL SERVICES LTD. - <https://www.briggsmarine.com/services/training/>
- UK – NCEC HAZMAT ACADEMY – [More info](#)
- USA – TEXAS A&M UNIVERSITY – NATIONAL SPILL CONTROL SCHOOL <https://www.tamucc.edu/research/nscs/>
- USA – MPC, DETROIT - <https://marinepollutioncontrol.com/services/training-and-compliance>
- USA – ALLIANCE OF HAZARDOUS MATERIALS PROFESSIONALS - [https://www.ahmpnet.org/events/event\\_list.asp](https://www.ahmpnet.org/events/event_list.asp)

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

### TRAINING COURSE: CLASSIFICATION AND LABELLING OF CHEMICALS AND POISON CENTRE NOTIFICATIONS



## TRAINING COURSES (CONTINUED)

From Chemical Watch – “Our online training course, Classification and Labelling of Chemicals and Poison Centre Notifications, will be taking place on 2 December”. [More info](#)

### CERTIFICATE IN MARITIME ENVIRONMENTAL MANAGEMENT – LLOYD’S MARITIME ACADEMY

*Understand environmental issues and related management matters in the maritime sector*

Course commences 25<sup>th</sup> January 2023 | (VIP CODE: TT01)

Don’t delay enrolment! Applications received before the 2nd December will receive a 10% reduction in fees

[Click here for course content](#) | [Click here for Fee information](#) | [Click here to view course homepage](#)

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## 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](mailto:John.mcmurtrie@spillcontrol.org)

### NEWLY ADDED TO THE UPCOMING EVENTS PAGE

- Webinar: ExxonMobil Oil Spill Knowledge Transfer – “50 Years of Dispersants Development and (occasional) Use”. 6<sup>th</sup> December, 10.00 – 1115 am, Houston time.
- Webinar: Vapour Intrusion Mitigation, November 15, 2022
- Italy – Fight against Accidental Marine Pollution by Hydrocarbons, Rome, November 15, 2022
- India: Waste to Worth Conference, New Delhi, 30<sup>th</sup> November 2022
- UK: Seatrade Maritime Salvage & Wreck, London, 30<sup>th</sup> November – 1<sup>st</sup> December
- India: World Oil Spill Conference, New Delhi, 7<sup>th</sup> - 8<sup>th</sup> December, 2022

### RECENTLY ADDED TO THE UPCOMING EVENTS PAGE

- Malta: First Coordination Meeting on the Mediterranean Strategy for the Prevention of, Preparedness, and Response to Marine Pollution from Ships (2022-2031), Nov 29, 2022 to Dec 01, 2022
- Singapore – MEPSEAS Technology Conference, 15-17 November, 2022
- HalenHardy Webinar – Spill Preparedness at Multiple Sites, 16th November 2022
- UK: Hazmat 2023 Conference, 24-25 May 2023

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

## MESSAGES FROM EVENT ORGANISERS

### AUSTRALIA: ALGA GROUNDWATER FATE & TRANSPORT SYMPOSIUM

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

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

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

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

info: [TechWorkshop2023@wildlife.ca.gov](mailto:TechWorkshop2023@wildlife.ca.gov)

### 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. 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

## MESSAGES FROM EVENT ORGANISERS (CONTINUED)

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: 11-13 APRIL, 2023

Clean Waterway takes place at the Hilton Denver City Center Hotel in Denver, CO, on April 11-13. The [preliminary conference agenda](#) is now available for the 2023 CLEAN WATERWAYS Conference! A total of 12 sessions have been programmed by our [planning committee](#), which is made up of a group of operators, state and federal regulators, consultants, service companies and OSROs. They came together last month to create a program that ensures we deliver sessions covering the most pressing issues for spill prevention and response in the inland environment.. [More News re conference & abstract submission](#) [Registration](#) [Introduction to the Planning Committee](#) [EXHIBIT SPACE AND SPONSORSHIPS ARE AVAILABLE](#)

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

Spillcon 2023 has been confirmed for 11–15 September 2023 at the Brisbane Convention and Exhibition Centre, Queensland, 417 244 355, Email [spillcon@aip.com.au](mailto:spillcon@aip.com.au)

## CONTRACTS, TENDERS AND BUSINESS OPPORTUNITIES

### INTERNATIONAL OPEN TENDER NOTIFICATION SERVICE

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

### OTHER OPPORTUNITIES: USA & EUROPE

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

## LINKS FOR DOWNLOADING AND READING OTHER PUBLICATIONS

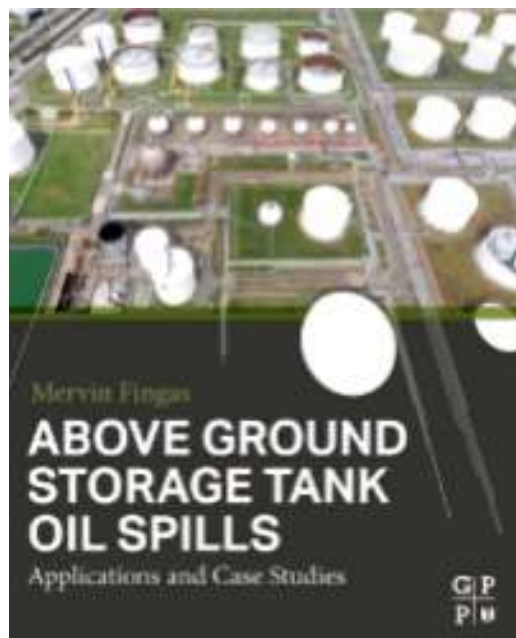
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As a service to its Members ISCO provides a listing of publications that may be of interest to our community. This page provides details and links for downloading more than 40 publications most of which can be accessed at no cost. ISCO depends on regular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

## NEW PUBLICATIONS

### A NEW BOOK ON ABOVE-GROUND STORAGE TANK OIL SPILLS.



Spills from above-ground storage tanks are among the most frequent spills around the world. This book focuses on this important source of spillage and prevention of such spills. Editor – Merv Fingas.

For more information on this book contact: <https://www.elsevier.com/books/above-ground-storage-tank-oil-spills/fingas/978-0-323-85728-4>

Contents:

- 1 Introduction
- 2 Assessment of oil storage tanks performance containing cracks and cavities - Kazem Reza Kashyzadeh 1, Mostafa Omid Bidgoli 2, Seyed Saeid Rahimian Koloor 3, Michal Petrů 3  
1 Department of Transport, Academy of Engineering, Peoples' Friendship University of Russia (RUDN University), 6 Miklukho-Maklaya Street, 117198 Moscow, Russian Federation. Department of Mechanical Engineering, Islamic Azad University, Badroud branch, 8764136545 Badroud, Isfahan, Iran. 3 Institute for Nanomaterials, Advanced Technologies and Innovation, Technical University of Liberec, Studentska 2, Liberec 461 17, Czech Republic.



## NEW PUBLICATIONS (CONTINUED)

3 Wind Effect on Tanks - Adriana Gomez - Department of Chemical Engineering, Universidad de los Andes, Bogotá, Colombia, Jean-Paul Pinelli, Florida Tech, Oscar J. Ramirez - Risk and process safety management, Bureau Veritas, Bogotá, Colombia and Ernesto Salzano\*, University of Bologna, Italy

4 Seismic Performance of Liquid Storage Tanks - Mehran S. Razzaghi - Department of Civil Engineering, Islamic Azad University, Qazvin, Iran.

5 Hurricane failures and assessment models - Sabarethinam.Kameshwar, Rice University, Houston

6 Tank Design - Zhan Liu - China University of Mining & Technology (CUMT)

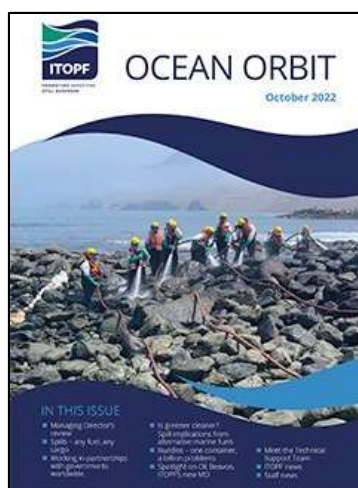
7 Buckling of oil storage tanks under nearby explosions and fire- Luis A. Godoy - Institute for Advanced Studies in Engineering and Technology, Science and Technology: Rossana C. Jaca, Professor, National University of Comahue, Neuquén, Argentina Research Council (CONICET) and Mariano P. Ameijeiras, Universidad Nacional de Córdoba, Argentina

8 The Ashland Oil Spill - John Joeckel - Seaconsult, Virginia

9. An overview of typical legislation governing the design, construction and operation of storage tanks - Merv Fingas, Spill Science, Edmonton

10 Canadian Storage Tank Risk Analysis - Merv Fingas, Spill Science, Edmonton

## NEW ISSUE OF OCEAN ORBIT JUST PUBLISHED



ITOPF has just published the latest issue of its newsletter, Ocean Orbit, providing an update on our news and activities over the last 18 months.

We highlight a number of recent incidents, share our experiences with nurdle pollution, and look at some of the implications of alternative fuels for spill responders.

We also hear from our new Managing Director, Oli Beavon, about his role and future plans; report on some of our work in partnership with governments worldwide; and provide an update on recent developments with training and shoreline surveying.

You can watch his interview here: <https://vimeo.com/766982352/84233d55a1>

Hard copies of Ocean Orbit are currently being sent to ITOPF Members and contacts, unless requested otherwise. If you would like to change your mailing preferences, please email us at [central@itopf.org](mailto:central@itopf.org).

## EMSA NEWSLETTER FOR NOVEMBER 2022

In this issue: EMSA holds its first workshop on alternative fuels and power solutions for shipping: together towards transition; Fire safety on board ro-ro ships:

LASHFIRE CFIS conference held at EMSA; 2nd Maritime cybersecurity conference: preparing maritime for emerging cybersecurity challenges; Interim guidance on maritime security for Member States' competent authorities; 11th CISE stakeholder group held at the European Commission's Joint Research Centre in Ispra, Italy;

Copernicus Maritime Surveillance user group held at EMSA; THETIS-MED: Mediterranean MoU 24<sup>th</sup> Port State Control meeting in Limassol, Cyprus;

Member State users of EMSA's enhanced maritime picture gather for hybrid meeting; Marine Equipment: 45th MarED Horizontal Committee meeting; Awareness session held for marine equipment manufacturers on the MED database; eTAG scanner added to latest features in recent upgrade to marine equipment mobile app. [Download the November EMSA Newsletter](#)

## AMSA UPDATE – November 2022

From the Australian Maritime Safety Authority - In this edition

- Safety alert – planned maintenance
- Focus on pollution prevention
- Requirements for the use of exhaust gas cleaning systems in Australian waters
- Geelong hosts emergency exercise
- September marine incident report
- Safety lessons from marine incident investigation

[Download the November 2022 issue of AMSA Update](#)

### UK: EXETER QUAY OIL SPILL AFTER SHIP SINKS

October 31 - A ship in Exeter Canal has sparked an oil spill in the Exeter Quay area after it sank overnight at the weekend. The spill has left a 'strong smell in the air'. Exeter Canal has been left polluted with oil on after an old fishing boat sank next to Gabriel's Wharf the night before. Images posted on social media show the boat mostly submerged in the water. Devon Live / [Read more](#)

### INDONESIA: US APPROVES SALVAGE OF SANCTIONED OIL TANKER AGROUND NEAR SINGAPORE



*Above - Indonesian Navy photo of the tanker Young Yong which ran aground near Singapore. Photo: Indonesian Navy*

**November 9** - The United States has allowed some transactions to take place with a sanctioned oil supertanker in effort to free the vessel currently stranded in Indonesian waters, the U.S. embassy in Singapore said on Wednesday. The Indonesian navy has been trying to free the Djibouti-registered ship, Young Yong, which ran aground off Indonesia's Riau Islands on Oct. 26 near a gas pipeline. gCaptain / [Read more](#)

**November 9** - The circumstances around the Djibouti-flagged tanker than ran aground in Indonesian waters near Singapore are growing increasingly complicated. Initial reports said that the vessel was carrying a cargo of crude from Malaysia to China, but days after the grounding, the U.S. Treasury Department blacklisted the vessel as part of a scheme linked to Iran. Now in a report first carried by Reuters, the NGO United Against Nuclear Iran (UANI) and TankerTrackers.com are reporting the vessel was transporting Venezuelan fuel oil supplied to Iran. The Maritime Executive / [Read more](#)

**November 10** – VLCC Refloated at around 0900 Singapore time Nov 10, under tow of 3 tugs, destination yet unclear, sailing in southern direction as of 1520 Singapore time. 2-3 offshore vessels and tugs remain at grounding site, understood checking gas pipeline. Maritime Bulletin / [Read more](#)

### CROATIA: POLLUTION IN URINJ – KOSTRENA AREA

November 10 - On the day of November 10th 2022, ATRAC was notified by a citizen of Rijeka that there was case of accidental marine pollution in Urinj – Kostrena area. After being notified, ATRAC's staff went to said location and evaluated the situation. The coastline of Kostrena was polluted over a 1.5km area by heavy fuel oil. In front of the shoreline there was still floating heavy fuel oil. ATRAC / [Read more](#)

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